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- Whitlock, P.A. & K.L. Pendoley. 2012. It starts with one: Delineation of foraging and mating habitats used by a flatback turtle in Western Australia. In: *Proceedings of the First Western Australian Marine Turtle Symposium, 28-29th August 2012*. (eds. Prince, R., S. Whiting, H. Raudino, A. Vitenbergs & K.L. Pendoley). Science Division, Department of Parks and Wildlife, Perth WA, Australia. Pp 40.
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- Whitlock, P.A., K.L. Pendoley & M. Hamann. 2016b. Using habitat suitability models in an industrial setting: The case for inter-nesting flatback turtles. *Ecosphere* 7: e01551.
- Whitlock, P.A., K.L. Pendoley, R. Larsen & M. Hamann. 2017. Effects of a dredging operation on the movement and dive behaviour of marine turtles during breeding. *Biological Conservation* 206: 190-200.
- Wirsing, A.J., K. Crane, M.R. Heithaus, D. Charles, & L.M. Dill. 2004. Pilot study of loggerhead turtles in the Shark Bay World Heritage Area: Movements and community based conservation. Final report to the Department of the Environment and Heritage. Shark Bay District, Department of Conservation and Land Management, Western Australia.

AN ANNOTATED BIBLIOGRAPHY AND SUMMARY OF SEA TURTLE SATELLITE TELEMETRY STUDIES CONDUCTED THROUGHOUT THE INDIAN OCEAN AND SOUTH EAST ASIA

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To supplement the study descriptions, findings and analyses published in the satellite telemetry special issues of the Indian Ocean Turtle Newsletter (Issue 28 and 29), we compiled the bibliography below of all published studies for the Indian Ocean and South East Asia. Studies not discussed in a broader context by the contributed papers of Antonopoulou & Pilcher (2018), Hays *et al.* (2018), Mancini *et al.* (2018), Pilcher *et al.* (2019), Rees *et al.* (2018a,b) Richardson (2019), Robinson *et al.* (2018), Swaminathan *et al.* (2019), Tiwari *et al.* (2018) and Waayers *et al.* (2019) have been annotated. Table 1 presents the species and life stage tracked in each study, and Table 2 a summary of the proportion of tracking studies by region, species, and life stage and activity.

Antonopoulou, M. & N.J. Pilcher. 2018. Marine Turtle Conservation Project: Monitoring hawksbill nesting populations in the Arabian region. *Indian Ocean Turtle Newsletter* 28: 15-20.

Attum, O., A. Kramer, T. Mahmoud & M. Fouda. 2014. Post-nesting migration patterns of green turtles (*Chelonia mydas*) from the Egyptian Red Sea. *Zoology in the Middle East* 60: 299-305.

See Mancini *et al.* (2018) for overview

Bali, J., H.C. Liew, E.H. Chan & O.B. Tisen. 2002. Long distance migration of green turtles from the

Sarawak Turtle Islands, Malaysia. In: *Proceedings of the Twentieth Annual Symposium on Sea Turtle Biology and Conservation* (comps. Mosier, A., A. Foley & B. Brost). NOAA Technical Memorandum NMFS-SEFSC-447. Pp 32-33.

See Pilcher *et al.* (2019) for overview

Behera, S., B. Tripathy, B.C. Choudhury & K. Sivakumar. 2018. Movements of olive ridley turtles (*Lepidochelys olivacea*) in the Bay of Bengal, India, determined by satellite telemetry. *Chelonian Conservation and Biology* 17: 44-53.

Satellite transmitters were applied to 11 female and three male olive ridley turtles at Gahirmatha during the mating and nesting season. Resulting tracks did not indicate common migratory corridors or feeding grounds, and turtles passed through both inshore and oceanic waters. Ten of the tracked turtles appeared to use multiple foraging grounds in the open ocean rather than consistently feeding in the same area. The authors conclude that the entire Bay of Bengal may be an important area to protect for olive ridley turtles. Some of the tracks described in this paper may also be reported in Sivakumar *et al.* (2010).

Bourjea, J., J.A. Mortimer, J. Garnier, G. Okema, B.J. Godley, G. Hughes, M. Dalleau, C. Jean, S. Ciccione & D. Muths. 2015. Population structure enhances perspectives on regional management of the western Indian Ocean green turtle. *Conservation Genetics* 16: 1069-1083.

