



Avian Demography Unit

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The Tony and Lisette Lewis
Foundation South Africa



The Avian Demography Unit
conducts the Coordinated
Waterbird Counts in partner-
ship with BirdLife South Africa.



COORDINATED WATERBIRD COUNTS (CWAC)

Newsletter 21

December 2002

Dear CWACers

Another year has passed and another two CWAC counts have been done. This brings to 22, the total number of CWAC counts conducted and for those sites first counted in January 1992 this means that they now have data for 11 summer and 11 winter counts. These sites should start revealing some interesting patterns and trends and we hope to begin analysing these datasets in the not too distant future.

I would like to say a big THANK YOU to all of you for your support and commitment to this programme. Many existing compilers have taken on additional sites or have started counting certain sites on a monthly or quarterly basis, while many new (and existing) compilers have added numerous new, and sometimes important sites to the ever-growing CWAC database. Without your dedication and enthusiasm, and passion for waterbird conservation, CWAC would not be able to position itself as one of the major contributors to wetland conservation in South Africa. Keep up your good work!

Winter 2002 count

To date, a total of 279 450 birds have been counted from 266 sites. This is about 10% down on the total count of 303 500 for winter 2001. There are, however, some counts still outstanding and these are marked in the accompanying tables. If you have any outstanding counts please send the results in as soon as possible or let me know if the count was not done. A total of 18 new sites was registered with CWAC from this count and these have been highlighted in the tables.

A major factor for the comparatively lower count is the large number (86) of regularly counted sites that were not censused during this season. A large proportion (35%) of these sites was counted by Woden Odendaal, one of CWAC's most ardent counters, who tragically passed away in July (see tribute below), while other sites could not be accessed due to bad weather and/or counters having other pressing work commitments.

Interesting highlights

As indicated in the last newsletter (No. 20) the focus of this section will be more site-based rather than species-based. This is firstly, to highlight the importance that certain sites hold for particular species, especially where species counts reach regional (0.5%) or global (1%) thresholds for their estimated global populations and secondly, to give compilers and counters an indication of some of South Africa's wetlands that are important for waterbird conservation.

Lakefield Pan (Benoni, Gauteng)

This suburban site supported significant numbers of Sacred Ibis with at least 1500 birds being recorded. This number exceeds the 0.5% regional threshold by 50%. This high number was mainly due to the birds establishing a breeding colony at the site. Site compiler, Henk Alting of Inkwazi Bird Club, estimated that 500 pairs were present during July.

Malandeni Sewage Works (Ladysmith, Kwazulu-Natal)

Like most sewage treatment plants, the Waste Water Treatment Works in Ladysmith provides some excellent habitat for waterbirds with both open water and reedbeds present. This winter Ken Gordon and his team recorded good numbers of Reed Cormorant (884), Black-crowned Night Heron (69), Great White Egret (18) and Purple Heron (10). Although none were recorded this winter, this site has become famous for Baillon's Crake – up to six birds have been recorded during a single visit.

Marievale Bird Sanctuary (Nigel, Gauteng)

This is one of the most popular and frequently visited birding sites in Gauteng. Situated in the Blesbokspruit Ramsar site, the sanctuary comprises large reed fringed marshes with large bodies of open water surrounded by patches of grassland. Site compiler, Stan Madden has been counting this site since January 1992 and on average produces about 4000 waterbirds in mid-summer. Interestingly, though, and sometimes overlooked, is the role that Marievale plays as a winter refuge for many species. For example, Spur-winged Goose numbers regularly exceed the 0.5% threshold level during winter when they use the site as a moulting refuge following breeding at smaller, sheltered wetlands in the surrounding areas during mid- to late summer. With water being permanent at Marievale many species congregate at the wetland during winter resulting in winter counts sometimes being higher than the summer counts. These congregations result from birds leaving the smaller ephemeral wetlands which dry out during the winter.

