**APPENDIX S3** Data sources and references used to obtain modern sperm whale occurrence records and survey effort

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| --- | --- | --- | --- | --- | --- |
| Source  | Description  | General area of survey | Timeframe | Number of sperm whale records | Sampling effort available? |
| Census of Marine Life Yankee Whaler database (Smith et al. 2012). | Distribution of right whales, humpback whales, and sperm whales derived from logbook records of American whaling ships. | Opportunistic data from Indian Ocean | 1792 - 1912 | 601 | No |
| REMMOA: Census of marine mammals and other pelagic megafauna by aerial survey (Mannocci et al. 2013) | Aerial transect of six survey blocks that were selected based on ecosystemic and logistical grounds.  | Southwest Indian Ocean  | Austral summer of2009 - 2010 | 46 | Yes |
| Ocean Alliance (Wise et al. 2009, de Vos et al. 2012) | Collected cetacean identifications along established route through visual and acoustic observation from research vessel during daylight hours. | Isolated data from West Indian Ocean | 2002 - 2004 | 96 | Yes |
| MRAG (SFPO)BIOT Patrol  | Opportunistic visual data collection along patrol route during different time frames. | Chagos Archipelago  | 2015 - 2019 | 1 | No |
| NOAA (National Oceanic and Atmospheric Administration; Ballance & Pitman 1998, Ballance 1996, 2001) | Collected visual data on cetacean distribution and abundance using line transect methodology.  | West Indian Ocean | 1995 | 102 | Yes |
| De Boer (De Boer 2000) | Collected cetacean identifications along established route through visual observation from research vessel during daylight hours. | Mauritius | 1999 | 2 | No |

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