Post-nesting tracks of four green turtles in the Amirantes Islands revealed limited distribution and supported genetic data indicating limited links with other green turtle stocks in the South West Indian Ocean.

Christiansen, F., N. Esteban, J.A. Mortimer, A.M. Dujon & G.C. Hays. 2017. Diel and seasonal patterns in activity and home range size of green turtles on their foraging grounds revealed by extended Fastloc GPS tracking. *Marine Biology* 164: 10.

See Hays *et al.* (2018) for overview

Dalleau, M., S. Benhamou, J. Sudre, S. Ciccione & J. Bourjea. 2014. The spatial ecology of juvenile loggerhead turtles (*Caretta caretta*) in the Indian Ocean sheds light on the “lost years” mystery. *Marine Biology* 161: 1835-1849.

Eighteen juvenile loggerhead turtles, caught as bycatch and released after rehabilitation, were

tracked from Reunion Island to determine oceanic movements. Trans-oceanic and trans-equatorial migrations were recorded. Links to foraging areas used by turtles nesting in Oman were confirmed.

Esteban, N., J.A. Mortimer & G.C. Hays. 2017. How numbers of nesting sea turtles can be over-estimated by nearly a factor of two. *Proceedings of the Royal Society B: Biological Sciences*. 284: 20162581.

See Hays *et al.* (2018) for overview

Esteban, N., R.K.F. Unsworth, J.B.Q. Gourlay & G.C. Hays. 2018. The discovery of deep-water seagrass meadows in a pristine Indian Ocean wilderness revealed by tracking green turtles. *Marine Pollution Biology* 134: 99-105.

To locate seagrass meadows anecdotally reported from the Great Chagos Bank, nesting green sea turtles (n=18) at Diego Garcia in the Chagos Archipelago were equipped with satellite transmitters at the end of the nesting season and tracked as they migrated to their foraging grounds. Four such animals travelled to the Great Chagos Bank, from where their repeat locations were surveyed to describe seagrass assemblages. See also Hays *et al.* (2014).

Garnier, J., N. Hill, A. Guissamulo, I. Silva, M. Witt & B. Godley. 2012. Status and community-based conservation of marine turtles in the northern Querimbas Islands (Mozambique). *Oryx* 46: 359-367.

To study nesting and migration patterns, four nesting green turtles were tracked to their foraging grounds in Tanzania, Kenya and Madagascar. Migration paths passed through coastal and oceanic waters in up to seven marine conservation areas across the four countries.

Galli, S., P. Gaspar, S. Fossette, B. Calmettes, G.C. Hays, J.R.E. Lutjeharms & P. Luschi. 2012. Orientation of migrating leatherback turtles in relation to ocean currents. *Animal Behaviour* 84: 1491-1500.

See Robinson *et al.* (2018) for overview

Hamel, M.A., C.R. McMahon & C. Bradshaw. 2008. Flexible inter-nesting behaviour of generalist olive ridley turtles in Australia. *Journal of Experimental Marine Biology and Ecology* 359: 47-54.

See Waayers *et al.* (2019) for overview

Harris, L.R., R. Nel, H. Oosthuizen, M. Meÿer, D. Kotze, D. Anders, S. McCue & S. Bachoo. 2015. Paper-efficient

multi-species conservation and management are not always field-effective: The status and future of Western Indian Ocean leatherbacks. *Biological Conservation* 191: 383-390.

See Robinson *et al.* (2018) for overview

Harris, L.R., R. Nel, H. Oosthuizen, M. Meÿer, D. Kotze, D. Anders, S. McCue & S. Bachoo. 2017. Managing conflicts between economic activities and threatened migratory marine species toward creating a multiobjective blue economy. *Conservation Biology* 32: 411-423.

See Robinson *et al.* (2018) for overview

Hays, G.C., J.A. Mortimer & N. Esteban. 2018. Satellite tracking green turtles in the Chagos Islands. *Indian Ocean Turtle Newsletter* 28: 8-10.

Hays, G.C., J.A. Mortimer, D. Ierodiaconou & N. Esteban. 2014. Use of long-distance migration patterns of an endangered species to inform conservation planning for the world's largest marine protected area. *Conservation Biology* 28: 1636-1644.