Thulazihleka Pan (Richards Bay, KwaZulu-Natal)

A permanent waterbody situated on the outskirts of Richards Bay, Thulazihleka Pan is an important waterbird site in northern KwaZulu-Natal. This winter it supported good numbers of Great White Pelican (125), Squacco Heron (24), Black Crake (76) and African Jacana (56). A large number of species, particularly the ducks, show seasonal variation in abundance and most show a ten-



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gency to dominate during the winter. Whiskered Terns also dominate in winter and up to 200 individuals have been counted.

The site's conservation importance is highlighted by the occurrence (sometimes in large numbers) of ten Red Data species including: Great White Pelican, Pinkbacked Pelican, Yellowbilled Stork, Openbilled Stork, Greater Flamingo, Lesser Flamingo, Pygmy Goose, African Marsh Harrier, Lesser Jacana and Caspian Tern.

Kwena Dam (Lydenburg, Mpumalanga)

A relatively large impoundment in the upper reaches of the Crocodile river catchment situated about 50 km south of Lydenburg. It is probably an important site on the Mpumalanga highveld for moulting anatids especially Egyptian Goose, Spurwinged Goose and Knobbilled Duck as evidenced by their winter numbers, 244, 328 and 199 respectively. The count for Knobbilled Duck is one of the largest counts for this species in the CWAC database. Relatively good numbers of Darter (62) and Dabchick (89) were also recorded.

Vaalkop Dam (Beestekraal, North West)

A large impoundment in the north-east of the North West province on the Elands river. The dam supports good numbers and diversity of waterbirds and is a popular venue for bird club outings. This winter, colonial breeders such as Whitebreasted Cormorant (1143), Darter (232) and Grey Heron (101) were recorded in good numbers, Darter numbers almost reaching the 0.5% level. Great Crested Grebe numbers surpassed the 0.5% threshold level with 29 birds being counted while Dabchick numbers almost reached the same level with 204 individuals.

Nqweba Dam (Graaff-Reinet, Eastern Cape)

Formerly the Van Rhyneveld's Pass Dam, Nqweba is a relatively small impoundment situated on the Sunday's river just to the north of Graaff-Reinet. Counts are coordinated by the newly established Graaff-Reinet bird club. Dabchick numbers surpassed the 0.5% level with 348 birds being counted. Although of no regional significance, 27 Blacknecked Grebe were recorded which represents a fairly good count for this species in the central Karoo. It is a possible moulting and wintering site for some anatids as this winter saw Egyptian Goose (335), South African Shelduck (135), Yellowbilled Duck (235) and Whitefaced Duck (83) being counted in relatively

large numbers. The dam is an important permanent waterbody for waterbirds in the Karoo.

September 'Roadshow'

From 6–20 September 2002, Dieter Oschadleus (SAFRING Coordinator) and I conducted a countrywide 'roadshow' to promote and provide feedback on ADU projects. We visited 11 bird clubs in six provinces in 14 days and made some valuable visits to four new clubs: BirdLife Vaaldam (Deneysville), Naboomspruit Bird Club, Ellisras Bird Club and BirdLife Feathered Friends (Brits).

Prior to our visit, Tony Jones of BirdLife Vaal Dam had already started coordinating waterbird counts at Vaal Dam. The western section of the dam was counted in April 2002 as part of a pilot run and just over 2000 waterbirds were counted. A follow-up count in October included parts of the southern and eastern sections and a total of 7784 waterbirds were counted. Tony has managed to get over 25 boat owners from the dam's boat clubs to assist with the counts. They generously take the 100+ counters around the various sections ensuring that as much as possible of the shoreline and open water is covered during the surveys. The counting of the dam is an enormous task but nonetheless an important one, especially as it is one of the largest impoundments in South Africa. We wish Tony all success with future counts and expansion into other sections of the dam.

Another exciting development is that CWAC counts could start taking place at Roodekopjes Dam (of African Skimmer fame) from 2003. This follows from the meeting we had with BirdLife Feathered Friends who are keen to coordinate the counts at the dam. They have already made contact with the boat club at the dam to see if they could assist in providing boats to cover the entire dam during the counts.

