

**Migratory Species in the Gulf of Mexico Large Marine Ecosystem: Pathways, Threats & Conservation.**

*Appendix II. Species Data Contributing Researchers and Institutions.*

Contact: [valerie.pietsch@tnc.org](mailto:valerie.pietsch@tnc.org)



Protecting nature. Preserving life.

Suggested citation:

Brenner, J., C. Voight, and D. Mehlman. 2016. Migratory Species in the Gulf of Mexico Large Marine Ecosystem: Pathways, Threats and Conservation. The Nature Conservancy, Arlington, 93 pp.

Note: point = point observation/occurrence record; track = satellite or geolocator track data. See the Methods Chapter for a list of distribution data sources.

Phase II

Species Group	Species	Data File Type	Citation	Institution
Fish	Bluefin tuna	Telemetry Points	Block, Barbara. Hopkins Marine Station, Stanford University. ATN IOOS. 2017. Web Application: Animal Telemetry Network, Integrated Ocean Observing System, National Oceanic and Atmospheric Administration. Retrieved: April 20, 2017, from <a href="http://oceanview.pfeg.noaa.gov/ATN/">http://oceanview.pfeg.noaa.gov/ATN/</a>	ATN (Animal Telemetry Network)
Fish	Bluefin tuna	Telemetry Points	Environmental Response Management Application (ERMA). Web application. Gulf of Mexico. NRDA Workgroup Data. National Oceanic and Atmospheric Administration, 2014. Web. 13 Apr. 2017. <a href="http://response.restoration.noaa.gov/erma">http://response.restoration.noaa.gov/erma</a>	ERMA (Environmental Response Management Application)
Fish	Blue marlin	Telemetry Points	Block, Barbara. Hopkins Marine Station, Stanford University. ATN IOOS. 2017. Web Application: Animal Telemetry Network, Integrated Ocean Observing System, National Oceanic and Atmospheric Administration. Retrieved: April 20, 2017, from <a href="http://oceanview.pfeg.noaa.gov/ATN/">http://oceanview.pfeg.noaa.gov/ATN/</a>	ATN (Animal Telemetry Network)
Fish	Blue marlin	Telemetry Points	Kraus RT, Wells RJD, Rooker JR. (2011). Horizontal movements of Atlantic blue marlin ( <i>Makaira nigricans</i> ) in the Gulf of Mexico. <i>Mar Biol</i> 158: 699–713.	David Wells, Texas A&M Galveston
Fish	Bull Shark	Telemetry Points	Brenner, J., McNulty, V. Migratory Species Conservation Project. The Nature Conservancy. 2017. <a href="http://migratoryblueways.org">http://migratoryblueways.org</a>	The Nature Conservancy: Migratory

				Species Conservation Project
Fish	Bull Shark	Telemetry Points	Hammerschlag, Neil. Shark Research and Conservation Program (SRC). Rosenstiel School of Marine and Atmospheric Science; Abess Center for Ecosystem Science and Policy. University of Miami. 2018. <a href="https://sharkresearch.rsmas.miami.edu/">https://sharkresearch.rsmas.miami.edu/</a>	Neil Hammerschlag, University of Miami Shark Research and Conservation Program
Fish	Cobia	Tag-Recapture Points	Franks, Jim. Gulf Coast Research Laboratory, The University of Southern Mississippi. 2018. <a href="http://gcr1.usm.edu/">http://gcr1.usm.edu/</a>	Jim Franks, Gulf Coast Research Laboratory, The University of Southern Mississippi
Fish	Gulf Sturgeon	Telemetry Points	BP Gulf Science Data. 2016. Data Collection to Determine Potential Exposure and Injuries of Threatened Gulf Sturgeon in Eight River Systems from Louisiana to Florida and Coastal Gulf of Mexico Waters from September 2010 to May 2011 . BP Gulf Science Data.	GRIIDC (Gulf of Mexico Research Initiative Information and Data Cooperative)
Fish	Tiger Shark	Telemetry Points	Hammerschlag, Neil. Shark Research and Conservation Program (SRC). Rosenstiel School of Marine and Atmospheric Science; Abess Center for Ecosystem Science and Policy. University of Miami. 2018. <a href="https://sharkresearch.rsmas.miami.edu/">https://sharkresearch.rsmas.miami.edu/</a>	Neil Hammerschlag, University of Miami Shark Research and Conservation Program
Fish	Tiger Shark	Telemetry Points	Brenner, J., McNulty, V. Migratory Species Conservation Project. The Nature Conservancy. 2017. <a href="http://migratoryblueways.org">http://migratoryblueways.org</a>	The Nature Conservancy: Migratory Species Conservation Project
Fish	Whale Shark	Telemetry Points	Block, Barbara. Hopkins Marine Station, Stanford University. ATN IOOS. 2017. Web Application: Animal Telemetry Network, Integrated Ocean Observing System, National Oceanic and Atmospheric Administration. Retrieved: April 20, 2017, from <a href="http://oceanview.pfeg.noaa.gov/ATN/">http://oceanview.pfeg.noaa.gov/ATN/</a>	ATN (Animal Telemetry Network)
Sea Turtle	Green Sea Turtle	Telemetry Points	Vazquez-Cuevas, M. 2015. Identificación de rutas migratorias, ambitos hogareños interanidatorios y de alimentación de Tortuga blanca y carey post-anidantes en el sur del Golfo de Mexico. Tesis Licenciatura. BUAP.80pp.	Pronatura México
Sea Turtle	Green Sea Turtle	Telemetry Points	Brenner, J., McNulty, V. Migratory Species Conservation Project. The Nature Conservancy. 2017. <a href="http://migratoryblueways.org">http://migratoryblueways.org</a>	The Nature Conservancy Migratory Species Conservation Project
Sea Turtle	Hawksbill Sea Turtle	Telemetry Points	F.G. Moncada, L.A. Hawkes, M.R. Fish, B.J. Godley, S.C. Manolis, Y. Medina, G. Nodarse, G.J.W. Webb, Patterns of dispersal of hawksbill turtles from the Cuban shelf inform scale of conservation and management, Biological	Felix Moncada