See Hays *et al.* (2018) for overview

Hitipeuw, C., P.H. Dutton, S. Benson, J. Thebu & J. Bakarbesy. 2007. Population status and interesting movement of leatherback turtles, *Dermochelys coarctata*, nesting on the northwest coast of Papua, Indonesia. *Chelonian Conservation and Biology* 6: 28-36.

The inter-nesting tracks of 10 leatherback turtles revealed use of nearshore waters adjacent to the nesting beach and within the archipelago. Some tracked turtles nested at other beaches during the study, and the authors recommended this be taken into consideration when planning protected marine areas.

Hoenner, X., S.D. Whiting, M. Hamann, C.J. Limpus, M.A. Hindell & C.R. McMahon. 2015. High-resolution movements of critically endangered hawksbill turtles help elucidate conservation requirements in northern Australia. *Marine and Freshwater Research* 67: 1263-1278.

See Waayers *et al.* (2019) for overview

Hughes, G.R., P. Luschi, R. Mencacci & F. Papi. 1998. The 7000-km oceanic journey of a leatherback turtle tracked by satellite. *Journal of Experimental Marine*

Biology and Ecology 229: 209-217.

See Robinson *et al.* (2018) for overview

Khan, A. 2013. Pakistan Wetlands Programme's marine turtle conservation efforts on Daran Beach, Jiwani, Pakistan. *Indian Ocean Turtle Newsletter* 17: 26-30.

Post-nesting green turtles (n=15) were tracked from Daran Beach, Pakistan. Three turtles were presumed to have been picked up by boats (as indicated by straight track lines for several days to arrive in Gulf States), but natural movements of the remaining twelve turtles were recorded. Turtles were tracked within Pakistani waters as well as to India, Iran, Qatar and the United Arab Emirates.

Kennett, R., N. Munungurritj & D. Yunupingu. 2004. Migration patterns of marine turtles in the Gulf of Carpentaria, northern Australia: Implications for Aboriginal management. *Wildlife Research* 31: 241-248.

See Waayers *et al.* (2019) for overview

Lambardi, P., J.R.E. Lutjeharms, R. Mencacci, G.C. Hays & P. Luschi. 2008. Influence of ocean currents on long-distance movement of leatherback sea turtles in the Southwest Indian Ocean. *Marine Ecology Progress Series* 353: 289-301.

See Robinson *et al.* (2018) for overview

Lambert, K., X. Hoenner, G. Enever, P. Mamarilka, S. Lalara, R. Lalara, C.R. McMahon & S.D. Whiting. 2015. Satellite tracking of hawksbill turtles on Groote Eylandt. In: *Proceedings of the Second Australian and Second Western Australian Marine Turtle Symposia, Perth, 25-27 August 2014.* (eds. Whiting, S.D. & T. Tucker). Department of Environment and Conservation, Perth WA, Australia. Pp 54-56.

See Waayers *et al.* (2019) for overview

Lau, M.M., S. Ruqaiyah, A. Devadasan, G.S. Duraisingham & R. Zulkifli. 2009. Satellite tracking of green turtles and hawksbill turtles in Peninsular Malaysia by WWF- Malaysia. In: *Report on the Third Technical Consultation on Research for Stock Enhancement of Sea Turtles (Japanese Trust Fund IV Program)* (eds. Abdul Kadir S.A.S. & O. Abe). SEAFDEC-MFRDMD/RM/24. Pp 101-114.

See Pilcher *et al.* (2019) for overview

Liew H.C., J. Joseph, E.H. Chan, S.N. Ali & L.H. Sebastian. 2012. How do captive-raised hawksbill turtles perform when released back into the wild? In: *Proceedings of the 31st International Sea Turtle Symposium on Sea Turtle Biology and Conservation* (comps. Jones, T.T. & B.P. Wallace). NOAA Technical Memorandum NMFS-SEFSC-631. Pp 195.

See Pilcher *et al.* (2019) for overview

Luschi, P., G.R. Hughes, R. Mencacci, E. De Bernardi, A. Sale, R. Broker, M. Bouwer & F. Papi. 2003a. Satellite tracking of migrating loggerhead sea turtles (*Caretta caretta*) displaced in the open sea. *Marine Biology* 143: 793-801.