The Ellisras Bird Club expressed a keen interest in CWAC and they suggested that they could possibly cover a couple of sites in their district including Mokolo Dam (Mokolo Dam Nature Reserve) and Tambotie Dam (D'Nyala Nature Reserve). The Naboomspruit club also expressed a willingness to get more involved and are keen to work more closely with the Nylstroom Bird Club in this regard.

A photo-summary of our trip is available on the ADU's website at <http://www.uct.ac.za/depts/stats/adu/safring/road2002.htm>



CWAC personality profile

Vincent Ward is our feature personality for this issue. Vince currently works for the Western Cape Nature Conservation Board (WCNCB) and is currently based at the ADU. For the past few years he has been based in Lambert's Bay where he was a research assistant at Bird Island. He assists Kevin Shaw (WCNCB ornithologist) with CWAC counts at various wetlands on the West Coast. He is a keen bird ringer and has a passion for Cape Siskins and canaries.

ADU: *How did you get started with CWAC and how long have you been counting waterbirds?*

Vince: It all started with Langebaan Lagoon in 1995. After taking a break for a year on Bird Island, Algoa Bay, I started up with CWAC in 1997 again, and started getting involved with counts north of the Berg River.

ADU: *How many sites do you count and who assists you?*

Vince: I'm involved with Langebaan Lagoon, the Berg River Estuary, Rocher Pan, Verlorenvlei, Wadrif Saltpan, Jakkelsvlei and Olifants River Mouth. The counts north of the Berg River are done together with Kevin Shaw while Langebaan Lagoon and Berg River Estuary are done as part of the organised mass count.

ADU: *Why do you do it and what keeps you going?*

Vince: CWAC gives one a sense of ownership and interest in the sites that one counts. It is interesting to see the changes at each site between seasons and the changes over a period of years, both positive and negative.

ADU: *What highlights have you had since you started counting?*

Vince: Apart from the occasional vagrant, such as Common Redshank and Baird's Sandpiper, it is always interesting to see the rarer residents at the wetlands along the West Coast. The one species I'm particularly interested in is Hottentot Teal, which we have found in large numbers at Verlorenvlei, with a maximum of 37 counted at any one time. Most data currently available tend to indicate that this species is rare or even non-existent on the West Coast; it was not recorded at Verlorenvlei during the Southern African Bird Atlas Project.

ADU: *Why would you recommend it to other birders?*

Vince: As I have previously said, CWAC fosters a sense of ownership in our wetlands and this is the first step in ensuring the long-term protection of these valuable sites. CWAC in itself is a good chance for birders to contribute toward conservation and ornithology in general.

Tribute to Woden Odendaal

In July 2002, Woden Odendaal died suddenly and tragically. Woden was a dedicated and enthusiastic CWACer who, together with his wife Val, coordinated waterbird counts at over 30 sites, mainly in the Witbank and Chrissiesmeer regions. The ADU would like to pay a special tribute to Woden as he made an outstanding contribution to the project and highlighted many important waterbird sites in Mpumalanga.

Woden and Val started counting in July 1993 and registered Witbank Dam as one of their first sites. They were always on the look-out for new sites on their travels. The weekend I spent with him and Val during my ADU 'roadshow' in May 2000 was one of the most enjoyable on that trip. Together with Ken Hattingh (one of Woden's closest friends and fellow CWACer), Woden took me to

most of his (and Ken's) sites, travelling nearly 400km during that weekend! Woden and Val put in a tremendous effort for CWAC and although they quit 'CWACing' after ten years he assured me that they looked forward to every count, taking careful note of any changes from one year to the next. He was one of CWACs 'die-hard' compilers and I am sorry that I did not get to interview him for our *Personality Profile* section in the CWAC newsletter. His enthusiasm, experience and passion for birds would have surely encouraged many a CWACer to carry on counting. As a member of the Witbank Bird Club, Woden's birding and conservation ambitions would not have gone unnoticed and I am sure he will always be remembered for this by the Witbank members and CWACers. The ADU salutes Woden for his contribution to CWAC and we extend our deepest sympathies to Val.