			Conservation, Volume 148, Issue 1, 2012, Pages 191-199, ISSN 0006-3207, <a href="https://doi.org/10.1016/j.biocon.2012.01.011">https://doi.org/10.1016/j.biocon.2012.01.011</a> . ( <a href="http://www.sciencedirect.com/science/article/pii/S0006320712000249">http://www.sciencedirect.com/science/article/pii/S0006320712000249</a> )	
Sea Turtle	Hawksbill Sea Turtle	Telemetry Points	Cuevas,E.,Gonzalez-Garza,B.I.,Guzman-Hernandez V.,van-Dam R.P.and P.Garcia-Alvarado. 2012.Migratory corridors and feeding hotspots for hawksbill and Green turtles in waters adjacent to the Yucatan peninsula Mexico.The Worlds Sea Turtles Report Vol.VII	Pronatura México
Sea Turtle	Loggerhead Sea Turtle	Telemetry Points	Cuevas,E.,Gonzalez-Garza,B.I.,Guzman-Hernandez V.,van-Dam R.P.and P.Garcia-Alvarado. 2012.Migratory corridors and feeding hotspots for hawksbill and Green turtles in waters adjacent to the Yucatan peninsula Mexico.The Worlds Sea Turtles Report Vol.VII	Pronatura México
Sea Turtle	Loggerhead Sea Turtle	Telemetry Points	DIVER. 2017. Web Application: Data Integration Visualization Exploration and Reporting Application, National Oceanic and Atmospheric Administration. Retrieved: January, 27, 2017, from <a href="https://www.diver.orr.noaa.gov">https://www.diver.orr.noaa.gov</a>	DIVER (Data Integration Visualization Exploration and Reporting)
Marine Mammal	Bottlenose Dolphin	Telemetry Points	Environmental Response Management Application (ERMA). Web application. Gulf of Mexico. National Oceanic and Atmospheric Administration, 2014. Web. 13 Apr. 2017. < <a href="http://response.restoration.noaa.gov/erma.&gt;">http://response.restoration.noaa.gov/erma.&gt;</a>	ERMA (Environmental Response Management Application)
Marine Mammal	Manatee	Telemetry Points	DaCosta, Kayla P. 2018. Dauphin Island Sea Lab, University of South Alabama.	Kayla DaCosta, Dauphin Island Sea Lab
Marine Mammal	Sperm Whale	Telemetry Points	DIVER. 2017. Web Application: Data Integration Visualization Exploration and Reporting Application, National Oceanic and Atmospheric Administration. Retrieved: January, 27, 2017, from <a href="https://www.diver.orr.noaa.gov">https://www.diver.orr.noaa.gov</a>	DIVER (Data Integration Visualization Exploration and Reporting)
Bird	Brown Noddy	Telemetry Points	Maxwell, Sara & Conners, Melinda & Sisson, Nicholas & Dawson, Tiffany. (2016). Potential Benefits and Shortcomings of Marine Protected Areas for Small Seabirds Revealed Using Miniature Tags. <i>Frontiers in Marine Science</i> . 3. . 10.3389/fmars.2016.00264.	Sara Maxwell
Bird	Brown Pelican	Telemetry Points	BP Gulf Science Data. 2016. Bird capture, health, and telemetry data collected along Gulf of Mexico shorelines and Atlantic coast reference sites gathered from June 2010 through September 2013 . BP Gulf Science Data.	GRIIDC (Gulf of Mexico Research Initiative Information and Data Cooperative)
Bird	Brown Pelican	Telemetry Points	Lamb JS, Satgé YG, Jodice PGR (2017) Influence of density-dependent competition on foraging and migratory behavior of a subtropical colonial seabird. <i>Ecology and Evolution</i> 7(13) doi: 10.1002/ece3.3216	Juliet S Lamb and Patrick Jodice, University of Rhode Island

