

#### C W A C

### COORDINATED WATERBIRD COUNTS

(CWAC forms part of Wetland International’s African Waterbird Census Programme)

SITE DATA COLLECTION FORM

**Please return this form to: CWAC, Animal Demography Unit, University of Cape Town, Rondebosch, 7701. Or email to** **cwac@adu.org.za****. For assistance with filling in the form, please refer to CWAC Information Sheet number 8**

|  |  |
| --- | --- |
| **NAME OF SITE:**  | **SITE CODE:**  |
|

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Degrees-minutes-seconds** | or | **Decimal degrees** | or | **Deg. & decimal minutes** |  | **GPS setting** |
| **S** |  |  |  | ° |  |  | ’ |  |  | **.** | ” | **S** |  |  |  | **.** |  |  |  |  | ° | **S** |  |  |  | ° |  |  | **.** |  |  | ’ | **Cape datum Clarke 1880** |  |
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| **E** | **0** |  |  | ° |  |  | ’ |  |  | **.** | ” | **E** | **0** |  |  | **.** |  |  |  |  | ° | **E** | **0** |  |  | ° |  |  | **.** |  |  | ’ | **WGS-84 datum HBH94** |  |

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| **PROVINCE** *(underline applicable option)*

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| LP | MP | GP | NW | FS | KN | EC | NC | WC |

 | **DATE OF SURVEY:**  |
| **ADU OBSERVER CODE**:  |
| **NEAREST TOWN**:  | **COMPILERS DETAILS** *(name, address, telephone, email etc.):*  |
| **CONSERVATION MEASURES SURROUNDING THE SITE / WETLAND** *(underline applicable option)***Conservation status:** 1 – Protected 2 – Partially protected 3 – Unprotected 4 - Unknown**Site / Management status** *(underline applicable option or add additional)*

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| --- | --- | --- |
| * Part of a National Park
 | * Private Land
 |  |
| * Part of a Provincial Reserve
 | * State Land
 |  |
| * Part of a Local / Municipal Reserve
 | * Municipal Land
 |  |
| * Part of a Private Reserve
 | * Mining Property
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| * Registered Conservancy
 |  |  |

**Name of protected area / farm / private land etc:** **Current land use surrounding site** *(e.g. agriculture, grazing, hunting, urban – indicate dominant type):* **Ownership / Management of site** *(name, email and telephone number):* **Is it a Ramsar site** *(name):* **Is it within an Important Bird Area** *(name):*  |
| **WETLAND / SITE CLASSIFICATION** *(underline the relevant options and indicate the % make-up of each)*

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| --- | --- | --- | --- |
| **Wetland classification** | **(%)** | **Wetland classification** | **(%)** |
| **Marine / Coastal Wetlands** |  | Seasonal rivers / streams (inc. waterfalls) |  |
| Permanent shallow marine waters (<6m at low tide) |  | Permanent freshwater lakes (>8ha) (inc. oxbow lakes) |  |
| Rocky marine shores (inc. cliffs and offshore islands) |  | Seasonal freshwater lakes (>8ha) (inc. floodplain lakes) |  |
| Sandy or pebble shores (inc. sand banks and dunes) |  | Permanent freshwater marshes (<8ha) (inc. swamps) |  |
| Estuarine waters (permanent water of est. systems) |  | Seasonal freshwater marshes (<8ha) (inc. vlei’s) |  |
| River mouth |  | Permanent brackish / saline / alkaline lakes |  |
| Intertidal mud, sand or salt flats |  | Seasonal brackish / saline / alkaline lakes (inc. flats) |  |
| Intertidal marshes (inc. salt, brakish and freshwater) |  | Permanent brackish / saline marshes (inc. pans and pools) |  |
| Intertidal forested wetlands (inc. mangrove swamps) |  | Seasonal brackish / saline marshes (inc. pans and pools) |  |
| Coastal brackish / saline lagoons |  | Freshwater shrub-dominated wetland |  |
| Coastal freshwater lagoons |  | Freshwater tree-dominated wetland (inc. swamp forest) |  |
| **Inland Wetlands** |  | Freshwater springs and oases |  |
| Permanent rivers / streams (inc. waterfalls) |  |  |  |