Heronries and colonies

As mentioned in Newsletter 19, please don't forget to keep a look-out for any heronries and/or breeding colonies of waterbirds during this summer's CWAC or during your birding travels around the country. By recording the location of the colony, number of species and adults of each species, number of nests (estimate for large colonies) and surrounding land-use or habitat on a NERCS heronry/colony card (or in a notebook if you do not have a heronry card with you) and submitting it to the ADU you will be making a contribution to the first inventory of colonial breeding sites for waterbirds in South Africa. We have limited information about these 'waterbird breeding factories' and this initiative aims to answer questions such as where these colonies occur, what is their species composition, how productive are they and ultimately how well are they protected? For further information and instructions on how to download the heronry card and NERCS handbook please go to:

<http://www.uct.ac.za/depts/stats/adu/heronries.htm>

Staying with heronries/colonies, I would also like to briefly bring to your attention a waterbird colour-ringing project that the ADU has started in the southwestern Cape. This project which aims to look at juvenile dispersal and movement patterns, and breeding site fidelity will concentrate mainly on Sacred Ibis and Cattle Egret although African Spoonbill and other herons and egrets will be included where possible. Please visit http://www.uct.ac.za/depts/stats/adu/colony_colring.htm for further details about the project, see photographs from each of the three study sites and how you can get involved as a RingWatcher!

Summer 2003 count

A reminder that this count takes place on any day(s) from mid-January to mid-February with the preferred dates being the last weekend (**Saturday 25th or Sunday 26th**) in January, or as close to these days as possible. Enjoy the count!

I wish all of you a happy Christmas and peaceful 2003.

Doug Harebottle
Project Coordinator





Winter 2002 CWAC counts



Entries in *italics* indicate new sites for CWAC.

* denotes the count results that have not yet been received.

Sites are listed in descending order of abundance per province.

Sites not listed were either not counted or have been discontinued altogether.

The official site codes (centre point coordinates) are included for your quick reference.

MPUMALANGA	Site code	Compiler	Count
Leeuwpans	26352857	Piet van der Westhuizen	2790
Bosmansfontein Pan	26062941	Ken Hattingh	1471
Kwena Dam	25213022	Lientjie Cohen	1257
Goedenhoop Pan	25552928	Ken Hattingh	1130
Loskop Dam	25262919	Lientjie Cohen	1061
Bosmanslaagte Pan	26072942	Ken Hattingh	922
Oranjevallei Pan	26122945	Ken Hattingh	921
Masibekela Wetlands	25533150	Lientjie Cohen	655
TNC Proposed Bird	26082922	Ken Hattingh	654
Kanhym Pan 3	25522932	Ken Hattingh	651
Blinkpan (A rnot)	25542953	Hannes Hoffman	645
<i>Groenfontein Pan</i>	25522852	Andre Marx	547
Lemoenfontein Dam 1	25482940	Ken Hattingh	424
Hendrina Municipal Dam	26092944	Ken Hattingh	410
Ogies Pans	26052904	Andy M cletchie	380
Klein Riet Pan	25562940	Ken Hattingh	377
Bosmanspoort Dam	26052941	Ken Hattingh	294
Grootpan	25552954	Hannes Hoffman	259
Lemoenfontein Dam 3	25472941	Ken Hattingh	202
Coetzerspruit	25552936	Ken Hattingh	163
Otter Pan	25552956	Hannes Hoffman	150
Lydenburg Fisheries	25073028	Lientjie Cohen	90
Kanhym Pan 1	25502931	Ken Hattingh	61
Lemoenfontein Dam 2	25472939	Ken Hattingh	52
Mavella Pan	25542924	Hannes Hoffman	0
Groot Riet Pan	25572937	Ken Hattingh	0
Kanhym Pan 2	25512941	Ken Hattingh	0
Kanhym Pan 4	25512933	Ken Hattingh	0
TOTAL			15566