Bird	Broad-winged hawk	Telemetry Points	McCabe, R. , L. Goodrich, K. Bildstein, D. Barber, and T. Master. 2014. Conserving Pennsylvania's common raptors year-round: Broad-winged Hawk habitat use, range, and movement ecology during nesting, wintering, and migration. <a href="http://www.hawkmountain.org/broadwing">www.hawkmountain.org/broadwing</a> . Funded by: Pennsylvania Game Commission State Wildlife Grants, ATUS, Inc., Kittatinny Coalition, and Audubon Pennsylvania, and many private donors.	HMS (Hawk Mountain Sanctuary)
Bird	Magnificent Frigatebird	Telemetry Points	Wikelski, Martin. 2017. Max Planck Institute for Ornithology	Martin Wikelski, Max Planck Institute for Ornithology

### Phase I

Species Group	Data File Type	Citation	Institution
Fish	Point	AquaMaps. no date. Reviewed native distribution map for <i>Makaira nigricans</i> (modelled 2100 map based on IPCC A2 emissions scenario) (Blue marlin). AquaMaps is a project of FishBase and SealifeBase. <a href="http://www.aquamaps.org">http:// www.aquamaps.org</a> (October 2014).	AquaMaps
Fish	Point	CONABIO. 2014. Bases de datos del Sistema Nacional de Información sobre Biodiversidad (SNIB). Comisión Nacional para el Conocimiento y Uso de la Biodiversidad (CONABIO). México, D.F.	CONABIO
Fish	Point	Cooperative Science Services, LLC. no date. Dolphinfish Research Program point data. Unpublished data. Cooperative Science Services, LLC. Charleston. <a href="http://www.dolphintagging.com">http://www.dolphintagging.com</a> (August 2014).	Cooperative Science Services, LLC
Fish	Point	Edwards, R.E., K.J. Sulak, M.T. Randall, and C.B. Grimes. 2003. Movements of Gulf sturgeon ( <i>Acipenser oxyrinchus desotoi</i> ) in nearshore habitat as determined by acoustic telemetry. <i>Gulf of Mexico Science</i> 21(1): 59-70.	USGS, University of South Florida & NMFS
Fish	Point	Fox, D.A., J.E. Hightower, and F.M. Parauka. 2000. Gulf sturgeon spawning migration and habitat in the Choctawhatchee River system, Alabama-Florida. <i>Transactions of the American Fisheries Society</i> 129: 811-826.	North Carolina State University, USGS & USFWS
Fish	Point	Fox, D.A., J.E. Hightower, and F.M. Parauka. 2002. Estuarine and nearshore marine habitat use by Gulf sturgeon from the Choctawhatchee River system, Florida. In Van Winkle, W., P.J. Anders, D.H. Secor, and D.A. Dixon (Eds.). <i>Biology, management and protection of North American sturgeon</i> . American Fisheries Society Symposium 28. Bethesda, pages 111-126.	North Carolina State University, USGS & USFWS
Fish	Point	Froese, R., and D. Pauly (Eds.). 2011. Multiple fish species data. FishBase. <a href="http://www.fishbase.org">http://www.fishbase.org</a> (April 2014).	FishBase
Fish	Point	Global Biodiversity Information Facility. no date. Multiple fish point data sources. <a href="http://www.gbif.org">http://www.gbif.org</a> (August 2014).	GBIF