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| **Wetland classification** | **(%)** | **Wetland classification** | **(%)** |
| **Artificial Wetlands** |  | Salt mining sites (inc. pans and evaporation dams) |  |
| Aquaculture ponds |  | Wastewater treatment areas |  |
| Farm dams (generally <8ha) |  | Water storage areas (impoundments generally >8ha) |  |
| Irrigated agricultural fields |  | Excavations (inc. quarries, pits and mining dams)  |  |
| Seasonally flooded agricultural land |  | Canals and drainage channels (inc. ditches) |  |

If this particular count section forms part of a greater wetland system, please indicate the appropriate wetland classification that would best describe the wetland as a whole *(choose from the list above and indicate it here):*  |
| **HABITAT / WETLAND COMPOSITION** *(indicate % coverage and underline applicable options or include additional)*

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| --- | --- | --- |
| **Vegetation level** | **% Coverage** | **Species / Structure if known** |
| Submerged vegetation |  | Pond weed | Sedges | Kelp |  |  |
| Floating vegetation |  | Water lilies | Water hyacinth | Kariba weed | Red water fern | Parrot’s feather |
| Water lettuce | Watercress | Algae | Kelp |  |
| Emergent vegetation*(immediate vicinity of wetland <50m)* |  | Common reed | Typha | Palmiet | Sedges | Restios |
| Grasses | Shrubs | Trees |  |  |
| Surrounding vegetation *(greater area surrounding wetland>50m)* |  | Grasses | Shrubs | Trees | Fynbos | Grassland |
| Karoo | Savanna | Bushveld | Thicket | Forest |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Dominant substrate type** | Bedrock | Boulders | Cobbles | Gravel | Sand |
| Mud | Clay | Detritus | Peat |  |
| **Acidity** | Acid (pH <6) | Neutral (pH 6 – 8) | Alkaline (pH >8) |
| **Salinity** | Fresh (<0%o) | Brak (0 to <3 %o) | Saline (3 to <20 %o) | Hyper saline (>20 %o) |
| **Approximate size** | <1 ha | 1 – 10 ha | 10 – 20 ha | 20 – 100 ha | >100 ha |
| **Approximate maximum depth** | 0 – 0.5m | 0.5 – 1m | 1 – 2m | >2m |
| **Site / wetland context** | Single, discrete wetland | Part of a mosaic of wetlands |
| **App. length / width in case of a river** | Length *(km)* =  | Width *(m)* =  |

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| **THREATENING FACTORS** *(underline the applicable options or include additional. Please also indicate the severity level of the threat by indicating either with 1 = Mild, 2 = Important, 3 = Severe and 4 = Critical )*

|  |  |  |  |
| --- | --- | --- | --- |
| **Threatening Factor** | **Sev. Level** | **Threatening Factor** | **Sev. Level** |
| Sedimentation |  | Wetland reclamation / infilling |  |
| Eutrophication |  | Wetland modification / alteration |  |
| Erosion |  | Infrastructure development (e.g. roads and bridges) |  |
| Floating alien vegetation |  | Water abstraction |  |
| Emergent alien vegetation |  | Dam / barrage / weir construction |  |
| Surrounding alien vegetation |  | Tourism / recreation |  |
| Reed encroachment |  | Residential / urban development |  |
| Alien animals – fish |  | Industrial and associated development |  |
| Alien animals – birds |  | Mining and associated development |  |
| Cutting / Clearing surrounding vegetation |  | Informal settlement encroachment |  |
| Over harvesting of surrounding vegetation |  | Power lines |  |
| Agriculture – crops |  | Fire / burning |  |
| Agriculture – irrigation |  | Pollution by domestic sewage |  |
| Agriculture – livestock |  | Pollution by solid waste (inc. dumping and litter) |  |
| Nature conservation – excessive game numbers |  | Pollution by fertilizers and pesticides |  |
| Afforestation |  | Pollution by oils (inc. fuels) |  |
| Hunting |  | Pollution as a result of mining activities |  |
| Trapping / Poaching |  | Pollution as a result of mining activities |  |
| Aquaculture |  |  |  |
| Fishing operations (including subsistence) |  |  |  |

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| **BRIEF DESCRIPTION OF THE SITE** *(in a textual format, please describe the site to the best of your ability in terms of all the above factors – location, conservation status, classification, habitat composition and threats):*  |