See Robinson *et al.* (2018) for overview

Luschi, P., J.R. Lutjeharms, P. Lambardi, R. Mencacci, G.R. Hughes & G.C. Hays. 2006. A review of migratory behaviour of sea turtles off southeastern Africa. *South African Journal of Science* 102: 51-58.

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See Robinson *et al.* (2018) for overview

Mancini, A., O. Attum, I. Elsadek & A.F. Rees. 2018. Satellite tracking studies show nesting site in Egypt is hub for adult green turtles of the Red Sea. *Indian Ocean Turtle Newsletter* 28: 10-12.

Mau, R., B. Halkyard, C. Smallwood & J. Downs. 2012. Critical habitats and migratory routes of tagged loggerhead turtles (*Caretta caretta*) after nesting at Ningaloo Reef, Western Australia. In: *Proceedings of the First Western Australian Marine Turtle Symposium, 28-29th August 2012*. (eds. Prince, R., S. Whiting, H. Raudino, A. Vitenbergs & K.L. Pendoley). Science Division, Department of Parks and Wildlife, Perth WA, Australia. Pp 14.

See Waayers *et al.* (2019) for overview

McMahon, C.R., C.J. Bradshaw & G.C. Hays. 2007. Satellite tracking reveals unusual diving characteristics for a marine reptile, the olive ridley turtle *Lepidochelys olivacea*. *Marine Ecology Progress Series* 329: 239-252.

See Waayers *et al.* (2019) for overview

Namboothri, N., A. Swaminathan, B.C. Choudhury & K. Shanker. 2012. Post-nesting migratory routes of leatherback turtles from Little Andaman Island. *Indian Ocean Turtle Newsletter* 16: 21-23.

See Swaminathan *et al.* (2019) for overview

Pandav, B. & B.C. Choudhury. 2006. Migration and movement of olive ridleys along the east coast of India. In: *Marine Turtles of the Indian Subcontinent* (eds. Shanker, K. & B.C. Choudhury). Pp 365-379. Universities Press (India): Hyderabad, India.

Describes tracks first reported in Shanker *et al.* (2003).

Papi, F., P. Luschi, E. Crosio & G.R. Hughes. 1997. Satellite tracking experiments on the navigational ability and migratory behaviour of the loggerhead turtle *Caretta caretta*. *Marine Biology* 129: 215-220.

See Robinson *et al.* (2018) for overview

Pendoley, K.L., G. Schofield, P.A. Whittock, D. Ierodiaconou & G.C. Hays. 2014. Protected species use of a coastal marine migratory corridor connecting marine protected areas. *Marine Biology* 161: 1455-1466.

See Waayers *et al.* (2019) for overview

Pelletier, D., D. Roos & S. Ciccione. 2003. Oceanic survival and movements of wild and captive-reared immature green turtles (*Chelonia mydas*) in the Indian Ocean. *Aquatic Living Resources* 16: 35-41.

Captive-reared and rehabilitated, wild green turtles were tracked from different islands in the South West Indian Ocean to investigate oceanic movements of juvenile turtles. Wild turtles remained close to the release site, while captive-reared turtles demonstrated long-distance migrations. The authors infer that differences in behaviour between the groups may represent stage-specific habitat requirements.

Pilcher, N.J., L. Perry, M. Antonopoulou, M.A. Abdel-Moati, T.Z. Al Abdessalaam, M. Albeldawi, M. Al Ansi, S.F. Al Mohannadi, R. Baldwin, A. Chikhi, H.S. Das, S. Hamza, O.J. Kerr, A. Al Kiyumi, A. Mobaraki, H.S. Al Suwaidi, A.S. Al Suweidi, M. Sawaf, C. Tourenq, J. Williams, J. & A. Willson. 2014a. Short-term behavioural responses to thermal stress by hawksbill turtles in the Arabian region. *Journal of Experimental*

Marine Biology and Ecology 457: 190-198.

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Pilcher, N.J., M. Antonopoulou, L. Perry, M.A. Abdel-Moati, T.Z. Al Abdessalaam, M. Albeldawi, M. Al Ansi, S.F. Al Mohannadi, N. Al Zahlawi, R. Baldwin, A. Chikhi, H.S. Das, S. Hamza, O.J. Kerr, A. Al Kiyumi, A. Mobaraki, H.S. Al Suwaidi, A.S. Al Suweidi, M. Sawaf, C. Tourenq, J. Williams & A. Willson. 2014b. Identification of Important Sea Turtle Areas (ITAs) for hawksbill turtles in the Arabian Region. *Journal of Experimental Marine Biology and Ecology* 460: 89-99.