Fish	Point	GSMFC. no date. SEAMAP access database. Fisheries Independent Sampling Program. Gulf States Marine Fisheries Commission (GSMFC). <a href="http://seamap.gsmfc.org">http://seamap.gsmfc.org</a> (September 2014).	GSMFC
Fish	Point	Heise, R.J., W.T. Slack, S.T. Ross, and M.A. Dugo. 2004. Spawning and associated movement patterns of Gulf sturgeon in the Pascagoula River drainage, Mississippi. <i>Transactions of the American Fisheries Society</i> 133: 221-230.	University of Southern Mississippi & Mississippi Department of Wildlife, Fisheries, and Parks
Fish	Point	Hightower, J.E., K.P. Zehfuss, D.A. Fox, and F.M. Parauka. 2002. Summer habitat use by Gulf sturgeon in the Choctawhatchee River, Florida. <i>Journal of Applied Ichthyology</i> 18(4-6): 595-600.	USGS, North Carolina State University & USFWS
Fish	Point	Hoffmayer, E. 2013. Whale Shark Research Program sightings. Gulf Coast Research Laboratory. University of Southern Mississippi, Ocean Springs.	University of Southern Mississippi
Fish	Point	Hueter, R.E., and J.P. Tyminski. no date. Whale shark data points. Unpublished data. Center for Shark Research. Mote Marine Laboratory. Sarasota.	Mote Marine Laboratory
Fish	Point	Hueter, R.E., J.P. Tyminski, and J.J. Morris. no date. Bull shark data points. Unpublished data. Center for Shark Research. Mote Marine Laboratory. Sarasota.	Mote Marine Laboratory
Fish	Point	ICCAT. no date. Tuna data points. International Commission for the Conservation of Atlantic Tunas (ICCAT). Madrid. <a href="https://www.iccat.int/en/accesingdb.htm">https://www.iccat.int/en/accesingdb.htm</a> (August 2014).	ICCAT
Fish	Point	iNaturalist.org. 2014. Verified sightings for whale and bull sharks. <a href="https://www.inaturalist.org/">https://www.inaturalist.org/</a> (September 2014).	iNaturalist.org
Fish	Point	LDWF. no date. Fishery-independent sampling data of multiple species. Unpublished data. Louisiana Department of Wildlife and Fisheries. Baton Rouge.	Louisiana Department of Wildlife and Fisheries
Fish	Point	OBIS. 2014. Ocean Biogeographic Information System (OBIS). Intergovernmental Oceanographic Commission of UNESCO and Duke University. <a href="http://iobis.org">http://iobis.org</a> (August 2014).	OBIS
Fish	Point	OBIS-USA. 2014. Ocean Biogeographic Information System (OBIS)-USA. <a href="Http://www.usgs.gov/obis-usa">Http://www.usgs.gov/obis-usa</a> August 2014).	OBIS-USA
Fish	Point	Ortiz, M. 2008. Gag grouper data. Southeast data, assessment, and Review (SEDAR). Mote Marine Laboratory. Sarasota.	Mote Marine Laboratory
Fish	Point	Pérez-Jiménez, J.C. no date. Bull shark observation data. Unpublished data. Laboratorio de Pesquerias. El Colegio de la Frontera Sur (ECOSUR). Campeche.	ECOSUR
Fish	Point	Rester, J.K. 2014. SEAMAP environmental and biological atlas of the Gulf of Mexico, 2011. Gulf States Marine Fisheries Commission (GSMFC). No. 229. Ocean Springs.	GSMFC
Fish	Point	Ross, S.T., W.T. Slack, R.J. Heise, M.A. Dugo, H. Rogillio, B.R. Bowen, P. Mickle, and R.W. Heard. 2009. Estuarine and coastal habitat use of Gulf sturgeon ( <i>Acipenser</i>	University of Southern Mississippi, Mississippi Department of Wildlife,

		oxyrinchus desotoi) in the North-Central Gulf of Mexico. Estuaries and Coasts 32: 360-374.	Fisheries, and Parks & Louisiana Department of Wildlife and Fisheries
Fish	Point	SCRFA. 2014. Multiple fish species from the Fish Aggregation Database. Science and Conservation of Fish Aggregations (SCRFA). <a href="http://www.scrfa.org">http://www.scrfa.org</a> .	Science and Conservation of Fish Aggregations
Fish	Point	Stunz, G. no date. Bull shark observations. Unpublished data. Harte Research Institute at Texas A&M University - Corpus Christi.	Harte Research Institute
Fish	Point	TPWD. No date. Multiple species data points. Unpublished data. Coastal Fisheries Division. Texas Parks and Wildlife (TPWD). Austin.	Texas Parks and Wildlife Department
Fish	Point	TPWD. 2011. Fisheries independent data: Bull shark captured in Gill Net in Sabine Lake, 1986-2008. Texas Coastal Fisheries Resource Monitoring Program. Houston Advanced Research Center and Galveston Bay Estuary Program (Eds). Houston.	Houston Advanced Research Center
Fish	Point	Whaleshark.org. no date. Wildbook for whale sharks photo-identification library (observation data points). Unpublished data. Whaleshark.org. <a href="http://www.whaleshark.org">http://www.whaleshark.org</a> (October 2014).	Whaleshark.org
Fish	Point, track	Edwards, R.E., F.M. Parauka, and K.J. Sulak. 2007. New insights into marine migration and winter habitat of Gulf sturgeon. In Munro, J., D. Hatin, J. Hightower, K. McKown, K. J. Sulak, A. Kahnle, and F. Caron (Eds.). Anadromous sturgeons: Habitats, threats and management. American Fisheries Society Symposium 56. Bethesda, pages 183-196.	USGS & NMFS
Fish	Track	Ault, J.S., R. Humston, M.F. Larkin, E. Perusquia, N.A. Farmer, J. Luo, N. Zurcher, S.G. Smith, L. Barbieri, and J. Posada. 2008. Population dynamics and resource ecology of Atlantic tarpon and bonefish. In Ault, J.S. (Ed.). Biology and Management of the World Tarpon and Bonefish Fisheries. CRC Series on Marine Biology, Vol. 9. Taylor and Francis Group. Boca Raton, pages 183-196; ProjectTarpon.com and the Bonefish and Tarpon Research Center, University of Miami.	University of Miami
Fish	Track	Block, B.A., G.L. Lawson, A.M. Boustany, M.J. Stokesbury, M. Castleton, A. Spares, J.D. Neilson, and S.E. Campana. 2009. Preliminary results from electronic tagging of bluefin tuna ( <i>Thunnus thynnus</i> ) in the Gulf of St. Lawrence, Canada. Collect. Vol. Sci. Pap. ICCAT 64(2): 469-479.	Stanford University, Duke University, Dalhousie University & Department of Fisheries and Oceans Canada.
Fish	Track	Carlson, J.K. , M.M. Ribera, C.L. Conrath, M.R. Heupel, and G.H. Burgess. 2010. Habitat use and movement patterns of bull sharks <i>Carcharhinus leucas</i> determined using pop-up satellite archival tags. Journal of Fish biology 77: 661-675.	NMFS
Fish	Track	Hammerschlag, N. 2014. Bull shark tracking data. Hammerschlag Lab. R.J. Dunlap Marine Conservation Program. University of Miami, Miami; Hammerschlag, N., J. Luo, D.J. Irschich, J.S. Ault. 2012. A Comparison of spatial and movement patterns between	University of Miami

