

## Avian Demography Unit

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# COORDINATED WATERBIRD COUNTS (CWAC)

**NEWSLETTER 27**

**January 2007**

## Dear CWACers

The New Year has started with a bang! I have already received the first summer counts from a couple of very enthusiastic counters up country – Gauteng and Mpumalanga to be exact!

May this year be a landmark year for all of us. Whatever you plan to achieve this year, and I hope there are some waterbird counts in there, I trust that you will succeed. All the best for 2007!

### CWAC growth – the past five years

So how has the CWAC project been doing the last five years? Many people will argue that it has been performing well. Others will argue the opposite. My opinion, given the constraints of time and money within the ADU, is that we have made progress.

I have collated some figures to indicate how the project has grown over the past five years. When we talk about growth, we can not simply look at the number of new sites that are being added every season. We have to look at what percentage of the total number of sites is being surveyed on a regular basis. For this reason I have indicated these figures in Table 1 and 2.

*If you would like to give exposure to a particular waterbird species, or have a point of concern and you would like to raise it through the CWAC newsletter, please contact me.*

Table 1: Breakdown of CWAC sites surveyed on a regular basis during the past five summer seasons.

Season	Total No of registered sites	No of Sites surveyed	(%) Surveyed
Summer 2002	400	289	72
Summer 2003	446	317	71
Summer 2004	486	340	70
Summer 2005	510	379	74
Summer 2006	554	387	70

Table 2: Breakdown of CWAC sites surveyed on a regular basis during the past five winter seasons.

Season	Total No of registered sites	No of Sites surveyed	(%) Surveyed
Winter 2002	431	260	60
Winter 2003	460	307	67
Winter 2004	501	343	68
Winter 2005	548	379	69
Winter 2006	573	377 (est.)	66 (est.)

The results indicate that there has been a gradual increase in the number of registered sites during the past five years. At the start of 2002 we had 400 sites, whereas now we have a total of 573 registered sites. New sites are being added on a regular basis as more people participate in the project, and additional sites are being counted by existing participants.

Of more importance however is the percentage of these sites that are being surveyed on a regular basis. The results are positive with the summer counts being consistently counted above 70% (Table 1). Winter counts are slightly lower, but seem steady at above 65% (Table 2).

This is good news as it means that we are continuing to count a good sample of CWAC sites on a regular basis, and not losing older registered sites at the expense of newly registered ones. This is crucial for determining long-term waterbird trends at wetlands and being one of the aims of the CWAC project, it is important that we continue this trend.

On this note I urge participants to rather continue your counts at current CWAC sites as opposed to dropping these and registering new sites. For this reason it is also vitally important that we try and continue counts at wetlands for as long as possible. If you have to discontinue counts at a wetland, for what ever reason, try and get other people or co-counters to take over these counts.

Lastly, over the past 14 years, many people have participated in the CWAC project. We have a total of 278 observers that have participated, with a further 1 678 volunteers. That amounts to a total of 1 956 people! We at the ADU appreciate the efforts of every single one of you!



## **CWAC – What are we planning for 2007/2008**

Recently, the ADU has teamed up with the South African National Biodiversity Institute (SANBI). Our aim is to expand and promote various bird monitoring projects, including the Coordinated Waterbird Counts Project. CWAC is one of only a few long-term datasets that contains immensely valuable information on South African birds, in this case, waterbirds.

The conservation of waterbirds and their associated habitats are constantly being threatened worldwide and in particular a country such as South Africa, where human needs far exceed the needs of conservation. Furthermore, climate change is already having an impact on

various bird species on a global scale. One can expect that the effects on wetlands and their associated plants and animals could be quite severe, especially in our southern African region.

How then do we hope to protect these natural resources? We believe that a small part of the solution lies in making data available. This would enable stakeholders across various industries to be more informed about the conservation significance of wetlands, and what role these systems play in supporting ecosystems. Furthermore, the CWAC data is to be used to supplement state of the environment and biodiversity reports as well as provide guidance towards national policy formulation.

For a long time now, the CWAC project has been collecting waterbird data from all over South Africa. There is a great demand for this information to be made available to the public, but in order to achieve this requires time and money. As mentioned, SANBI and the ADU have teamed up and we plan to work on these particular issues during 2007/2008.