See Antonopoulou & Pilcher (2018) for overview

Pilcher, N.J., J. Bali, J. Buis, E.H. Chan, A. Devadasan, I. Isnain, N.H. binti Jamil, J. Joseph, M.M. Lau, L.H. Chark, S.A. bin Syed Abdul Kadir, S. Ruqaiyah, O.B. Tisen, J.P. van de Merwe & J. Williams. 2019. An overview of sea turtle satellite tracking in Malaysia. *Indian Ocean Turtle Newsletter* 29: 11-22.

Rees, A.F., A. Al-Hafez, J.R. Lloyd, N. Papathanasopoulou. 2013. Green turtles, *Chelonia mydas*, in Kuwait: Nesting and movements. *Chelonian Conservation and Biology* 12: 157-163.

See Rees *et al.* (2018b) for overview

Rees A.F., A. Al-Kiyumi, A.C. Broderick, N. Papathanasopoulou & B.J. Godley. 2012a. Conservation related insights into the behaviour of the olive ridley sea turtle *Lepidochelys olivacea* nesting in Oman. *Marine Ecology Progress Series* 450: 195-205.

See Rees *et al.* (2018a) for overview

Rees A.F., A. Al-Kiyumi, A.C. Broderick, N. Papathanasopoulou & B.J. Godley. 2012b. Each to their own: Inter-specific differences in migrations of Masirah Island turtles. *Chelonian Conservation and Biology* 11: 243-248.

See Rees *et al.* (2018a) for overview

Rees, A.F., A. Al Kiyumi, N. Papathanasopoulou & B.J. Godley. 2018a. The *Masirah Turtle Conservation Project: The first turtle tracking on Masirah Island, Oman*. *Indian Ocean Turtle Newsletter* 28: 12-15..

Rees, A.F., S. Al Saady, A.C. Broderick, M.S. Coyne, N. Papathanasopoulou & B.J. Godley. 2010. Behavioural polymorphism in one of the world's largest populations

of loggerhead sea turtles *Caretta caretta*. *Marine Ecology Progress Series* 418: 201-212.

See Rees *et al.* (2018a) for overview

Rees, A.F., N. Papathanasopoulou & B.J. Godley. 2018b. Tracking hawksbill and green sea turtles in Kuwait reveals variability in migratory and residency strategies. *Indian Ocean Turtle Newsletter* 28: 23-26.

Richardson, P.B. 2019. Where do they go? Satellite tracking of nesting turtles in Sri Lanka. *Indian Ocean Turtle Newsletter* 29: 5-8.

Richardson, P.B., A.C. Broderick, M.S. Coyne, L. Ekanayake, T. Kapurusinghe, C. Premakumara, S. Ranger, M.M. Saman, M.J. Witt & B.J. Godley. 2013. Satellite telemetry reveals behavioural plasticity in a green turtle population nesting in Sri Lanka. *Marine Biology* 160: 1415-1426.

See Richardson (2019) for overview

Robinson, D.P., R.W. Jabado, C.A. Rohner, S.J. Pierce, K.P. Hyland & W.R. Baverstock. 2017a. Satellite tagging of rehabilitated green sea turtles *Chelonia mydas* from the United Arab Emirates, including the longest tracked journey for the species. *PLoS ONE* 12: e0184286.

Green sea turtles, rehabilitated and released off the coast of the United Arab Emirates, utilised shallow water habitats in the same general vicinity of where they had stranded. One adult female swam to the Andaman Sea, in what is believed to be the longest published track for the species of >8,000km.

Robinson, N.J., D. Anders, S. Bachoo, L. Harris, G.R. Hughes, D. Kotzke, S. Maduray, S. McCue, M. Meyer, H. Oosthuizen, F.V. Paladino & P. Luschi. 2018. Satellite tracking of leatherback and loggerhead sea turtles on the southeast African coastline. *Indian Ocean Turtle Newsletter* 28: 3-7.

Robinson, N.J., S.J. Morreale, R. Nel & F.V. Paladino. 2016. Coastal leatherback turtles reveal conservation hotspot. *Scientific Reports* 6: 37851.

