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The Avian Demography Unit is conducting the Coordinated Waterbird Counts in partnership with BirdLife South Africa.



The Tony and Lisette Lewis
Foundation South Africa

COORDINATED WATERBIRD COUNTS (CWAC)

Newsletter 19

December 2001

Dear CWACers

This year we celebrated 10 years of CWAC which is an important milestone for the project. This last winter count was the 20th count overall since the programme was launched in 1992, making CWAC the longest running post-atlas project of the ADU. Later in this newsletter is a short retrospective covering the growth and achievements of the project and ending with a brief glimpse at the next ten years.

Winter 2001 count

Thank you to all those compilers who have submitted winter counts. We hope that you enjoyed it! According to counts received at the time of writing, a total of 290 130 birds were counted from 282 sites. 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. Twenty-four sites were counted for the first time during this count; many thanks to those compilers for registering these new sites. These new sites are highlighted in the tables.

Interesting highlights (*due to space constraints only a selected few are listed*):

Great Crested Grebe

361 at Barberspan.

Blacknecked Grebe

621 at Berg River (Hotel Salt pans); 613 at Strandfontein Sewage Works; 553 at Cerebos Salt pans, Velddrif.

Dabchick

1260 at Wilderness Lakes; 752 at Strandfontein Sewage Works; 686 at Van Ryneveld's Pass Dam.

Reed Cormorant

950 at Den Staat Irrigation Dams.

Whitebacked Night Heron

9 at Goedetrouw Dam.

African Darter

590 at Den Staat Irrigation Dams.

Whitefaced Duck

5 600 at Den Staat Irrigation Dams.

Pygmy Goose

52 at Lake Msingazi.

African Finfoot

5 on the Nseleni River; 3 at Goedetrouw Dam; 1 at Kosi Bay lakes.

Chestnutbanded Plover

174 at Skoppan; 93 at Berg River (Hotel Salt pans); 8 at Great Fish River Estuary (first record for site and district).

Avocet

350 at Verlorenvlei; 302 at Springfontein Dam.

Kelp Gull

2163 at Jakkalsvlei.

Mangrove Kingfisher

1 at Richards Bay wetlands.



CWAC 1992–2001

CWAC was launched ten years ago. The project was initiated by the Department of Environmental Affairs & Tourism towards the end of 1991 as part of South Africa's obligations to the Ramsar Convention and its membership of Wetlands International (then IWRB). The ADU agreed to coordinate and manage CWAC on behalf of the department and the first counts took place in January 1992 with 45 sites being counted, including Walvis Bay in Namibia; the latter is now included in Namibia's own waterbird monitoring programme. Approximately 100 people participated in those first counts.

By January 1996, five years later, the number of sites had more than trebled to 145, with most of the sites being in the Western Cape, Free State and KwaZulu-Natal. During this period the number of participants increased more than tenfold to almost 1200.

By July 2001, the number of registered sites had grown to 350, more than doubling the number of sites since 1996, while the number of participants has increased relatively slightly and currently stands at around 1500. Of the 45 sites first counted in 1992, 33 have been counted every year over the last ten years and results from these sites should reveal some interesting trends and patterns.

The *TOTAL CWAC Report: coordinated waterbird counts in South Africa, 1992–97*, published in 1999, was the first major waterbird report to be published in the sub-region and highlighted: (a) the importance of specific sites for particular species, (b) the threats to waterbirds and to wetlands in South Africa, and (c) the need to continue collecting waterbird count data on a long-term basis.

The appointment of a full-time Project Coordinator in 1999 helped to streamline data curation, management and dissemination, and has ensured better networking and coordination among the nearly 200 Compilers. The Project Coordinator also acts as the southern African Regional Organiser for the African Waterbird Census (AfWC) and this serves to promote and strengthen waterbird monitoring activities in the subregion as a whole.

Over the last five years, regional 'roadshows' and other activities helped promote CWAC amongst the numerous bird clubs in the country and emphasised the contribution that volunteers could make to waterbird and wetland conservation in South Africa.