As many of you might know, the Birds in Reserves Project (BIRP) had a new website launched a few months ago. This website provides functionality to participants, and more importantly allows access to valuable BIRP and SABAP data. Over the next few months we plan to develop that website into an important “bird” portal, by adding other ADU projects to it, including the CWAC project.

We aim to provide CWAC participants with basic functionality on the site. This may include information such as observer summaries, census forms, information sheets, as well as the ability to submit data electronically. The website would also host basic site and species summaries.

We are not yet sure to what degree of detail we would make information available on the website as this is still very much in the planning phase. As indicated however, the aim is to host some information that would benefit the conservation of these sites, and ultimately the waterbirds associated with them. If there is anybody that has suggestions or concerns on these issues, please feel free to discuss them with me. The ADU would be glad to have your inputs on these developments.

## Collection of additional site information

It is becoming increasingly important to collect additional information pertaining to the wetlands that are surveyed as part of the CWAC programme. This information could be useful for various reasons. Examples may include the better understanding of past, present and future threats to a wetland, the highlighting of these problems to conservation authorities, knowing the type of wetland, and whether a wetland is protected or not - and to what degree. Information such as this will help anybody studying these systems, including the waterbirds associated with these, to have a better understand of how these systems function within the bigger ecological picture.

Furthermore, basic wetland information can also assist other wetland monitoring projects such as the River Health Programme and the South African National Wetland Inventory Programme, including various others, to reach their goals. It is crucial that our conservation efforts are shared amongst different stakeholders – ultimately trying to achieve the same goal of conserving these natural wonders.

Seen in this light, the CWAC programme aims to start collecting additional site information in the near future. The process would basically entail filling in a site description form for each wetland and returning it to the ADU. We will then capture this information into the main CWAC database. The possibility also exists that we may be able to capture this kind of information via the newly proposed website. This would certainly be of benefit.

Currently we need to catch up with all the wetlands that are registered. For future, any new site would require a site description form upon registration. I urge compilers to help out with this valuable exercise where possible. We desperately depend on your accurate input to make this work. In due course, I will be in contact with compilers with regards to the above matter.

## SASOL Vaaldam Big Bird-Count

This year SASOL is sponsoring the Vaaldam CWAC count for the 4<sup>th</sup> consecutive year!

BirdLife Vaaldam is once again hosting this event on the weekend of the 20 & 21<sup>st</sup> of January 2007. Our sincere gratitude to SASOL for their continued support in making this count possible.



During the January survey last year a huge number of birds were counted at the Vaaldam. In fact, the total of 97 363 birds counted during that survey has been the highest number of birds counted at any wetland on record within the CWAC database. Of interest however, the bulk of this figure was made up of Black-winged Pratincoles. An astonishing 76 500 of them!

Not much is known about the demography of this species primarily because they are highly nomadic birds. Their movements are erratic and during the northern hemispheres winter, they move down into southern Africa. They may be scattered anywhere where conditions are favourable for them. During our summer they can generally be found around the Okavango delta system, but sometimes they come down as far south as the grasslands of Gauteng, Free State and Mpumalanga.

Population estimates vary dramatically with the latest figures according to Wetlands International 2006 estimated between 29 000 and 45 000 birds in total; with numbers declining steeply. As the above figures show, there is dispute as to how many birds actually exist. European estimates are mainly based on birds counted during their breeding season and are usually much lower than the numbers we sometimes encounter in southern Africa. The number of birds counted during the 2006 Vaaldam count is proof of this.

The Black-winged Pratincole numbers recorded last year at the Vaaldam has again sparked new interest in trying to solve the population puzzle. At this very moment, researchers in Kazakhstan and South Africa are using these figures to come up with new answers. In fact, they have already asked for any new figures collected during January and February of this year to be sent to them as soon as possible.

We all wait in anticipation to see whether or not the Vaaldam will once again produce a “Big Bird Count” this year. Chances are the Black-winged

Pratincoles won't be there again – but then, these birds might just be around your local wetland. Keep a special eye open for them.

### Thank You!

A special word of thanks to all the compilers, counters and the numerous other volunteers and organisations that contribute towards CWAC. Your continued support is vital for the success of this project. May you experience many hours of happy birding in doing so.