NORTHERN CAPE	Site code	Compiler	Count
Orange River Mouth	28381628	Mark Anderson	8094
Rooifontein Pan	28482449	Werner Sinclair	1074
Sakrivierspoort Wetlands	31502208	Japie Claassen	901
Orange River: Hohenfels-Brandkaros	28281637	Mark Anderson	858
Kriegerspoort Dam	31172433	Mark Anderson	759
Orange River: Bridge-Hohenfels	28331633	Mark Anderson	399
Kraanskuilsdam Weir	29522403	Ronelle Visagie	369
<i>Pedro's Kloof Dam</i>	30081806	Enrico Oosthuysen	326
Springbok Sewage Works	29401753	Enrico Oosthuysen	314
Hopetown Sewage Works	29422405	Ronelle Visagie	114
Wortelfontein Dam	31082408	Francois Taljaard	46
Kraanskuils Dam	29522412	Ronelle Visagie	30
De Aar Sewage Works	30412402	Francois Taljaard	24
Kafferspoort Dam	30552416	Francois Taljaard	0
Pudu Farm Dam	27482244	Mark Anderson	0
Marrick Pan	28462436	Mark Anderson	0
Holpan/Graspan Pans	28412426	Mark Anderson	0
Great Pan	28182335	Mark Anderson	0
Danielskuil Dams	28112333	Mark Anderson	0
Strydenburg Dam	29562341	Ronelle Visagie	0
Kraankuilsdam - Saaidam	29532412	Ronelle Visagie	0
TOTAL			13308

GAUTENG	Site code	Compiler	Count
Marievale Bird Sanctuary	26212830	Stan Madden	5233
Rooideplaat Dam	25382821	Craig Whittington - Jones	2441
Varkfontein Pans	26032822	Ann Mearns	2160
Lakefield Pan	26112817	Henk Alting	1875
Rooiwal Sewage Works	25342814	Andre van der Walt	1843
Elandsvlei 414	25592827	Koos van Dyk	1751
Bronkhorstspruit Dam	25542842	Pauline Leinberger	1561
Moorivier Loop 1 (Abe Bailey NR)	26192720	Craig Whittington - Jones	1513
Bonaero Park Pan	26072816	Albert Froneman	1439
Korsman Bird Sanctuary	26112818	Andy M cletchie	1395
Leeupan	26142819	Craig Whittington - Jones	1311
Stewards Pan	26122817	Craig Whittington - Jones	1140
Parkhaven Pan: North	26082816	Henk Alting	1061
<i>Apex Pan</i>	26132820	Craig Whittington - Jones	777
Anglo Reserve	26182830	Stan Madden	715
Moorivier Loop 2 (Abe Bailey NR)	26212716	Craig Whittington - Jones	682
Diepsloot Nature Reserve	25572800	Henk Alting	662
Rietspruit (Rooikraal)	26202817	Andy M cletchie	537
Rolfes Pan	26102813	Koos van Dyk	416
Grootvaly on Blesbok	26162830	Stan Madden	406
Con Joubert Bird Sanctuary	26112741	Henk Alting	346
Stan Madden Bird Sanctuary	26242828	Stan Madden	338
Parkhaven Pan: South	26092816	Henk Alting	281
Cowles Dam (Springs Bird Sanctuary)	26132828	Stan Madden	248
Rondebult Bird Sanctuary	26182812	Andy M cletchie	182
Bullfrog Pan	26082819	Anne Mearns	178
De Pan	26132726	Craig Whittington - Jones	140
Grootvaly Wetland Reserve	26142829	Stan Madden	129
Bonaero Park Pan	26072816	Albert Froneman	127
<i>Sandpan</i>	26072819	Doug Harebottle	79
Rietvlei & Marais Dams	25532817	Rihann Geyser	*
TOTAL			30966