See Robinson *et al.* (2019) for overview

Robinson, N.J., S.J. Morreale, R. Nel & F.V. Paladino. 2017b. Movements and diving behaviour of inter-nesting leatherback turtles in an oceanographically dynamic habitat in South Africa. *Marine Ecology*

Progress Series 571: 221-232.

See Robinson *et al.* (2019) for overview

Sale, A., P. Luschi, R. Mencacci, P. Lambardi, G.R. Hughes, G.C. Hays, S. Benvenuti & F. Papi. 2006. Long-term monitoring of leatherback turtle diving behaviour during oceanic movements. *Journal of Experimental Marine Biology and Ecology* 328: 197-210.

See Robinson *et al.* (2018) for overview

Sasimal, S.K. & R.C. Panigraphy. 2006. Influence of eddies on the migratory routes of the sea turtles in the Bay of Bengal. *International Journal of Remote Sensing* 27: 3115-3122.

This study examines the olive ridley turtle tracks originally described by Shanker *et al.* (2003) with reference to sea surface temperature, chlorophyll-*a* and mean sea level anomaly. Eddies were determined to influence the migration of olive ridley turtles in the western Bay of Bengal.

Shanker, K., B.C. Choudhury, B. Pandav, B. Tripathy, C.S. Kar, S.K. Car, N.K. Gupta & J.G. Frazier. 2002. Tracking olive ridley turtles from Orissa. In: *Proceedings of the Twenty-Second Annual Symposium on Sea Turtle Biology and Conservation* (comp. Seminoff, J.A.) NOAA Technical Memorandum NMFS-SEFSC-503. Pp. 50-51.

Of four olive ridley turtles tracked from their *arribada* nesting beach south of Devi River mouth, three moved into waters off the coast of Orissa and Andhra Pradesh and one migrated south to Sri Lanka. End points for the turtles could not be confirmed, as the sudden stop in transmissions suggested fishery-related mortality. (See also Pandav & Choudhury, 2006.)

Sivakumar, K., B.C. Choudhury & S.R.B. Dissanayake. 2010. Joint turtle conservation programme of Sri Lanka and India: Sea turtles of Sri Lanka, also breeds in India and Maldives. *Wildlife (Journal of Department of Wildlife Conservation, Sri Lanka)* 2010: 18-24.

See Richardson *et al.* (2019) for overview

Sivakumar, K., B.C. Choudhury, R.S. Kumar, B. Tripathy, S.K. Behera, S. Behera, S. John & V.P. Ola. 2010. Application of satellite telemetry technique in sea turtle research in India. In: *Telemetry in Wildlife Science* (eds. Sivakumar, K. & B. Habib). ENVIS Bulletin: Wildlife and Protected Areas Vo. 13. Pp 139-

144. Wildlife Institute of India: Dehradun, India.

In their post-nesting migrations, 30 olive ridley turtles tagged in 2007 at the mass nesting beaches of Gahirmatha, Devi River mouth, Rushikulya used common migratory waters ~200-400km offshore. Turtles originally moved towards the Andaman Sea then shifted south towards Sri Lanka. All tags ceased transmission within 6mo, suggesting fishing-related mortality or tag malfunction or detachment. Reinforcing the tags with additional fibreglass in 2009 resulting in longer transmission times for 32 tagged animals, with the study ongoing at the time of publication. Sivakumar *et al.* (2010) also tracked four olive ridley turtles during their post-nesting migration from beaches in Sri Lanka west towards the Arabian Sea. (Some tracks reported by Sivakumar *et al.* (2010) may also be described in Behera *et al.* (2018).)

Spring, S. & D. Pike. 1998. Tag recovery supports satellite tracking of a green turtle. *Marine Turtle Newsletter* 82: 8.

See Waayers *et al.* (2019) for overview

Swaminathan, A., N. Namboothri & K. Shanker. 2019. Tracking leatherback turtles from Little Andaman Island. *Indian Ocean Turtle Newsletter* 29: 8-10.

Thums, M., D. Waayers, Z. Huang, C. Pattiaratchi, J. Bernus & M. Meekan. 2017. Environmental predictors of foraging and transit behaviour in flatback turtles *Natator depressus*. *Endangered Species Research* 32: 333-349.