		sympatric predators: Bull sharks ( <i>Carcharhinus leucas</i> ) and Atlantic tarpon ( <i>Megalops atlanticus</i> ). PLoS ONE 7(9): e45958.	
Fish	Track	Hendon, J.M., J.Higgs, and J. Franks. 2014. Bull shark tracking data. Unpublished data. Center for Fisheries Research and Development. Gulf Coast Research Laboratory. The University of Southern Mississippi. Ocean Springs.	University of Southern Mississippi
Fish	Track	Hoffmayer, E. 2014. Whale Shark Research Program Satellite Tracks. Gulf Coast Research Laboratory, University of Southern Mississippi. Ocean Springs.	University of Southern Mississippi
Fish	Track	Hueter, R.E., J.P. Tyminski, and J.J. Morris. Whale shark tracking data. Unpublished data. Center for Shark Research. Mote Marine Laboratory. Sarasota; Hueter, R.E., J.P. Tyminski, and R. de la Parra. 2013. Horizontal movements, migration patterns, and population structure of whale sharks in the Gulf of Mexico and northwestern Caribbean Sea. PLoS ONE. 8(8): e71883.	Mote Marine Laboratory
Fish	Track	Kraus, R.T., R.J.D Wels, J.R. Rooker. 2011. Horizontal movement of Atlantic blue marlin ( <i>Makaira nigricans</i> ) in the Gulf of Mexico. <i>Marine Biology</i> 158: 699–713.	George Mason University
Fish	Track	Shivji, M. 2010. Blue marlin tracking data. Unpublished data. Guy Harvey Research Institute. Nova Southeastern University. Dania Beach.	Guy Harvey Research Institute
Fish	Track	Stokesbury, M.J.W., S.L.H. Teo, A. Seitz, R.K. O’Dor, and B.A. Block. 2004. Movement of Atlantic bluefin tuna ( <i>Thunnus thynnus</i> ) as determined by satellite tagging experiments initiated off New England. <i>Can. J. Fish. Aquat. Sci.</i> 61: 1976–1987.	Dalhousie University, Stanford University & Monterey Bay Aquarium
Fish	Track	Stunz, G. no date. Bull shark and dolphin fish satellite tracking data. Unpublished data. Harte Research Institute at Texas A&M University - Corpus Christi.	Harte Research Institute
Fish	Track	Teo, S.L.H., A. Boustany, and B.A. Block. 2007. Oceanographic preferences of Atlantic bluefin tuna, <i>Thunnus thynnus</i> , on their Gulf of Mexico breeding grounds. <i>Marine Biology</i> 152: 1105–1119.	Stanford University
Fish	Track	Teo, S.L.H., A. Boustany, H. Dewar, M. Stokesbury, K. Weng, S. Beemer, A. Seitz, C. Farwell, E. D. Prince, and B.A. Block. 2007. Annual migrations, diving behavior and thermal biology of Atlantic bluefin tuna, <i>Thunnus thynnus</i> , to breeding grounds in the Gulf of Mexico. <i>Marine Biology</i> 151: 1–18.	Stanford University, Dalhousie University, Monterey Bay Aquarium & NMFS
Fish	Track	TOPPs - Tagging of Pacific Predators - Census of Marine Life Project. Whale shark and bluefin tuna tracks.	TOPPs
Fish	Track	WildlifeTracking.org. no date. Multiple fish satellite track datasets. <a href="http://www.wildlifetracking.org">http://www.wildlifetracking.org</a> (September 2014).	WildlifeTracking.org
Sea Turtle	Nest density	Florida Fish and Wildlife Conservation Commission, Fish and Wildlife Research Institute, and Statewide Nesting Beach Survey program coordinator. 2013. <a href="http://ocean.floridamarine.org/mrgis/Description_Layers_Marine.htm#benthic">http://ocean.floridamarine.org/mrgis/Description_Layers_Marine.htm#benthic</a> (August 2014).	Florida Fish and Wildlife Conservation Commission

