

#### 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**](mailto:cwac@adu.org.za)**. For assistance with filling in the form, please refer to CWAC Information Sheet number 8**

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| --- | --- | --- |
| **NAME OF SITE:** | | **SITE CODE:** |
| |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | **Degrees-minutes-seconds** | | | | | | | | | | | or | **Decimal degrees** | | | | | | | | | or | **Deg. & decimal minutes** | | | | | | | | | |  | **GPS setting** | | | | | | | | | | **S** |  |  |  | ° |  |  | ’ |  |  | **.** | ” | **S** |  |  |  | **.** |  |  |  |  | ° | **S** |  |  |  | ° |  |  | **.** |  |  | ’ | **Cape datum Clarke 1880** | | | | | | | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | **E** | **0** |  |  | ° |  |  | ’ |  |  | **.** | ” | **E** | **0** |  |  | **.** |  |  |  |  | ° | **E** | **0** |  |  | ° |  |  | **.** |  |  | ’ | **WGS-84 datum HBH94** | | | | | | | |  | | | |
| **PROVINCE** *(underline applicable option)*   |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | | 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)*   |  |  |  | | --- | --- | --- | | * 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 |  | | * 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)*   |  |  |  |  | | --- | --- | --- | --- | | **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) |  |  |  | | | |
| |  |  |  |  | | --- | --- | --- | --- | | **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)*   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | **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)* = | | | | | | | |
| **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) |  |  |  | | | |
| **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):* | | |