What about the next ten years? We remain confident that CWAC will go from strength to strength and, although core funding still needs to be found for the project, alternative forms of funding, through project finance under the Ramsar and Bonn conventions, are being considered. At a local level, further growth and coverage will be targeted in areas where no monitoring is taking place, while strategies to cover priority sites on a regular basis need to be defined. In an African context, we are plan to do a summary and gap analysis for the southern African region as part of the AfWC; project proposals and budgets have been produced and will be submitted shortly.

A tribute to CWAC over the last ten years would not be complete without acknowledging two groups of people: the counters and the sponsors/VIPs. Firstly, to you the counter, a big THANK YOU! Without your time, enthu-



siasm and passion for waterbirds, CWAC would not be where it is today. As dedicated volunteers you have made a valuable contribution and we hope that you will continue for another ten years!

Secondly, a project of this nature requires substantial funding and we are indebted to the following organisations for providing financial and logistical support: Department of Environmental Affairs and Tourism, WWF-SA, BirdLife South Africa, the Tony and Lisette Lewis Foundation of South Africa, TOTAL South Africa, Wetlands International and Mazda Wildlife Fund. I would also like to specially thank Mark Anderson (Northern Cape Nature Conservation Service) and Brian Colahan (Free State Department of Environmental Affairs) for the enormous contributions they and their organisations have made to the project, as have others in their respective organisations. As part of this acknowledgement their logos will now be featured in this and future newsletters.

European visit

My four-week visit to the UK and Europe during August/September this year was a tremendous success. During my first week in the UK I visited the Wildfowl & Wetlands Trust (WWT) and British Trust for Ornithology (BTO) where I met with coordinators and managers of WeBS (Wetland Bird Survey), the UK equivalent of CWAC. Although WeBS has been running for nearly 30 years, I discovered that they experience the same kind of problems associated with volunteer-based monitoring programmes, but it was nevertheless good to share experiences and exchange information about CWAC and WeBS. My week ended with a three-day visit to The

Wash, a large bay in the north-east of England, where I gained some valuable experience in catching and ringing waders with The Wash Wader Ringing Group.

The next two and a half weeks were spent in the Netherlands attending the European Ornithological Conference in Groningen, visiting Wetlands International head office in Wageningen and then presenting a paper at the International Wader Study Group AGM in Kollermerpomp.

My last four days were spent in northern Germany at the coastal town of Husum where I had arranged to spend time with Klaus Günther from the local WWF office. Klaus is coordinator of spring high-tide counts of shorebirds along this part of the Wadden Sea, an internationally important wintering and staging area for many species of shorebirds, particularly waders. We spent two and a half days involved with counts and I was amazed at the number of shorebirds present. For example, at one coastal pan (less than 1 ha in size), we counted over 25 000 birds, dominated by Dunlin, Redshank and European Oystercatcher. This count can sometimes equal the total count for the North-West province! It was also great to see species such as Curlew Sandpiper, Bartailed Godwit and Grey Plover in breeding plumage.

Overall I had a tremendous trip and gained enormous experience and ideas from waterbird monitoring schemes in the northern hemisphere. I am grateful to the ADU for allowing me this opportunity. I have put together photo essays of my Wash and Husum visits and these are available on our website at www.aviandemography-unit.org (click on *What is new* or *Travel*).

CWAC personality profile

In this issue, we feature one of the Western Cape's most ardent CWAC Compilers – Mariana Delpont. Mariana is currently chairperson of the Tygerberg Bird Club (TBC) in Durbanville, Cape Town, a club that has enthusiastically committed itself to ADU projects, and CWAC in particular. Although the club counts only three sites, they have never missed a count since they began! They have also enlisted the assistance of members from smaller clubs such as the Hermanus and Kleinmond Bird Clubs, thus helping to spread the good habit. Mariana currently works in Sanlam's IT department in Bellville.

ADU: How did you get started with CWAC?