Sea Turtle	Nesting beaches	Dow, W., K. Eckert, M. Palmer and P. Kramer. 2007. An atlas of sea turtle nesting habitat for the Wider Caribbean Region. The Wider Caribbean Sea Turtle Conservation Network (WIDECAST) and The Nature Conservancy. WIDECAST Technical Report No. 6. Beaufort, 267 pp. <a href="http://seamap.env.duke.edu/widecast">http://seamap.env.duke.edu/widecast</a> (August 2014).	WIDECAST
Sea Turtle	Nesting beaches	SWOT: SWOT Report - State of the World's Sea Turtles, vol. I (2006); SWOT Report - State of the World's Sea Turtles, vol. II (2006); SWOT Report - State of the World's Sea Turtles, vol. III (2008); SWOT Report - State of the World's Sea Turtles, vol. IV (2009); SWOT Report - State of the World's Sea Turtles, vol. V (2010); SWOT Report - State of the World's Sea Turtles, vol. VI (2011); SWOT Report - State of the World's Sea Turtles, vol. VII (2012); SWOT Report - State of the World's Sea Turtles, vol. VIII (2013), State of the World's Sea Turtles (SWOT), Arlington; Kot, C.Y., A. DiMatteo, E. Fujioka, B. Wallace, B. Hutchinson, J. Cleary, P. Halpin, and R. Mast. 2013. The state of the world's sea turtles online database: Data provided by the SWOT Team and hosted on OBIS-SEAMAP. Oceanic Society, Conservation International, IUCN Marine Turtle Specialist Group (MTSG), and Marine Geospatial Ecology Lab, Duke University. <a href="http://seamap.env.duke.edu/swot">http://seamap.env.duke.edu/swot</a> (August 2014).	SWOT
Sea Turtle	Point	AquaMaps. no date. Reviewed native distribution map for <i>Chelonia mydas</i> (green sea turtle). Aquamaps is a project of FishBase and SealifeBase. <a href="http://www.aquamaps.org">http://www.aquamaps.org</a> (September 2014).	AquaMaps
Sea Turtle	Point	CONABIO. 2014. Bases de datos del Sistema Nacional de Información sobre Biodiversidad (SNIB). Comisión Nacional para el Conocimiento y Uso de la Biodiversidad (CONABIO). México, D.F.	CONABIO
Sea Turtle	Point	Global Biodiversity Information Facility. no date. Multiple sea turtle point data sources. <a href="http://www.gbif.org">http://www.gbif.org</a> (September 2014).	GBIF
Sea Turtle	Point	GSMFC. no date. SEAMAP access database. Fisheries Independent Sampling Program. Gulf States Marine Fisheries Commission (GSMFC). <a href="http://seamap.gsmfc.org/">http://seamap.gsmfc.org/</a> (August 2014).	GSMFC
Sea Turtle	Point	OBIS Seamap. 2014. Ocean Biogeographic Information System (OBIS) Seamap. Intergovernmental Oceanographic Commission of UNESCO and Duke University. <a href="http://seamap.env.duke.edu/">http://seamap.env.duke.edu/</a> (August 2014).	OBIS Seamap
Sea Turtle	Point	OBIS-USA. 2014. Ocean Biogeographic Information System (OBIS)-USA. <a href="http://www.usgs.gov/obis-usa">Http://www.usgs.gov/obis-usa</a> (September 2014).	OBIS-USA
Sea Turtle	Point	Rester, J.K. 2014. SEAMAP environmental and biological atlas of the Gulf of Mexico, 2011. Gulf States Marine Fisheries Commission (GSMFC). No. 229. Ocean Springs.	GSMFC
Sea Turtle	Point, Track	Department of the Navy. 2007. Marine resources assessment for the Gulf of Mexico. Department of the Navy, U.S. Fleet Forces Command. Contract # N62470-02-D-9997, CTO 0030. Norfolk. Prepared by Geo-Marine, Inc., Hampton.	Department of Navy