LIMPOPO PROVINCE	Site code	Compiler	Count
Den Staat Irrigation Dams	29162213	Joe Grosel	4692
Turfloop Dam	23532946	Joe Grosel	2932
PMC Wetlands	24013110	John Swards	884
Nylsvley Nature Reserve	24392841	Koos van Dyk	781
Namakgale Sewage Works	23573102	John Swards	243
Naboomspruit Sewage Works	28432431	Saartjie Kidson	211
Rooibosrand Dam (KNP)	23153110	John Swards	176
Sterkloop Wetlands	24362924	Joe Grosel	163
Rondepan Farm Dams	23472924	Joe Grosel	135
Kalkfontein Irrigation Dams	23372923	Joe Grosel	53
Doornbult Farm Dam	23472927	Joe Grosel	33
Pietersburg Bird Sanctuary	23512927	Conrad van Tonder	*
TOTAL			10303

NORTH WEST	Site code	Compiler	Count
Barberspan	26352535	Andre Vosloo	18688
Vaalkop Dam	25202728	Koos van Dyk	4373
TOTAL			23061

WESTERN CAPE	Site code	Compiler	Count
Lower Berg River	32481811	Doug Harebottle	12855
Langebaan Lagoon	33051806	Doug Harebottle	9650
Strandfontein Sewage Works	34051831	Dick Barnes	8235
Wilderness Lakes: Swartvlei System	34002245	Ian Russell	7192
Wilderness Lakes: Touw System	33592240	Ian Russell	6943
Botriviervlei	34211906	Mariana Delport	6748
Knysna Lagoon	34032302	Joy von Korff	3012
Houdenbek Dam	33001928	Japie Claassen	2246
Verlorenvlei	32201825	Kevin Shaw	2081
Jakkalsvlei	32051819	Kevin Shaw	1777
Paarl Bird Sanctuary	33411858	Yvonne Weiss	1776
Rietvlei Wetland Reserve	33511829	Koos Retief	1574
Rocher Pan	32361818	Kevin Shaw	1562
Theewaterskloof Dam	34021913	Gerry Jooste	1236
Zandvlei - Marina Da Gama	34061829	Angus Hemp	751
Macassar Waste Water	34041845	John Carter	709
Radyn Dam	33181845	Otto Schmidt	692
Keurbooms River Estuary	34022324	Brian Denman	664
Groenvlei	34012252	Rhett Hiseman	651
Stompdrift Dam	33312237	Ian Mileham	648
Wadriif Saltpan	32131821	Kevin Shaw	647
Swartkops Dam	33061946	Otto Schmidt	615
Voëlvlei Dam	33221903	John Carter	599
Diep River Estuary (Milnerton Lagoon)	33531829	Koos Retief	581
Seekoegat Dam (Potgieter Dam)	33382209	Ian Mileham	577
Wildevoëlvlei	34081821	Eric Barnes	551
Slent Farm Dam	33381849	Judy New	508
Edith Stephens Wetland Park	34011831	Doug Harebottle	481
Rocklands Dam	33081917	Japie Claassen	479
Wellington Waste Water Works	33391858	Johan Rousseau	477
Mossgas Dams	34112201	Frans de Graaff	469
Modder River Mouth	33291818	Mel Tripp	465
Rondevlei Nature Reserve	34041830	Dalton Gibbs	456
Droëlvlei	33381843	Mariana Delport	440
Kleinriviersvlei (Klein River Estuary)	34251921	Michael Ford	433
Zandvlei: Lower Estuary	34071828	Brian Herman	384
Verkeerdevlei	33192052	Otto Schmidt	376
Hartebeeskuil Dam	34062200	Joy von Korff	375
Knysna Sewage Works	34042302	Joy von Korff	359
Steenbras Dam	34101854	Sheila Walker	354
Bitou River	34012323	Brian Denman	346
Paardevlei Dam	34051849	Sheila Walker	340
Eerste River Estuary	34051846	John Carter	315
Great Brak River Estuary	34042214	Ian Mileham	304
Suikerbosrand/Rietvlei Dams	32521928	Japie Claassen	303
Goukamma River Mouth	34042257	Rhett Hiseman	297
Gourits River: Mouth-Lowwater Bridge	34212153	Mossie Basson	267
Zandvlei - Upper Estuary	34061828	Brian Herman	252
Goukou River: Mouth-Cobb Hole	34232125	Mossie Basson	220
Driefontein Farm Dam	33211846	Otto Schmidt	220
Raapenberg Bird Sanctuary	33561828	Wayne Jones	214
Mossel Bay Sewage Works	34072206	Frans de Graaff	209
Beaufort West Bird Sanctuary	32222237	Japie Claassen	186
Duiwenhoks River: Mouth-Melkhoutkraal	34222100	Mossie Basson	175
Vermont Salt Pan	34251910	Michael Ford	138
De Mond Estuary	34432007	Pieter Albertyn	134
Oudtshoorn Sewage Works	33372214	Ian Mileham	97
Dick Dent Bird Sanctuary	34061849	Sheila Walker	96
George Sewage Works	33592227	Frans de Graaff	89
Leeu Gamka Dam	32362201	Japie Claassen	88
Westlake Wetlands	34071827	Brian Herman	72