Mariana: The ADU approached the Tygerberg Bird Club in 1993 about getting involved in CWAC. John Philogene, our chairman at that time, asked me to co-ordinate CWAC on behalf of the club. As he knew that my husband and I have been camping on my brother-in-law's farm adjacent to the Botrivierlei for many years, the Botrivierlei was an obvious starting point.

ADU: How long have you been counting waterbirds?

Mariana: We did our first CWAC count on 25 July 1993.

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

Mariana: Currently we count 3 sites: Botrivierlei, Kleinmond Estuary and Droëvlei. Droëvlei is a farm dam near Malmesbury, about 35 km from where most of our club members live. Between 5 and 15 members of our club usually count this site. Botrivierlei and Kleinmond Estuary is a bit further from home. These two sites

are adjacent to each other, and cover quite a large area. Six teams, each covering a predetermined stretch of shoreline and inland water, do the counting. I think we can probably boast having the only CWAC site where five neighbouring bird clubs (Tygerberg, Cape, Somerset West, Hermanus and Kleinmond Bird Clubs) join forces to do a bird count.

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

Mariana: Being a very dedicated and committed person, I will probably keep on doing it for as long as I am physically able to bird-watch! But seriously, I have a special interest in the Botrivierlei as it is a very sensitive ecosystem which is often disturbed by human intervention. The fact that I can apply my love for the outdoors and birdwatching to contribute to valuable research also keeps me going.

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

Mariana: CWACing at the Botrivierlei got me involved with the Friends of the Botrivierlei and Environments, and I served on their committee for a number of years. My input is regularly asked when matters concerning the birdlife of the vlei are on the table, like the recent application for landing rights for a seaplane. I think the fact that this CWAC site was chosen to be the pilot site for the CWAC web-page was also a highlight!

ADU: Why would you recommend it to other birders?

Mariana: I think that CWACing gives one the satisfaction of giving something in return for the pleasure that we derive from birdwatching. For new birdwatchers this is also an excellent way of getting to know our waterbirds. And of course, there is always the chance of seeing something unusual!

CWAC Report 1992–2001

With ten years of data now available (for some sites) and five years' additional data since the first CWAC report was published, we feel that the time is right for a ten-year analysis and for an updated report to be produced. It is envisaged that such a report will take two years to complete and we will probably aim to have the report ready by the end of 2003. Finding a sponsor to cover the printing costs will be a major challenge but we are hopeful that we will find a suitable donor/sponsor willing to invest in this project.

Heronries and colonies

Many of you will no doubt have come across or know about heronries or colonies of breeding waterbirds at your site(s), or at other localities. As part of CWAC, the ADU would like to start a project to identify and catalogue all active heronries and/or colonies of waterbirds in South Africa. The end goal will be to produce an inventory, status report and priority list of sites at which these breeding colonies occur. To achieve this we need to collect appropriate information, e.g. which species breed in these colonies, how many nests there are for each species, etc.

To set the ball rolling, we have included a heronry/colony nest record card with this newsletter and encourage you to complete it the next time you go CWACing or when you next discover a heronry/colony during your travels. These cards form part of the Nest Record Card Scheme (NERCS) and are relatively easy to complete. An example of a completed card and a list of codes needed for the reverse of the card are also included with this newsletter. If you require additional cards please let me know and I will gladly forward them to you. *Note that these forms can be completed on any date, not only the CWAC count dates.*

Summer 2002 count

Please remember that counts should take place on one day between mid-January and mid-February with the preferred dates being the last weekend in January (**Saturday 26th** or **Sunday 27th**), or as close to these days as possible.

Season's greetings and happy CWACing!

*Doug Harebottle
Project Coordinator*

Winter 2001 CWAC counts

Entries in *italics* indicate new sites for CWAC.

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.