See Waayers *et al.* (2019) for overview

Thums, M., J. Rossendell, M. Guinea & L.C. Ferreira. 2018. Horizontal and vertical movement behaviour of adult flatback turtles during the key phases of their life history and overlap with industrial development. *Marine Ecology Progress Series* 602: 237-253.

See Waayers *et al.* (2019) for overview

Tiwari, M., R. Baldwin, A.A. Kiyumi, M.S. Willson, A. Willson & E. Possardt. 2018. Satellite telemetry studies on nesting loggerhead turtles in Oman. *Indian Ocean Turtle Newsletter* 28: 20-22.

Tucker, A.D., R. Baldwin, A. Willson, A. Al Kiyumi, S. Al Harthi, B. Schroeder, E. Possardt & B. Witherington. 2018. Revised clutch frequency estimates for Masirah Island loggerhead turtles (*Caretta caretta*). *Herpetological Conservation and Biology* 13: 158-166.

See Tiwari *et al.* (2018) for overview

van de Merwe, J.P., K. Ibrahim, Y.S. Lee & J.M. Whittier. 2009. Habitat use by green turtles (*Chelonia mydas*) nesting in Peninsular Malaysia: Local and regional conservation implications. *Wildlife Research* 36: 637-645.

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Waayers, D. 2014. Marine turtles. In: *Ecological Studies of the Bonaparte Archipelago and Browse Basin* (eds. Comrie-Greig, J. & L.J. Abdo). Pp 213-272. INPEX Operations Australia Pty Ltd, Perth WA, Australia.

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See Waayers *et al.* (2019) for overview

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Table 1. Numbers of satellite transmitters applied during studies of sea turtles in the Indian Ocean and South East Asia.

Species: Cc- *Caretta caretta* (loggerhead turtle); Cm- *Chelonia mydas* (green turtle); Dc- *Dermochelys coriacea* (leatherback turtle); Ei- *Eretmochelys imbricata* (hawksbill turtle); Nd- *Natator depressus* (flatback turtle); Lo- *Lepidochelys olivacea* (olive ridley turtle)

Life stage: PH- post-hatchling; J- juvenile; SA- sub-adult (male or female); A-M- adult (male); F- foraging; B- breeding; A-F- adult (female); Pn- pre-nesting; IN- inter-nesting; PoN- post-nesting

Other: C- captive reared before tracking; R- rescued/rehabilitated before tracking; D- displaced for study purpose

Region/Citation	Country	Species														Life Stage and Activity										
		Cc	Cm	Dc	Ei	Nd	Lo	PH	J	SA	A-M			A-F		Other										
											F	B	F	PrN	IN	PoN	C	R	D							
South West Indian Ocean																										
Bourjca <i>et al.</i> (2015)	Amirantes Islands		4																							X
Christiansen <i>et al.</i> (2017)	Chagos Archipelago		8																		X					
Dalbeau <i>et al.</i> (2014)	Reunion Island	18																								
Esteban <i>et al.</i> (2017)	Chagos Archipelago		10													X										
Esteban <i>et al.</i> (2018)	Chagos Archipelago		4																							X
Galli <i>et al.</i> (2012)	South Africa			4																						X
Garnier <i>et al.</i> (2012)	Mozambique		4																			X				X
Harris <i>et al.</i> (2015)	South Africa																									X
Harris <i>et al.</i> (2017)	South Africa	20		14																						X
Hays <i>et al.</i> (2014)	Chagos Archipelago		8																						X	
Hughes <i>et al.</i> (1998)	South Africa																									X
Lambardi <i>et al.</i> (2008)	South Africa																									X
Luschi <i>et al.</i> (2003a)	South Africa	5																								X
Luschi <i>et al.</i> (2003b)	South Africa			3																						X
Papi <i>et al.</i> (1997)	South Africa	5																								X
Pelletier <i>et al.</i> (2003)	Reunion, Glorioso, Tromelin & Moheli Is		8																							X
Robinson <i>et al.</i> (2016)	South Africa			16																						X
Robinson <i>et al.</i> (2017b)	South Africa		10																							X
Sale <i>et al.</i> (2006)	South Africa			4																						X
West <i>et al.</i> (2014)	Tanzania		4																							X

Table 1 cont.