Department of Agriculture,  
Conservation and Environment

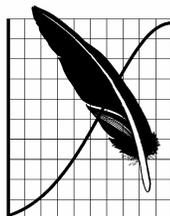
### Summer 2007 count

A reminder to everybody that the summer 2007 CWAC count is upon us. The count can take place on any day between mid-January and mid-February with the preferred dates being the last weekend of January.

### Winter 2007 count

The winter count can take place on any day during the month of July. The preferred dates are the 14, 15 and 16<sup>th</sup> of July or as close as possible to those dates. If further information is required, please feel free to contact your regional organiser or myself. I wish all a very good and joyful count, and please take care!

*Marius Wheeler*  
*CWAC Coordinator*



## Winter 2006 CWAC COUNT

Entries in *italics* indicate either a new compiler or a new site.

Sites are alphabetically arranged according to compiler.

Northern Cape results not yet available

Sites not listed were either not counted, discontinued or results still need to be submitted.



Eastern Cape	Site Code	Compiler	Count
Malanskraal Dam	32442607	Bo Bonnevie	279
Mondplaas Ponds	33572458	Chuck Cook	1188
Seekoei River Estuary	34052454	Chuck Cook	446
Gamtoos River (False Mouth)	33582505	Chuck Cook	758
Gamtoos River: Mouth - 6km upstream	33582502	Chuck Cook	749
Kabeljous River Estuary	34002456	Chuck Cook	650
Krom River Mouth	34082450	Chuck Cook	545
Mthatha Dam	31302842	Emile Plumstead	653
Keiskamma River Estuary	33172729	Gertie Griffith	263
Ncqweba Dam	32132432	Judy Caryer	179
Ghio Pans	33382634	Laurie Wood	81
Bushmans River: Mouth - Ghio Bridge	33402635	Laurie Wood	215
Cape Recife Reclamation Works	34012541	Paul Martin	127
Perseverance Vleis	33502532	Paul Martin	77
PE Power Station Pans	33522536	Paul Martin	902
Bar None Saltpan	33502533	Paul Martin	228
Redhouse Saltpan	33502535	Paul Martin	871
Chatty Saltpans	33512535	Paul Martin	1362
Zwartkops River Estuary	33522538	Paul Martin	2652
Tyolomnqa River Estuary	33112735	Sue Goldswain	140
Kowie River Estuary	33352653	Tony Tree	95