FREE STATE	Site code	Compiler	Count
Allemankraal Dam	28182712	Brian Colahan	3483
Benfontein Dam	28502450	Mark Anderson	0
Benfontein Pan	28492449	Mark Anderson	0
Bloemhof Dam	27412540	Stephan Els	11404
Bloemspruit Sewage Maturation Ponds	29072616	Herman Kleynhans	577
Deelpan	29102545	Brian Colahan	787
Erfenis Dam	28342650	Brian Colahan	6337
Gariep Dam (East)	30382550	Brian Colahan	1695
Gariep Dam (West)	30372537	H.L. Bosman	865
Kalkfontein Dam	29322515	Brian Colahan	3115
Knellpoort Dam	29462653	D. Hayer	510
Koppies Dam	27152741	J.J. Joubert	2061
Krugersdrift Dam	28522600	Brian Colahan	16545
Leeupan	29082541	Nick van der Walt	331
Moutloasi Setlogelo Dam	29182651	Jeremy Jones	264
Olive Hills Farm Dam	28492558	Stephanie Gerber	131
Rietpan	28402618	Brian Colahan	1098
Rusfontein Dam	29182637	Brian Colahan	1470
Samenwerking Farm Dam	30042639	Schalk Burger	296
SeekoeiMei	27352935	Brian Colahan	602
Skoonspruit Pan	27372636	Stephan du Preez	*
Skop Pan	28462606	Stephan vd Walt	304
Sunnyside Pan	28392608	Herman Kleynhans	96
Welbedacht Dam	29522653	Brian Colahan	337
TOTAL			52308
* outstanding			

NORTHERN PROVINCE	Site code	Compiler	Count
Den Staat Irrigation Dams	29162213	Joe Grosel	8940
Doombult Farm Dam	23472927	Joe Grosel	114
Doomdraai Dam	24152845	Karen Steenkamp	*
Kalkfontein Irrigation Dams	23372923	Joe Grosel	104
Naboomspruit Sewage Works	28432431	Saartjie Kidson	131
Namakgale Sewage Works	23573102	John Swards	210
Nylsvley Nature Reserve	24392841	Koos van Dyk	564
Olifants River (Olifants River North Shareblock)	24103100	John Burchmore	*
Pietersburg Bird Sanctuary	23512927	Conrad van Tonder	313
PMC wetlands	24013110	John Swards	637
Rondepan Farm Dams	23472924	Joe Grosel	208
Rooibosrant Dam (KNP)	23153110	John Swards	251
Sterkloop Wetlands	24362924	Joe Grosel	253
Turfloop Dam	23532946	Joe Grosel	1310
TOTAL			13035
* outstanding			

NORTH WEST	Site code	Compiler	Count
Barberspan	26352535	Henk Bouman	19317
Leeupan	26322536	Henk Bouman	3684
Vaalkop Dam	25202728	Koos van Dyk	1684
TOTAL			24685

GAUTENG	Site code	Compiler	Count
Anglo Reserve	26182830	Stan Madden	611
Bonaero Park Pan	26072816	Albert Froneman	1296
Bronkhorstspuit Dam	25542842	Pauline Leinberger	482
Con Joubert Bird Sanctuary	26112741	Henk Alting	406
Cowles Dam (Springs Bird Sanctuary)	26132828	Stan Madden	213
De Pan	26132726	Craig Whittington-Jones	1176
Diepsloot Nature Reserve	25572800	Henk Alting	1129
Elandsmei 414	25592827	Boudewyn van der Lecq	2879
Grootvaly on Blesbok	26162830	Stan Madden	418
Grootvaly Wetland Reserve	26142829	Stan Madden	164
Korsman Bird Sanctuary	26112818	Andy McLetchie	663
Lakefield Pan	26112817	Henk Alting	712
Leeupan	26142819	Bruce Glenday	*
Marievale Bird Sanctuary - Area A	26212830	Stan Madden	2537
Marievale Bird Sanctuary - Area B	26212831	Stan Madden	1173
Moorivier Loop 1 (Abe Bailey NR)	26192720	Craig Whittington-Jones	1213
Moorivier Loop 2 (Abe Bailey NR)	26212716	Craig Whittington-Jones	718
Parkhaven Pan - North	26082816	Henk Alting	3906
Parkhaven Pan - South	26092816	Henk Alting	188
Rietspruit (Rooikraal)	26202817	Andy McLetchie	187
Rolfes Pan	26102813	Koos van Dyk	537
Roodeplaat Dam	25382821	Pauline Leinberger	2547
Rooiwal Sewage Works	25342814	Andre van der Wal	1727
Stan Madden Bird Sanctuary	26242828	Stan Madden	361
Steward's Pan	26122817	Anne Mearns	232
Varkfontein Pans	26032822	Anne Mearns	3264
TOTAL			28739
* outstanding			