Region/Citation	Country	Species											Life Stage and Activity																			
		Cc	Cm	Dc	Ei	Nd	Lo	PH	J	SA	F	B	F	PtN	A-F	IN	PoN	C	R	D	Other											
North West Indian Ocean																																
Attum <i>et al.</i> (2018)	Egypt	4																				x	x									
Plicher <i>et al.</i> (2014b)	Iran			10																					x	x						
Plicher <i>et al.</i> (2014b)	Oman			25																					x	x						
Plicher <i>et al.</i> (2014b)	Qatar			27																					x	x						
Plicher <i>et al.</i> (2014b)	UAE			28																					x	x						
Rees <i>et al.</i> (2010)	Oman	10																							x	x						
Rees <i>et al.</i> (2012a)	Oman					9																			x	x						
Rees <i>et al.</i> (2012b)	Oman		2																							x						
Rees <i>et al.</i> (2013)	Kuwait		3																							x						
Rees <i>et al.</i> (2018)	Kuwait		4																								x					
Robinson <i>et al.</i> (2017a)	UAE		8											x														x				
Tucker <i>et al.</i> (2018)	Oman	34																								x						
South Asia																																
Behera <i>et al.</i> (2018)	India					14																					x					
Khan (2013)	Pakistan		15																													
Namboothri <i>et al.</i> (2012)	Andaman Archipelago			7																								x				
Pandav & Choudhury (2006)	India					4																						x				
Richardson <i>et al.</i> (2013)	Sri Lanka		9																									x				
Sivakumar <i>et al.</i> (2010)	India					62																							x			
Sivakumar <i>et al.</i> (2010)	Sri Lanka		1			4																							x			
Swaminathan <i>et al.</i> (2019)	Andaman Archipelago			3																									x			

Table 1 cont.

Region/Citation	Country	Species																	
		Life Stage and Activity																	
		Cc	Cm	Dc	Ei	Nd	Lo	PH	J	SA	A-M			A-F			Other		
										F	B	F	PrN	IN	PoN	C	R	D	
South East Asia																			
Bali <i>et al.</i> (2002)	Malaysia		4													x			
Hilipeuw <i>et al.</i> (2007)	Indonesia			10										x					
Lau <i>et al.</i> (2009)	Malaysia		39													x			
Liew <i>et al.</i> (2012)	Malaysia				2			x										x	
Plicher <i>et al.</i> (2019)	Malaysia		39		4			x					x					x	
van de Merwe <i>et al.</i> (2009)	Malaysia		4								x		x		X			x	

Table 2.

Species: Cc- *Caretta caretta* (loggerhead turtle); Cm- *Chelonia mydas* (green turtle); Dc- *Dermochelys coriacea* (leatherback turtle); Ei- *Eretmochelys imbricata* (hawksbill turtle); Nd- *Natator depressus* (flatback turtle); Lo- *Lepidochelys olivacea* (olive ridley turtle)

Life stage: PH- post-hatchling; J- juvenile; SA- sub-adult (male or female); A-M- adult (male); F- foraging; B- breeding; A-F- adult (female); PrN- pre-nesting; IN- inter-nesting; PoN- post-nesting

Region	Total Studies	Total Tracks	Proportion of Tracks in Region																
			Species																
			Cc	Cm	Dc	Ei	Nd	Lo	PH	J	SA	A-M			A-F				
										F	B	F	PrN	IN	PoN	C	R	D	
South West Indian Ocean	20	177	27.1	28.8	44.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	25.0	70.0
North West Indian Ocean	9	164	26.8	12.8	0.0	54.9	0.0	5.5	0.0	0.0	11.1	0.0	0.0	0.0	55.6	11.1	66.7	66.7	66.7
South Asia	8	123	0.0	20.3	8.1	0.0	0.0	71.5	0.0	0.0	0.0	0.0	0.0	14.3	14.3	0.0	14.3	100.0	100.0
South East Indian Ocean	23	478	1.9	14.6	0.0	4.8	75.3	3.3	0.0	8.7	0.0	0.0	0.0	52.2	4.3	60.9	65.2	65.2	65.2
South East Asia	6	102	0.0	84.3	9.8	5.9	0.0	0.0	16.7	0.0	0.0	16.7	33.3	0.0	33.3	0.0	33.3	66.7	66.7