WESTERN CAPE (cont.)	Site code	Compiler	Count
Klawervlei	34021845	Sheila Walker	57
Kleinmond River Estuary	34211905	Mariana Delport	45
Nature's Valley (Groot River)	33592332	Joy von Korff	34
Noord-Agter Paarl Irrigation Dam	33401858	Yvonne Weiss	31
Springfontein Dam	32192238	Japie Claassen	0
Noordhoek Dam	32572158	Japie Claassen	0
Springfontein Dam	32192238	Japie Claassen	0
Bellair Dam	33422035	Andrew Schofield	*
De Hoop Vlei	34262023	Paul Bothma	*
Voëlvlei	34162149	Joy von Korff	*
TOTAL			72302

KWAZULU-NATAL	Site code	Compiler	Count
Lake St Lucia	28043227	Caroline Fox	5659
Blood River Vlei (Central)	27503035	Duncan Mckenzie	4912
Malandeni Sewage Works	28342948	Ken Gordon	2094
Pongolapoort Dam	27253158	Craig Mulqueeny	1940
Thulazihleka Pan	28473203	Peter Outhwaite	1904
Chelmsford Dam	27572957	Ken Gordon	1513
Nsumu Pan	27403219	Craig Mulqueeny	806
Kosi Bay Lake System	26583250	Robert Kyle	791
Vasi Pan	27123242	Andrew Sutherland	711
Northern Treatment Works	29483100	Richard Boon	616
Richards Bay Wetlands	28493202	Peter Outhwaite	606
Sodwana Bay to Cape Vidal	27523236	Caroline Fox	571
Umgeni River Estuary	29493102	Steve Davis	551
Harding Dam	30342952	Neville Bentley	519
Yengweni Pan	27393226	Craig Mulqueeny	510
Watermead Dam	29502935	Stuart Mclean	450
Reichenau Mission Dam	29482938	Stuart Mclean	441
Midmar Dam (Reserve only)	29313011	Shirley Bennett	401
Mavuya Pan	28303212	Caroline Fox	385
Albert Falls Dam	29263024	Shirley Bennett	318
Neshe Pan	27393224	Craig Mulqueeny	292
Umvoti River Estuary	29233121	Shirley Jex	287
Lake Eteza	28213209	Caroline Fox	214
Klipfontein Bird Sanctuary	27483048	Duncan Mckenzie	184
Nyamithi Pan (Ndumo)	26533218	Robert Kyle	181
Mtunzini Prawn Hatchery	28573146	Caroline Fox	125
Mtwalume River Estuary	30283038	Neville Bentley	124
Two Pans	28263217	Caroline Fox	117
Durban Bayhead	29533101	Roy Cowgill	80
St Lucia Sewage Works	28233225	Caroline Fox	77
Shokwe Pan (Ndumo)	26533213	Robert Kyle	43
Bhanzi Pan (Ndumo)	26523217	Robert Kyle	41
Mfazana Pans	28153228	Caroline Fox	38
Mlalazi River Estuary	28573147	Caroline Fox	26
Lake Mfutululu	28253215	Caroline Fox	20
Kudu Pan	28273246	Caroline Fox	10
Tshanetshe Pan	27403226	Craig Mulqueeny	3
Nsumu Pan	27403219	Craig Mulqueeny	0
Mfula Pan	27373233	Craig Mulqueeny	0
Ndlebeni Pan	27423237	Craig Mulqueeny	0
Goedetrouw Dam	28463124	Duncan Pritchard	*
Hlatikulu Valley	29152941	Brent Coverdale	*
Mbozambo Waste Water	29173117	Iain Kerr	*
TOTAL			27560