Sea Turtle	Track	Cayman Turtle Farm: Island Wildlife Encounter. 2012. Grand Cayman, Cayman Islands. <a href="http://www.turtle.ky">http://www.turtle.ky</a> (September 2014).	Cayman Turtle Farm
Sea Turtle	Track	Coleman, A. no date. Sea turtle satellite track data. Unpublished data. Institute for Marine Mammal Studies. Gulfport.	Institute for Marine Mammal Studies
Sea Turtle	Track	Cuevas, E., B.I. González-Garza, V. Guzmán-Hernández, R.P. van-Dam, and P. García. 2012. Migratory corridors and feeding hotspots for hawksbill and green turtles in waters adjacent to the Yucatan Peninsula, Mexico. The State of the World's Sea Turtle Report, Vol. VII; Méndez, D., E. Cuevas, J. Navarro, B.I. González-Garza, and V. Guzmán-Hernández. 2013. Satellite tracking of green turtle females <i>Chelonia mydas</i> and the evaluation of their home ranges in the north coast of the Yucatan Peninsula, Mexico. <i>Revista de Biología Marina y Oceanografía</i> 3: 497-509.	Pronatura Península de Yucatán
Sea Turtle	Track	Dodd, M. no date. Loggerhead sea turtle satellite track data. Unpublished data. Georgia Department of Natural Resources.	Georgia Department of Natural Resources
Sea Turtle	Track	Eastman, S. no date. Green sea turtle satellite tracks. Unpublished data. Eastman Environmental.	Eastman Environmental
Sea Turtle	Track	Foley, A.M., B.A. Schroeder, R. Hardy, S.L. MacPherson, and M. Nicholas. 2014. Long-term behavior at foraging sites of adult female loggerhead sea turtles ( <i>Caretta caretta</i> ) from three Florida rookeries. <i>Marine Biology</i> 161: 1251–1262; Foley, A.M., B.A. Schroeder, R. Hardy, S.L. MacPherson, M. Nicholas, and M.S. Coyne. 2013. Postnesting migratory behavior of loggerhead sea turtles <i>Caretta caretta</i> from three Florida rookeries. <i>Endangered Species Research</i> 21: 129–142.	Florida Fish and Wildlife Conservation Commission, NMFS, USFWS & National Park Service
Sea Turtle	Track	Halpin, P.N., A.J. Read, E. Fujioka, B.D. Best, B. Donnelly, L.J. Hazen, C. Kot, K. Urían, E. LaBrecque, A. Dimatteo, J. Cleary, C. Good, L.B. Crowder, and K.D. Hyrenbach. 2009. OBIS-SEAMAP: The world data center for marine mammal, sea bird, and sea turtle distributions. <i>Oceanography</i> 22(2): 104-115.	Duke University
Sea Turtle	Track	"Hawkes, L.A., A.C. Broderick, M.S. Coyne, M.H. Godfrey, and B.J. Godley. 2007. Only some like it hot - quantifying the environmental niche of the loggerhead sea turtle. <i>Diversity and Distributions</i> 13: 447-457. <a href="http://www.seaturtle.org/library/?v=1632">http://www.seaturtle.org/library/?v=1632</a> (September 2014)."	University of Exeter, Seaturtle.org & North Carolina Wildlife Resources Commission
Sea Turtle	Track	Hickerson, E.L. 2000. Assessing and tracking resident, immature loggerheads ( <i>Caretta caretta</i> ) in and around the Flower Garden Banks, Northwest Gulf of Mexico. Master of Science Thesis. Texas A&M University, College Station.	Texas A&M University
Sea Turtle	Track	Blumenthal, J.M., J.L. Solomon, C.D. Bell, T.J. Austin, G. Ebanks-Petrie, M.S. Coyne, A.C. Broderick, and B.J. Godley. 2006. Satellite tracking highlights the need for international cooperation in marine turtle management. <i>Endangered Species Research</i> . 2: 51-61.	Cayman Islands Department of Environment