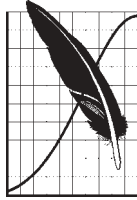


EASTERN CAPE	Site code	Compiler	Count
Bar None Saltpan	33502533	Paul Martin	453
Bushmans River: Mouth - Ghio Bridge	33402635	Maureen Turner	211
Cape Recife Reclamation	34012541	Paul Martin	268
Chatty Saltpans	33512535	Paul Martin	2077
De Hoop Dam	32262424	Judy Caryer	0
Gamtoos River (False Mouth)	33582505	Chuck Cook	721
Gamtoos River: Mouth-6km upstream	33582502	Chuck Cook	885
Ghio Pans	33382634	Tony Tree	0
Great Fish River Estuary	33292707	Tony Tree	435
Kabeljous River Estuary	34002456	Chuck Cook	2243
Kowie River Estuary	33352653	Tony Tree	111
Krom River Mouth	34082450	Chuck Cook	557
Malangskraal Dam	32442607	Bo Bonnevie	858
Mondplaas Ponds	33572458	Chuck Cook	277
PE Power Station Pans	33522536	Paul Martin	630
Perseverance Vleis	33502532	Paul Martin	135
Queenstown Sewage Works	31552650	Kate Webster	275
Redhouse Saltpan	33522533	Paul Martin	1242
Retreat Farm Dam	31562525	Allan Collett	512
Riet River Bay (Three Sisters-Riet Point)	33332701	Tony Tree	108
Seekoei River Estuary	34052454	Chuck Cook	835
Umtata Dam	31302842	Sonja Vorster	499
Van Ryneveld's Pass Dam	32132432	Judy Caryer	1486
Zwartkops River Estuary	33522538	Paul Martin	1662
TOTAL			16480