Great Fish River Estuary	33292707	Tony Tree	217
Riet River Bay (Three Sisters-Riet Point)	33332701	Tony Tree	204
<b>Total</b>			<b>12881</b>

Gauteng	Site Code	Compiler	Count
Groenfontein Pan	25562844	Andre Marx	82
Rooival Sewage Works	25342814	Andre van der Walt	2390

Bonaero Park Pan	26072816	Andy McLetchie	4611
Korsman Bird Sanctuary	26112818	Andy McLetchie	566
Rietspruit (Rooikraal)	26202817	Andy McLetchie	80
Parkhaven Pan - North	26082816	Andy McLetchie	313
Birch Acres Pan	26042813	Andy McLetchie	614
Lakefield Pan	26112817	Andy McLetchie	566
<i>Lake Heritage</i>	<i>25572751</i>	<i>Bo van der Lecq</i>	<i>411</i>
Varkfontein Pans	26032822	Craig Whittington-Jones	6
Rondebult Bird Sanctuary	26182812	Craig Whittington-Jones	534
Bullfrog Pan	26082819	Craig Whittington-Jones	633
Steward's Pan	26122817	Craig Whittington-Jones	2083
Blaauwpan	26072815	Craig Whittington-Jones	293
De Pan	26132726	Craig Whittington-Jones	1095
Moorivier Loop 2 (Abe Bailey NR)	26212716	Craig Whittington-Jones	150
Moorivier Loop 3 (Abe Bailey NR)	26212715	Craig Whittington-Jones	294
Apex Pan	26132820	Craig Whittington-Jones	706
Leeupan	26142819	Craig Whittington-Jones	538
Rodeplaat Dam	25382821	Craig Whittington-Jones	1871
Rietvlei & Marais Dams	25532817	Craig Whittington-Jones	1468
<i>Riebeeck Lake</i>	<i>26102741</i>	<i>Craig Whittington-Jones</i>	<i>46</i>
<i>Palmietfontein Dams</i>	<i>26242846</i>	<i>Craig Whittington-Jones</i>	<i>81</i>
<i>Devon Dam</i>	<i>26222847</i>	<i>Craig Whittington-Jones</i>	<i>40</i>
<i>Leeukuil Dam</i>	<i>26412753</i>	<i>Craig Whittington-Jones</i>	<i>2500</i>
<i>Siamese Dams</i>	<i>26292840</i>	<i>Craig Whittington-Jones</i>	<i>282</i>
Con Joubert Bird Sanctuary	26112741	Craig Whittington-Jones	1663
Rolfe's Pan	26102813	Koos van Dyk	174
Elandsvlei 414	25592827	Koos van Dyk	651
<i>Leeuwfontein Drainage</i>	<i>25202830</i>	<i>Leon Labuschagne</i>	<i>20</i>
Moorivier Loop 1 (Abe Bailey NR)	26192720	Lynn Randell	594
Glen Austin Pan Bird Sanctuary	25582810	Mike Pope	5

