



Wetland site	Maximum numbers (species richness) of wetland birds	Reference
Walvis Bay, Namibia	242,920 (51)	Wearne and Underhill (2005)
Sandwich Harbour, Namibia	401,806 (50)	Simmons et al. (2015)
Langebaan Lagoon, South Africa	38,901	Taylor et al. 1999
Swartkops River Estuary, South Africa	14,730	Taylor et al. 1999
Voëlvlei, Mossel Bay, South Africa	12,021	Taylor et al. 1999
Berg River Estuary, South Africa	11,614	Taylor et al. 1999
Baia dos Tigres, Angola	11,000 (25)	Simmons et al. 2006
Lake St Lucia, KZN	9,594	Taylor et al. 1999
Rietylei. Cape Town	6,130	Teules et el 2000

Wetland site	Median numbers of wetland birds Summer : Winter	Number of counts and Reference
Walvis Bay Lagoon	155, 862 : 81, 854	N = 31, 31 (Wearne and Underhill 200 Simmons et al. 2015)
Sandwich Harbour	96,146 : 52,386	N = 23, 24 (Simmons et al. 2015)







The overall numbers of birds at Walvis Bay ha tot declined in 30 years. Summer counts (black lines) show median ralues of 96 150 birds. Therefore the declines in the lagoon are <u>not</u> elated to any long-term declines in the bay itse
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ons RE, Kolberg H, Braby R, Erni B. 2015. Declines in migrant
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Potential reasons for reduced bird numbers in the lagoon therefore are through:

- sedimentation (reduced water flow into the lagoon and reduced tidal flushing),
 wind-borne sand from the eastern dune field
 pollution (fish oils, bilge water, oil spillage).
- Biological surveys in the lagoon....
 Engolmar and Sell (2013) found sedimentation and a layer of 20-50 cm of "oil-like black substance" at the southern end of the lagoon. They believed this to be sediments and or matter brought in from the bay on the high tide, but not taken out by the ebb tide.
- Unam (2013) also found biologically "dead zones" in the They concurred with the conclusion of Currie (1997, p8) the biota is to maintain tidal flux; the lacoon must provide the

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14/06/17

