



**Basins, Catchments and
Receiving Waters of the
Black Ross Water Quality
Improvement Plan Area**

Appendix C

Wetland Habitat Proforma

Wetland Habitat Proforma

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Bohle River Wetland Habitat Pro-forma

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|--|--|
| Wetland Type Classification (after Blackman <i>et al</i> 1992) | Simple wetland aggregation |
| Biogeographic Region | Brigalow Belt (North) |
| Ecological system/subsystem | Estuarine/Intertidal |
| Class/subclass | Streambed/Mud |
| Dominance Type | <i>Avicennia marina</i> |
| Water Regime | Regularly flooded |
| Water Chemistry | Mixohaline |
| Soil | Organice |
| Associated Vegetation | <i>Bruguiera</i> spp., <i>Cerriops tagal</i> |
| Size | Channel <20m |
| Management Issues | Streambank erosion, fishing pressure, exotics, access track. |
| Conservation Value | Low-Medium. |

Ross Creek Wetland Habitat Pro-forma

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|--|--|
| Wetland sample site No. | 7.15 Ross Creek - Townsville |
| Grid Reference No. | DU805698 |
| Wetland Type Classification (after Blackman <i>et al</i> 1992) | Simple wetland aggregation |
| Biogeographic Region | Brigalow Belt (North) |
| Land system | |
| Landform pattern/ element | |
| Ecological system/subsystem | Estuarine/Subtidal |
| Class/subclass | Consolidated Bottom/Mud |
| Dominance Type | <i>Avicennia marina</i> |
| Water Regime | Subtidal |
| Water Chemistry | Mixohaline |
| Soil | Organic |
| Special modifiers | Impounded |
| Associated Vegetation | <i>Sporobolus virginicus</i> , <i>Halosarcia indica</i> |
| Size | Channel ~30m |
| Management Issues | Stormwater, litter, recreational use |
| Conservation Value | Medium-High |
| Recommended action | 1 Control access to the creek to prevent erosion of banks and deposition of litter 2 Revegetation 3 Clean up and water quality and sediment monitoring program |

Ross River Wetland Habitat Pro-forma

| | |
|--|---------------------------------------|
| Wetland Type Classification (after Blackman <i>et al</i> 1992) | Simple wetland aggregation |
| Biogeographic Region | Brigalow Belt (North) |
| Ecological system/subsystem | Riverine/Intermittent |
| Class/subclass | Streambed/Sand |
| Dominance Type | <i>Urochloa mutica</i> |
| Water Regime | Seasonally flooded |
| Water Chemistry | Fresh |
| Soil | Mineral |
| Associated Vegetation | <i>Cyperus</i> spp. |
| Size | Channel ~20m |
| Management Issues | Potable water supply, grazing, weeds. |
| Conservation Value | Very high |

Toonpan Lagoon Wetland Habitat Pro-forma

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|--|--|
| Wetland Type Classification (after Blackman <i>et al</i> 1992) | Simple wetland aggregation |
| Biogeographic Region | Brigalow Belt (North) |
| Ecological system/subsystem | Palustrine |
| Class/subclass | Emergent/Persistent |
| Dominance Type | <i>Urochloa mutica</i> |
| Water Regime | Seasonally flooded |
| Water Chemistry | Fresh |
| Soil | Organic |
| Associated Vegetation | <i>Panicum maximum</i> , <i>Chloris</i> spp. |
| Management Issues | Grazing, weeds |
| Conservation Value | Low-Medium |

Antill Plains Creek Wetland Habitat Pro-forma

| | |
|--|--|
| Wetland Type Classification (after Blackman <i>et al</i> 1992) | Simple wetland aggregation |
| Biogeographic Region | Brigalow Belt (North) |
| Ecological system/subsystem | Riverine/Intermittent |
| Class/subclass | Streambed/Rubble |
| Dominance Type | <i>Callistemon viminalis</i> |
| Water Regime | Temporarily flooded |
| Water Chemistry | Fresh |
| Soil | Mineral |
| Associated Vegetation | <i>Lophostemon grandiflorus</i> , <i>Melaleuca leucadendra</i> . |
| Size | Channel ~>10m |
| Management Issues | Potable water supply, land tenure. |
| Conservation Value | Very high |