Beaulieu Bird Sanctuary	25582804	Mike Pope	220
Sand Pan	26072819	Peter Huggins	72
Bon Accord Dam	25372811	Sean West	976
Cowles Dam	26132828	Stan Madden	117
Grootvaly Wetland Reserve	26142829	Stan Madden	277
Grootvaly on Blesbok	26162830	Stan Madden	229
Anglo's Reserve	26182830	Stan Madden	399
Marievale Bird Sanctuary - Area A	26212830	Stan Madden	868
Marievale Bird Sanctuary - Area B	26212831	Stan Madden	687
Stan Madden Bird Sanctuary	26242828	Stan Madden	115
Diepsloot Nature Reserve	25572800	Sven Carlsson-Smith	921
Bronkhorstspuit Dam	25542842	Pauline Leinberger	850
<b>Total</b>			<b>31091</b>

Kwazulu-Natal	Site Code	Compiler	Count
Blood River Vlei (Central)	27503035	A.P. Keeve	2965
Nhlonhlela Pan	27363212	Beka Nxele	0
nTshanetshe Pan	27403226	Beka Nxele	0
iDiza Pan	27363217	Beka Nxele	0
Neshe Pan	27393224	Beka Nxele	75
Nsumo Pan	27403219	Beka Nxele	649
Yengweni Pan	27393226	Beka Nxele	0
Muzi Pan	27243237	Caroline Fox	1563
Vasi Pan	27123242	Caroline Fox	0
Kudu Pan	28273246	Caroline Fox	2
Lake Mfututulu	28253215	Caroline Fox	126
Two Pans Pan	28263217	Caroline Fox	15
St Lucia Sewage Works	28233225	Caroline Fox	67
Lake Eteza	28213209	Caroline Fox	264
Cape Vidal to Sodwana Bay	27523236	Caroline Fox	435
Sodwana Sewage Works	27333239	Caroline Fox	31
Mfazana Pan	28153228	Caroline Fox	26
Mavuya Pan	28303212	Caroline Fox	129
Mfolozi Estuary	28243225	Caroline Fox	315
Ozabeni East Pan	27413236	Caroline Fox	0
Lake Bhangazi North	27393238	Caroline Fox	53
Lake Bhangazi South	28133253	Caroline Fox	21
Lake St Lucia	28043227	Caroline Fox	5794
Ngutshana Pan	27213257	Caroline Fox	54
Mfula Pan	27373233	Caroline Fox	0
Mhlazi Pan	27363238	Caroline Fox	0
Ndlebeni Pan	27423237	Caroline Fox	0
Lake Sibaya	27213240	Caroline Fox	1157
Mngoboseleni Lake	27343239	Caroline Fox	2
Ndumo Game Reserve: Shokwe Pan	26533213	Catherine Hanekom	110
Ndumo Game Reserve: Banzi Pan	26523217	Catherine Hanekom	247
Ndumo Game Reserve: Nyamithi Pan	26533218	Catherine Hanekom	502
Lenjane Wetland	27533101	Darryl Baxter	299
Albert Falls Dam: Route 2	29253024	Evelyn Hughes	346
Mtunzini Prawn Hatchery	28573146	Frank Rautenbach	39
Mlalazi River Estuary	28573147	Frank Rautenbach	83
Dieu Donne Farm Dam	29292941	John Crowson	142
Waterford Farm Dams	29512919	John Crowson	540
Reichenau Mission Dam	29482938	John Crowson	164
Harding Dam	30342952	Keith Roach	288
Klipfontein Bird Sanctuary	27483048	Paul Steffensen	293
Zolwane Estuary	31043012	Richard Dobson	8
Sandlundlu Estuary	31023013	Richard Dobson	25
Ku-boboyi Estuary	31023014	Richard Dobson	9
Tongazi Estuary	31003015	Richard Dobson	17
Kandandiovu Estuary	30593016	Richard Dobson	38
Mbizana Estuary	30543020	Richard Dobson	17
Mvutshini Estuary	30533020	Richard Dobson	3
Kaba Estuary	30563019	Richard Dobson	13
Umhlangankulu Estuary	30563017	Richard Dobson	20
San Lameer Estate	30523020	Richard Dobson	71
Trafalgar Marine Reserve	30573017	Richard Dobson	69
Mtamvuna Estuary	31043011	Richard Dobson	35
Mpenjati Estuary	30563018	Richard Dobson	253
Munster Sewage Works	31003014	Richard Dobson	22
Caribbean Estate	31033011	Richard Dobson	45
Nicholson Farm Dam	30593015	Richard Dobson	29
Kosi Bay Lake System	26583250	Robert Kyle	454
Ku Shengeza Pan	27023247	Robert Kyle	24
Lake Zilonde	26523252	Robert Kyle	23
Ku Mzingwane Pan	27033247	Robert Kyle	0
Goedetrouw Dam	28463124	Sharon Louw	126
Albert Falls Dam: Route 1	29263024	Shirley Bennett	320