WESTERN CAPE	Site code	Compiler	Count
Beaufort West Bird Sanctuary	32222237	Japie Claassen	401
Berg 1: Mouth & Estuary	32471809	Doug Harebottle	3179
Berg 2: Cerebos Saltpans	32481810	Michael Byrnes	1942
Berg 3: Hotel Mudflats & Estuary	32471811	Keith Harrison	787
Berg 4: Hotel Saltpans	32481811	Mel Tripp	1945
Berg 5: De Plaat	32481812	Phil Whittington	1976
Berg 6: Kliphoeck Saltpans	32501812	Rob Satchel	1113
Berg 7: Kliphoeck River & Floodplain	32491813	Rob Satchel	145
Berg 9: LangrietMei Floodplain	32521817	Warwick Board	*
Berg 10: Kersefontein Floodplain	32531819	Warwick Board	*
Berg 11: Doornfontein Floodplain	32521819	Elsje van der Linde	127
Berg 12: Melkplaas Floodplain	32511814	Elsje van der Linde	113
Berg 13: Springersbaai Floodplain	32481813	Elsje van der Linde	53
Bitou River	34012323	Brian Denman	338
BotrivierMei	34211906	Mariana Delpont	1297
De Hoop Vlei	34262023	Paul Bothma	3737
De Mond Estuary	34432007	Pieter Albertyn	226
Dick Dent Bird Sanctuary	34061849	Gavin Lamont	60
Droevlei	33381843	Mariana Delpont	394
George Sewage Works	33592227	Frans de Graaff	144
Goukamma River Mouth	34042257	Rhett Hiseman	402
Great Brak River Estuary	34042214	Ian Mileham	165
Groenvlei	34012252	Rhett Hiseman	483
Hartebeeskul Dam	34062200	Joy van Korff	106
Jakkalsvlei	32051819	Kevin Shaw	2474
Keurbooms River Estuary	34022324	Brian Denman	1017
Klavervlei	34021845	Gavin Lamont	28
Kleinmond River Estuary	34211905	Mariana Delpont	138
Kleinriviersvlei	34251921	Mike Ford	636
Knysna Lagoon	34032302	Joy van Korff	2208
Knysna Sewage Works	34042302	Joy van Korff	444
Langebaan Lagoon	33081804	Doug Harebottle	*
Leeu Gamka Dam	32362201	Japie Claassen	919
Lourens River Estuary	34051844	Gordon Scholtz	*
Marina da Gama	34061829	Angus Hemp	481
Modder River Mouth	33291818	Mel Tripp	280
Mossel Bay Sewage Works	34072206	Frans de Graaff	228
Mossgas Dams	34112201	Frans de Graaff	194
Noord Agter Paarl Irrigation Dam	33401858	Yvonne Weiss	57
Noordhoek Dam	32572158	Japie Claassen	350
Olifants River Mouth (South Bank)	31421812	Kevin Shaw	753
Oudtshoorn Sewage Works	33372214	Ian Mileham	175
Paardevlei Dam	34051849	Gavin Lamont	177
Paarl Bird Sanctuary	33411858	Yvonne Weiss	2114
Potgieter Dam	33382209	Ian Mileham	151
Raapenberg Bird Sanctuary	33561828	Doug Harebottle	297
Radyn Dam	33181845	Otto Schimdt	111
Rietvlei Wetland Reserve	33511829	Koos Retief	1034
Rocher Pan	32361818	Kevin Shaw	965
Rondevlei Nature Reserve	34041830	Dalton Gibbs	328
Sient Farm Dam	33381849	Judy New	593
Springfontein Dam	32192238	Japie Claassen	699
Steenbras Dam	34101854	Gavin Lamont	1185
Stompdrift Dam	33372237	Ian Mileham	326
Strandfontein Sewage Works	34051831	Dick Barnes	8781
Swartkop se Dam	33061946	Helm van Zijl	109
Theewaterskloof Dam	34021913	Gerry Jooste	1285
Verkeerdevlei	33192052	Helm van Zijl	24
Verlorenvlei	32201825	Kevin Shaw	2688
Vermont Salt Pan	34251910	Mike Ford	74
Voëlvlei	34162149	Joy van Korff	24
Wadrif Saltpan	32131821	Kevin Shaw	714
Wellington Waste Water Works	33391858	Johan Rousseau	398
Westlake Wetlands	34071827	Brian Herman	31
Wilderness Lakes: Swartvlei Syste	34002245	Ian Russell	9369
Wilderness Lakes: Touw System	33592240	Ian Russell	7870
Wildevoeëlvlei	34081821	Eric Barnes	346
Zandvlei: Lower Estuary	34071828	Brian Herman	736
Zandvlei: Upper Estuary	34061828	Brian Herman	279
TOTAL			70223
* outstanding			