mazda
Wildlife Fund
The Driving Force
Behind Conservation

FREE STATE	Site code	Compiler	Count
Kalkfontein Dam	29322515	Brian Colahan	12331
Vaalbank Farm Dam	29052549	Brian Colahan	9677
Krugersdrift Dam	28522600	Brian Colahan	9390
Bloemhof Dam	27412540	Stephan Els	6678
A llemanskraal Dam	28182712	Brian Colahan	4696
Erfenis Dam	28342650	Brian Colahan	3622
Koppies Dam	27152741	V. Brink	1293
Danielskuil Pan	29022554	Brian Colahan	1215
Rusfontein Dam	29182637	Brian Colahan	1155
Knellpoort Dam	29462653	Dave Hayter	862
Samenwerking Farm Dam	30042639	Schalk Burger	673
Donkerpoort Farm Dam 1	29172629	Stephanie Gerber	619
Bloemspruit Sewage Maturation Ponds	29072616	Herman Kleynhans	555
Seekoeivlei	27352935	Brian Colahan	463
Sterkfontein Dam	28262901	Stephan van der Walt	324
Welbedacht Dam	29522653	Brian Colahan	268
Vendutiekop Farm Dam	29442538	Christiaan de Wit	267
Moutloasi Setlogelo Dam	29182651	Brian Colahan	239
Brandwag Farm Dam	29162630	Stephanie Gerber	43
Skoppan	28462606	Stephan van der Walt	31
Sunnyside Pan	28392608	Brian Colahan	13
Leeupan	29082541	Nick van der Walt	10
Deelpan	29102545	Brian Colahan	0
Rietpan	28402618	Brian Colahan	0
Donkerpoort Farm Dam 2	29162629	Stephanie Gerber	0
TOTAL			54424

EASTERN CAPE	Site code	Compiler	Count
Chatty Salt pans	33512535	Paul Martin	2644
Zwartkops River Estuary	33522538	Paul Martin	2619
Nqweba Dam	32132432	Judy Caryer	1769
Kabeljous River Estuary	34002456	Chuck Cook	1410
Redhouse Saltpan	33502535	Paul Martin	1379
Krom River Mouth	34082450	Chuck Cook	1088
Malangskraal Dam	32442607	Bo Bonnevie	1061
Gamtoos River: Mouth-6km upstream	33582502	Chuck Cook	817
Mondplaas Ponds	33572458	Chuck Cook	716
Gamtoos River (False Mouth)	33582505	Chuck Cook	686
Umtata Dam	31302842	Sonja Vorster	648
Retreat Farm Dam	31562525	Alan Collett	632
Seekoei River Estuary	34052454	Chuck Cook	628
PE Power Station Pans	33522536	Paul Martin	561
Riet River Bay (Three Sisters-Riet Point)	33332701	Tony Tree	404
Bar None Saltpan	33502533	Paul Martin	272
Bushmans River: Mouth-Ghio Bridge	33402635	Laurie Wood	246
Great Fish River Estuary	33292707	Tony Tree	229
Ghio Pans	33382634	Laurie Wood	183
Perseverance Vleis	33502532	Paul Martin	168
Cape Recife Reclamation Works	34012541	Paul Martin	129
Kowie River Estuary	33352653	Tony Tree	119
TOTAL			18408

TOTAL - SOUTH AFRICA			279450
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