Midmar Dam (Reserve only)	29313011	Shirley Bennett	161
Umvoti River Estuary	29233121	Shirley Jex	246
Durban Bayhead	29533101	Roy Cowgill	39
Umgeni River Estuary	29493102	Steve Davis	528
Northern Treatment Works	29483100	Steve Davis	1405
<b>Total</b>			<b>20796</b>

Western Cape	Site Code	Compiler	Count
Theewaterskloof Dam	34021913	Andre du Toit	880
Cilmor Winery	33441929	Andre du Toit	135
Zandvlei - Marina da Gama	34061829	Angus Hemp	997
Gouritz River: Mouth-Low-water bridge	34212153	Arne Purves	265
Bitou River	34012323	Brian Denman	289
Keurbooms River Estuary	34022324	Brian Denman	1314
Zandvlei - Westlake Wetlands	34071827	Brian Herman	62
Zandvlei - Upper Estuary	34061828	Brian Herman	595
Zandvlei - Lower Estuary	34071828	Brian Herman	570
Langebaan: ChurchHaven - Windmill	33111805	David Swanepoel	598
Strandfontein Sewage Works-North	34041831	Dick Barnes	1649
Strandfontein Sewage Works-Southeast	34061832	Dick Barnes	2180
Strandfontein Sewage Works-Southwest	34061831	Dick Barnes	1584
Strandfontein Sewage Works-Central	34051830	Dick Barnes	1803
Edith Stephens Wetland Park - Seasonal vlei	34011832	Doug Harebottle	64
Edith Stephens Wetland Park - Flood retention Dam	34011831	Doug Harebottle	93
Edith Stephens Wetland Park - Isotes Vlei	34001832	Doug Harebottle	18
Berg 5: De Plaats	32481812	Doug Harebottle	2110
Berg 11: Doornfontein Floodplain	32521819	Elsje van der Linde	123
Berg 12: Melkplaas Floodplain	32511814	Elsje van der Linde	158
Berg 13: Springersbaai Floodplain	32481813	Elsje van der Linde	45
Gouritz River - Vaalhoek	33452140	Elton le Roux	86
Wildevoolvlei	34081821	Eric Barnes	167
Langebaan: Geelbek Wes	33121805	Felicity Ellmore	351
Mossel Bay Sewage Works	34072206	Frans de Graaff	215
Great Brak River Estuary	34042214	Frans de Graaff	152
Klein Brak River Estuary: Mouth - N2 Bridge	34052208	Frans de Graaff	69
Lourens River Estuary	34051844	Gordon Scholtz	324
Langebaan: Yzerfontein camp site - Schrywershoek	33161808	Graham Avery	1405
Wilderness Lakes - Swartvlei System	34002245	Ian Russell	6072
Wilderness Lakes - Touw System	33592240	Ian Russell	3649
Duiwenhoks River: Mouth - Mazapa	34222100	Jean du Plessis	97
Eerste River Estuary	34051846	John Carter	152
Macassar Waste Water Treatment Works	34041845	John Carter	366
Voelvlei Dam	33221903	John Carter	1341
Paardevlei Dam	34051849	John Carter	35
Slent Farm Dam	33381849	Judy New	136
Langebaan: Japan se klip - Botteley	33071803	Keith Harrison	328
Berg 1: Mouth & Estuary	32471809	Keith Harrison	3050
Berg 3: Hotel Mudflats & Estuary	32471811	Keith Harrison	735
Jakkalsvlei	32051819	Kevin Shaw	422
Wadrif Saltpan	32131821	Kevin Shaw	695
Rocher Pan	32361818	Kevin Shaw	767
Olifants River Mouth (South Bank)	31421812	Kevin Shaw	808
Verlorenvlei	32201825	Kevin Shaw	1356
Diep River Estuary - Woodbridge to Mouth	33531829	Koos Retief	259
Diep River Estuary - R27 bridge to Woodbridge	33531830	Koos Retief	142
Rietvlei Wetland Reserve - Canal	33501831	Koos Retief	32
Rietvlei Wetland Reserve - Diep River	33501830	Koos Retief	47
Rietvlei Wetland Reserve - North Vlei	33511828	Koos Retief	236
Rietvlei Wetland Reserve - Dolphin Beach	33501828	Koos Retief	156
Rietvlei Wetland Reserve - South Vlei	33521828	Koos Retief	187
Rietvlei Wetland Reserve - Central Pans	33511829	Koos Retief	1098
Zoarvlei North	33541829	Koos Retief	26
Zoarvlei South	33551829	Koos Retief	46
Knysna Sewage Works	34042302	Lorna Watt	253
Knysna Lagoon	34032302	Lorna Watt	2231
Groenvlei Lake	34012252	Margaret Kiely	497
Springfontein Dam	32192238	Maria Andela	394
Beaufort West Sewage Works	32222237	Maria Andela	249
Kluitjieskraal Wetland	33261910	Mariana Delpoort	80
Droevlei	33381843	Mariana Delpoort	329
Botriviervlei (section A1)	34201908	Mariana Delpoort	718
Botriviervlei (section A2)	34211907	Mariana Delpoort	595
Botriviervlei (section B)	34221907	Mariana Delpoort	2668
Botriviervlei (section C)	34201907	Mariana Delpoort	685