NORTHERN CAPE	Site code	Compiler	Count
Bosduiwekop Dam	30152445	Jannie Venter	594
Dampoort Dam	28112429	Mark Anderson	180
Danielskuil Dams	28112333	Mark Anderson	22
De Aar Sewage Works	30412402	Francois Taljaard	40
Espagsdrift Vlei	27562444	Mark Anderson	116
Ganspan A	27562445	Mark Anderson	179
Ganspan B	27542447	Mark Anderson	1066
Grootpan	28182335	Mark Anderson	0
Hanskopfontein Pan	28282448	Mark Anderson	0
Holpan/Graspan Pans	28412426	Mark Anderson	0
Hopetown Sewage Works	29422405	Ronelle Visagie	74
Kafferspoort Dam	30552416	Francois Taljaard	253
Kamfers Dam	28402446	Mark Anderson	9926
Klipkolk Farm Dam	26522005	Ben von Wielligh	222
Kraankuil Dam Weir	29522413	Ronelle Visagie	135
Kraankuil Dam	29522412	Ronelle Visagie	26
Marrick Pan	28462436	Mark Anderson	0
Nantwich Saltpan	28292446	Mark Anderson	23
Nuwejaarsfontein Farm Dam	30512359	Mark Anderson	16
Orange River Estuary 1	28381627	Mark Anderson	5632
Orange River: Brandkaros-Hohenfels 1	28341635	Mark Anderson	288
Orange River: Hohenfels-Bridge 1	28301639	Mark Anderson	465
Platfontein Pans	28392437	Mark Anderson	0
Pudu Farm Dam	27482244	Mark Anderson	0
Rooifontein Pan	28482449	Werner Sinclair	164
Rooipan	28222335	Mark Anderson	0
Sakrivierspoort Wetlands	31502208	Japie Claassen	556
So Ver Myn Dam	28132431	Mark Anderson	1484
Soutpan	28262347	Mark Anderson	8
Springbok Sewage Works	29401753	Enrico Oosthuysen	191
Strydenburg Pan	29562341	Ronelle Visagie	0
Vaalharts Weir	28072455	Mark Anderson	2277
Vanderkloof Dam (Seekoei River Tributary)	30202500	Jannie Venter	116
Volstruis Pan	28402410	Mark Anderson	0
Wortelfontein Dam	31082408	Francois Taljaard	173
TOTAL			24226

¹ Thanks also to Cornè Anderson, Holger Kolberg, Patrick Lane and Francois Taljaard for their assistance.



MPUMALANGA	Site code	Compiler	Count
Amot Pan	25462946	Woden Odendaal	689
Amot Vlei	25462947	Woden Odendaal	59
Blaauwwater Pan	26173016	Woden Odendaal	90
Blinkpan (Amot)	25542953	Woden Odendaal	1072
Blinkpan Oranje	26032931	Woden Odendaal	698
Bosmansfontein Pan	26062941	Ken Hattingh	842
Bosmanskrans Spruit	25592920	Woden Odendaal	523
Bosmanslaagte Pan	26072942	Ken Hattingh	373
Bosmanspoort Dam	26052941	Ken Hattingh	57
Breyten Pan	26183000	Woden Odendaal	957
Coetzerspruit	25552936	Ken Hattingh	136
Coetzerspruit (source of)	26032934	Woden Odendaal	478
Goedehoop Pan 3	26193017	Woden Odendaal	244
Goedehoop Pans 1&2	26203018	Woden Odendaal	342
Goedenhoop Pan	25552928	Ken Hattingh	1164
Groot Riet Pan	25572937	Ken Hattingh	69
Grootpan	25552954	Woden Odendaal	2141
Hendrina Municipal Dam	26092944	Ken Hattingh	75
Kanhym Pan 1	25502931	Ken Hattingh	378
Kanhym Pan 2	25512941	Ken Hattingh	1807
Kanhym Pan 3	25522932	Ken Hattingh	941
Kanhym Pan 4	25512933	Ken Hattingh	1054
Klein Riet Pan	25562940	Ken Hattingh	178
Kwena Dam	25213022	Lientjie Cohen	1164
Lake Banagher (East)	26203022	Woden Odendaal	112
Lake Banagher (Proper)	26213022	Woden Odendaal	505
Lake Banagher (West)	26203021	Woden Odendaal	575
Lake Chrissie 92 IT	26193013	Woden Odendaal	77
Lakenvlei (East)	25353006	David Gaynor	534
Leeuwpans	26352857	Piet van der Westhuizen	1394
Lemoenfontein Dam 1	25482940	Ken Hattingh	1063
Lemoenfontein Dam 2	25472939	Ken Hattingh	57
Lemoenfontein Dam 3	25472941	Ken Hattingh	417
Lemoenfontein Pan	25472938	Woden Odendaal	1070
Loskop Dam	25262919	Lientjie Cohen	865
Lydenburg Fisheries	25073028	Lientjie Cohen	92
Masibekela Wetlands	25533150	Lientjie Cohen	577
Mavella Pan	25542924	Woden Odendaal	59
Middelburg Dam	25482933	Kassie Kasselmar	*
Mooiplaats Pan	26173007	Woden Odendaal	207
Nooitgedacht Pan	25442947	Woden Odendaal	666
Ogies Pans	26052904	Andy McLetchie	227
Oranje Pan	26012932	Woden Odendaal	225
Oranjevallei Pan	26122945	Ken Hattingh	541
Otter Pan	25552956	Woden Odendaal	748
Rustig Dam	25462936	Woden Odendaal	116
Rustig North Pan	25442936	Woden Odendaal	1594
Rustig Pan	25452936	Woden Odendaal	1061
Simonsdal Pan	26173009	Woden Odendaal	81
Swadini Dam	24333048	Marius Smit	145
TNC Proposed Bird Sanctuary	26082922	Ken Hattingh	372
Witbank Dam	25532918	Woden Odendaal	2240
TOTAL			31151
* outstanding			