Sachs Creek Wetland Habitat Pro-forma

| | |
|--|--|
| Wetland Type Classification (after Blackman <i>et al</i> 1992) | Simple wetland aggregation |
| Biogeographic Region | Brigalow Belt (North) |
| Ecological system/subsystem | Riverine/Intermittent |
| Class/subclass | Aquatic bed/Floating leaved |
| Dominance Type | <i>Nymphaea gigantea</i> |
| Water Regime | Temporarily flooded |
| Water Chemistry | Fresh |
| Soil | Organic |
| Associated Vegetation | <i>Marsilea mutica</i> , <i>Ludwigia peploides</i> , <i>Vallisneria spiralis</i> , <i>Aponogeton queenslandica</i> . |
| Size | Channel ~10m |
| Management Issues | Potable water supply, semi rural subdivision, recreational use. |
| Conservation Value | High |

Stuart Creek Wetland Habitat Pro-forma

| | |
|--|---|
| Wetland Type Classification (after Blackman <i>et al</i> 1992) | Simple wetland aggregation |
| Biogeographic Region | Brigalow Belt (North) |
| Ecological system/subsystem | Riverine/Lower Perennial |
| Class/subclass | Emergent/Persistent |
| Dominance Type | <i>Urochloa mutica</i> |
| Water Regime | Permanently flooded |
| Water Chemistry | Fresh |
| Soil | Organic |
| Associated Vegetation | <i>Communis riccinus</i> , <i>Panicum maximum</i> |
| Size | Channel ~<20m |
| Management Issues | Exotics, stormwater contamination |
| Conservation Value | Low |

Sandfly Creek Wetland Habitat Pro-forma

| | |
|--|--|
| Wetland Type Classification (after Blackman <i>et al</i> 1992) | Simple wetland aggregation |
| Biogeographic Region | Brigalow Belt (North) |
| Ecological system/subsystem | Riverine/Tidal |
| Class/subclass | Streambed/Mud |
| Dominance Type | <i>Avicennia marina</i> |
| Water Regime | Regularly flooded |
| Water Chemistry | Mixohaline |
| Soil | Organic |
| Associated Vegetation | <i>Brugueira spp.</i> <i>Rhizophora spp.</i> |
| Size | Channel ~15m |
| Management Issues | Sewerage disposal |
| Conservation Value | High |

Alligator Creek Wetland Habitat Pro-forma

| | |
|--|--|
| Wetland Type Classification (after Blackman <i>et al</i> 1992) | Simple wetland aggregation |
| Biogeographic Region | Brigalow Belt (North) |
| Ecological system/subsystem | Riverine/Lower Perennial |
| Class/subclass | Unconsolidated bottom/sand |
| Dominance Type | <i>Urochloa mutica</i> |
| Water Regime | Intermittently exposed |
| Water Chemistry | Fresh |
| Soil | Mineral |
| Associated Vegetation | <i>Cyperus spp. Potamogeton crispus, Vallisneria spiralis.</i> |
| Size | Channel <5m |
| Management Issues | Agricultural runoff, recreational use, weeds |
| Conservation Value | High |

Horseshoe Bay Wetland Habitat Pro-forma

| | |
|--|---|
| Wetland Type Classification (after Blackman <i>et al</i> 1992) | Simple wetland aggregation |
| Biogeographic Region | Brigalow Belt (North) |
| Ecological system/subsystem | Palustrine |
| Class/subclass | 1. Forested/Evergreen 2. Emergent/ Non Persistent |
| Dominance Type | 1. <i>Melaleuca leucadendra</i> 2. <i>Eleocharis dulcis</i> |
| Water Regime | Seasonally flooded |
| Water Chemistry | Fresh |
| Soil | Organic |
| Associated Vegetation | <i>Urochloa mutica, Passiflora foetida.</i> |
| Size | 800x100m |
| Management Issues | Sewerage disposal, urban encroachment, exotics, fire. |
| Conservation Value | High |