Botrivierlei (section D)	34221905	Mariana Delport	1455
Kleinmond River Estuary (section E)	34211905	Mariana Delport	76
Langebaan: South Marsh	33111806	Marius Wheeler	1888
Berg 6: Kliphoeck Salt pans	32501812	Marius Wheeler	731
Langebaan: ChurchHaven - Kraalbaai	33091803	Mel Tripp	1384
Mud River Mouth	33291818	Mel Tripp	527
Berg 4: Hotel Salt pans	32481811	Mel Tripp	2818
Vermont Salt Pan	34251910	Mike Ford	299
Kleinriviersvlei	34251921	Mike Ford	582
Herold Farm Dam 1	33492225	Natalie Baker	8
Herold Farm Dam 2	33502225	Natalie Baker	7
Herold Farm Dam 3	33492226	Natalie Baker	34
Herold Farm Dam 4	33502227	Natalie Baker	24
Herold Farm Dam 5	33492227	Natalie Baker	40
<i>Du Toit Farm Dam 1</i>	<i>33492232</i>	<i>Natalie Baker</i>	<i>21</i>
<i>Du Toit Farm Dam 2</i>	<i>33492231</i>	<i>Natalie Baker</i>	<i>211</i>
De Mond Estuary	34432007	Nicky Hess	127
Driefontein Farm Dam	33211846	Otto Schmidt	107
Radyn Dam	33181845	Otto Schmidt	264
Grootwitvlei	34221853	Penny Palmer	70
Berg 2: Cerebos Salt pans	32481810	<i>Peter Nupen</i>	2130
Langebaan: Central Marsh	33101806	Rene Navarro	1246
Vredenheim Farm Dam	33571848	Sheila Walker	97
Dwars in die weg Dam	33561849	Sheila Walker	17
Dick Dent Bird Sanctuary	34061849	Sheila Walker	42
George Sewage Works	33592227	<i>Sheilagh Goedvolk</i>	478
Berg 8: Kruispad Floodplain	32521815	Sylvia Ledgard	157
PETROSA / MOSSGAS Dams	34112201	Tonia Schonken	191
Hartenbos Estuary	34072207	Tonia Schonken	197
Noord Agter Paarl Irrigation Dam	33401858	Yvonne Weiss	137
Paarl Bird Sanctuary	33411858	Yvonne Weiss	1057
<b>Total</b>			<b>65660</b>

Limpopo Province	Site Code	Compiler	Count
Naboomspruit Sewage Works	24312843	Ellie van Rhyn	894
Rust de Winter Dam	25132830	Frans van Vuuren	175
Moorddrift Dam	24152858	Herman van Dijk	1911
Polokwane Bird Sanctuary	23512927	Joe Grosel	1196
Doornbult Farm Dam	23472927	Joe Grosel	45
Polokwane NR - Retention Dams	23522930	Joe Grosel	137
Deloskop Farm Dam	23312919	Joe Grosel	493
Sterkloop Wetlands	24362924	Joe Grosel	32
Kalkfontein Irrigation Dams	23372923	Joe Grosel	914
Rondepan Farm Dams	23472924	Joe Grosel	247
Turffloop Dam	23532946	Joe Grosel	667
Selati Tailings Dam	24013105	Johan van Heerden	637
Van Ruysen Dam	24003105	Johan van Heerden	117
PMC wetlands	24013110	John Sowards	373
Namakgale Sewage Works	23573102	John Sowards	331
Rooibosrand Dam (KNP)	23153110	John Sowards	321
Olifants / Selati Rivirs	24033119	John Sowards	93
Goedeheer Dam	24312802	Joseph Heymans	156
Nylsvley Nature Reserve	24392841	Koos van Dyk	3173
<b>Total</b>			<b>11912</b>

North West	Site Code	Compiler	Count
Leeupan	26322536	Piet du Plessis	1215
Barberspan	26352535	Piet du Plessis	10961
Klipvoor Dam	25102751	Ian Wagstaff	2056
Vaalkop Dam	25202728	Koos van Dyk	3505
<b>Total</b>			<b>17737</b>

Free State	Site Code	Compiler	Count
<i>Mpet. Con. Estate: Coot Dam</i>	<i>28482738</i>	<i>Allan Jones</i>	<i>34</i>
<i>Mpet. Con. Estate: Nippas &amp; Georges Ponds</i>	<i>28482739</i>	<i>Allan Jones</i>	<i>15</i>
Danielskuil Pan	29022554	Brian Colahan	416
Deelpaan	29102545	Brian Colahan	0
Rietpan	28402618	Brian Colahan	632
Samenwerking Farm Dam	30042639	Brian Colahan	28
Welbedacht Dam	29522653	Brian Colahan	1120
Allemandskraal Dam	28182712	Brian Colahan	2692
Erfenis Dam	28342650	Brian Colahan	2017
Rusfontein Dam	29182637	Brian Colahan	2461
Krugersdrift Dam	28522600	Brian Colahan	5459
Kalkfontein Dam	29322515	Brian Colahan	3980
Leeupan	29082541	Brian Colahan	0
Vaalbank Farm Dam	29052549	Brian Colahan	4419