KWAZULU-NATAL	Site code	Compiler	Count
Albert Falls Dam	29263024	Shirley Bennett	214
Banzi Pan (Ndumo)	26523217	Robert Kyle	41
Blood River Vlei	27503035	Duncan Mckenzie	4896
Chelmsford Dam	27572957	Ken Gordon	*
Dieu Donne Farm Dam	29292941	John Crowson	435
Durban Bayhead	29533101	Roy Cowgill	71
Goedetrouw Dam	28463124	Duncan Pritchard	259
Harding Dam	30342952	John Howe	304
Hlatikulu Valley	29152941	Brent Coverdale	1456
Klipfontein Bird Sanctuary	27483048	Duncan Mckenzie	564
Kosi Bay Lake System	26583250	Robert Kyle	382
Kudu Pan	28273246	Caroline Fox	164
Lake Eteza	28213209	Caroline Fox	96
Lake Nhlabane	28383217	Pete Outhwaite	445
Lake Mfutululu	28253215	Caroline Fox	197
Lake Mzingazi	28453207	Pete Outhwaite	749
Lake Nsezi	28443159	Pete Outhwaite	124
Lake Cubhu	28513158	Pete Outhwaite	289
Lake St Lucia	28043227	Caroline Fox	2889
Malandeni Sewage Works	28342948	Ken Gordon	2118
Mavuya Pan	28303212	Caroline Fox	579
Mbozambo Waste Water Lagoon	29173117	Iain Kerr	503
Mfazana Pans	28153228	Caroline Fox	80
Mfula Pan	27373233	Lynne Booth	2
Midmar Dam (Reserve only)	29313011	Shirley Bennett	482
Mtwalume River Estuary	30283038	John Howe	125
Neshe Pan	27393224	Lynne Booth	796
Nhlonhlela Pan	27363212	Lynne Booth	18
Northern Treatment Works	29483100	Richard Boon	524
Nseleni River	28403200	Pete Outhwaite	178
Nsumu Pan	27403219	Lynne Booth	469
Nyamithi Pan (Ndumo)	26533218	Robert Kyle	169
Pongolapoort Dam	27253158	Lynne Booth	2804
Reichenau Mission Dam	29482938	Brian Murray	684
Richards Bay Wetlands	28493202	Pete Outhwaite	1262
Scafell Farm Dam	29422926	John Crowson	49
Shokwe Pan (Ndumo)	26533213	Robert Kyle	69
Spioenkop Dam	28412929	Ken Gordon	*
St Lucia Sewage Works	28233225	Caroline Fox	18
Thulazihleka Pan	28473203	Pete Outhwaite	2699
Tshanetshe Pan	27403226	Lynne Booth	56
Two Pans	28263217	Caroline Fox	56
Umgeni River Estuary	29493102	Steve Davis	356
Umvoti River Estuary	29233121	Shirley Jex	445
Waterford Farm Dams	29512919	John Crowson	696
Watermead Dam	29502935	Brian Murray	558
Yengweni Pan	27393226	Lynne Booth	366
TOTAL			29736
* outstanding			

TOTAL SOUTH AFRICA			290 130
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