Knellpoort Dam - Upper reaches	29452650	Brian Colahan	222
Knellpoort Dam	29462653	Brian Colahan	196
Blydschap Farm Dam	29162619	Brian Colahan	273
Welgevonden Farm Dam East	29172620	Brian Colahan	80
Vinkelfontein Farm Dam	30032641	Brian Colahan	16
Leeukop Farm Dam	29212623	Brian Colahan	271
Hartebeesdraai Farm Dam	28082615	Brian Colahan	219
Skop Pan	28462606	Brian Colahan	2382
Sunnyside Pan	28392608	Brian Colahan	630
Flamingo Pan	28002641	Brian Colahan	17150
St Helena Mine Dams	28012642	Brian Colahan	531
Seekoeivlei	27352935	Georg Wandrag	607
Moutoasi Setlogelo Dam	29182651	Jeremy Jones	282
Koppies Dam	27152741	J.J. Joubert	2685
Donkerpoort Farm Dam 1	29172629	Stephanie Gerber	151
Donkerpoort Farm Dam 2	29162629	Stephanie Gerber	71
Brandmag Farm Dam	29162630	Stephanie Gerber	18
Klipplaatfontein Farm Dams	27012655	Stephen Hill	632
Bloemhof Dam	27412540	S.J. Els	4677
<b>Total</b>			<b>54366</b>

Mpumalanga	Site Code	Compiler	Count
Daybreak Farm Dam	26092832	Andy McLetchie	490
Oqjes Pans	26052904	Andy McLetchie	54
Swadini Dam	24333048	Anton Linström	78
Lydenburg Fisheries	25073028	Anton Linström	66
Kwena Dam	25213022	Anton Linström	1130
Masibekela Wetlands	25533150	Anton Linström	516
Loskop Dam	25262919	Anton Linström	687
<i>Vygeboom Dam</i>	<i>25533036</i>	<i>Anton Linström</i>	<i>430</i>
Nooitgedacht Dam	25593004	Anton Linström	664
Heyshope Dam	27023031	<i>Anton Linström</i>	3857
New Denmark Dam	26442922	Colin Williams	248
Witbank Dam	25532918	Gert Opperman	762
Blinkpan (Arnot)	25542953	Hannes Hoffman	3058
Mavella Pan	25542924	Hannes Hoffman	23
Grootpan	25552954	Hannes Hoffman	79
Otter Pan	25552956	Hannes Hoffman	328
Klein Riet Pan	25562940	Ken Hattingh	125
Lemoenfontein Dam 1	25482940	Ken Hattingh	454
Lemoenfontein Dam 2	25472939	Ken Hattingh	63
Lemoenfontein Dam 3	25472941	Ken Hattingh	61
Kanhym Pan 1	25502931	Ken Hattingh	1537
Kanhym Pan 2	25512941	Ken Hattingh	666
Kanhym Pan 3	25522932	Ken Hattingh	291
Kanhym Pan 4	25512933	Ken Hattingh	167
Bosmanspoort Dam	26052941	Ken Hattingh	151
Woestaleen Spruit Dam	25562937	Ken Hattingh	57
TNC Proposed Bird Sanctuary	26082922	Ken Hattingh	767
Oranjevallei Pan	26122945	Ken Hattingh	90
Hendrina Municipal Dam	26092944	Ken Hattingh	117
Goedenhoop Pan	25552928	Ken Hattingh	81
Bosmanslaagte Pan	26072942	Ken Hattingh	294
Bosmansfontein Pan	26062941	Ken Hattingh	611
Mushroom Dam	26552900	Kevin Armitage	337
Goedeheer Pans 1&2	26203018	Marjorie Nuns	132
Goedeheer Pan 3	26193017	Marjorie Nuns	15
Blinkpan (Lothair)	26203020	Marjorie Nuns	236
Breyten Pan	26183000	Marjorie Nuns	93
Lake Banagher (East)	26203022	Marjorie Nuns	184
Lake Banagher (Proper)	26213022	Marjorie Nuns	153
Lake Banagher (West)	26203021	Marjorie Nuns	62
Lake Chrissie	26193013	Marjorie Nuns	391
Blaauwwater Pan	26173016	Marjorie Nuns	57
Leeupan	26352857	Piet van der Westhuizen	1878
<b>Total</b>			<b>21540</b>

<b>Combined Total</b>			<b>235983</b>
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