Sea Turtle	Track	"McClellan, C.M. 2009. Behavior, ecology, and conservation of sea turtles in the North Atlantic Ocean. Ph.D. Dissertation. Department of Environment. Duke University, Durham, 161 pp."	Centre for Ecology and Conservation, University of Exeter & Duke University
Sea Turtle	Track	McClellan, C.M., and A.J. Read. 2007. Complexity and variation in loggerhead sea turtle life history. <i>Biology Letters</i> 3: 592-594.	Centre for Ecology and Conservation & University of Exeter and Duke University
Sea Turtle	Track	"McClellan, C.M., and A.J. Read. 2009. Confronting the gauntlet: Understanding incidental capture of green turtles through fine-scale movement studies. <i>Endangered Species Research</i> 10: 165-179. "	Centre for Ecology and Conservation, University of Exeter & Duke University
Sea Turtle	Track	Nelson, D. 1999. Sea turtle relative abundance and seasonal movements in Tampa Bay entrance channel. US Army Corps of Engineers. Waterways Experiment Station, Vicksburg.	U.S. Army Corps of Engineers
Sea Turtle	Track	Researchers: Blair Witherington, Disney's Animals, Science, and Environment, Archie Carr Center for Sea Turtle Research, University of Florida, and Shigetomo Hiram, Florida Fish and Wildlife Conservation Commission, Fish and Wildlife Research Institute; Witherington, B., and S. Hiram. 2011. Movements and Habitat Associations for Neonate Kemp's ridley Sea Turtles. Unpublished data. Florida Fish and Wildlife Conservation Commission. <a href="http://www.seaturtle.org/tracking/?project_id=636">http://www.seaturtle.org/tracking/?project_id=636</a> (September 2014).	Disney's Animals, Science, and Environment, Archie Carr Center for Sea Turtle Research, University of Florida & Florida Fish and Wildlife Conservation Commission, Fish and Wildlife Research Institute
Sea Turtle	Track	Researchers: Christi L. Hughes, Sea Turtle Rescue Program, South Carolina Aquarium and Andre M. Landry, Jr., Marine Biology and Wildlife and Fisheries Sciences (Retired), Texas A&M University at Galveston; Hughes, C.L., and A.M. Landry. 2008. TAMUG Kemp's Ridley Nesters 2007-2008. Unpublished data. Texas A&M University at Galveston – Sea Turtle and Fisheries Ecology Research Lab., Galveston.	South Carolina Aquarium & Texas A&M University at Galveston
Sea Turtle	Track	"Researchers: Katrina Phillips, University of Central Florida; Kate Mansfield, University of Central Florida; and David Addison, Conservancy of Southwest Florida; Phillips, K. 2011. Beyond the beach: Population trends and foraging site selection of a Florida loggerhead nesting assemblage. Open Access Theses, Paper No. 245."	University of Central Florida & Conservancy of Southwest Florida
Sea Turtle	Track	Hirsch, S. no date. Sea turtle research database. Loggerhead Marinelifelife Center. Juno Beach. <a href="http://www.marinelife.org/">http://www.marinelife.org/</a> (August 2014).	Loggerhead Marinelifelife Center
Sea Turtle	Track	Schmid, J.R., and W.N. Witzell. 2006. Seasonal migrations of immature Kemp's ridley turtles ( <i>Lepidochelys kempii</i> Garman) along the west coast of Florida. <i>Gulf of Mexico Science</i> 24(1/2): 28-40.	Conservancy of Southwest Florida

Sea Turtle	Track	Sea Turtle Rehabilitation Facility. no date. Gumbo Limbo Nature Center. Unpublished data. Boca Raton. <a href="http://www.gumbolimbo.org">http://www.gumbolimbo.org</a> (August 2014).	Gumbo Limbo Nature Center
Sea Turtle	Track	SeaTurtle.org. no date. Multiple sea turtle satellite track datasets. <a href="http://www.seaturtle.org">http://www.seaturtle.org</a> (August 2014).	Seaturtle.org
Sea Turtle	Track	Seney, E.E., and A.M. Landry, Jr. 2011. Movement patterns of immature and adult female Kemp's Ridley sea turtles in the northwestern Gulf of Mexico. Marine Ecology Progress Series 440: 241-254.	Texas A&M University at Galveston
Sea Turtle	Track	The Aquarium at Moody Gardens. no date. Galveston. <a href="http://www.moodygardens.com">http://www.moodygardens.com</a> (August 2014).	The Aquarium at Moody Gardens
Sea Turtle	Track	Tiburcio, P.G., G.R. Bravo, and M.R. Kinzel. 2001. Satellite telemetry of green sea turtles ( <i>Chelonia mydas</i> ) nesting in Lechuguillas, Veracruz-Mexico (Preliminary results). Abstracts XXI Annual Symposium on Sea Turtle Biology and Conservation. Philadelphia; Kinzel, M.R., G. Carter, P.G. Tiburcio, and G.R. Bravo. 2003. Home range and habitats analysis of green sea turtles, <i>Chelonia mydas</i> , in the Gulf of Mexico. Abstracts XXII Annual Symposium on Sea Turtle Biology and Conservation. Miami; Tiburcio, P.G. 2003. Informe sobre actividades realizadas "Seguimiento vía satélite de la migración de tortuga blanca ( <i>Chelonia mydas</i> ), capturadas en Lechuguillas, Mpio. de La Torre, Veracruz-México". Oceanic Resource Foundation; Tiburcio, P.G., G. Balaz, D. Parker, and G.R. Bravo. 2004. "The adventure of the green sea turtle: turtles crossing the Gulf of Mexico" (Post-nesting migrations of green sea turtles in lechuguillas, Veracruz-Mexico). Abstracts XXIV Annual Symposium on Sea Turtle Biology and Conservation. San José, Costa Rica.	
Sea Turtle	Track	Virginia Aquarium. 2014. Section 6 Progress Report January-June 2014. Virginia and Maryland Sea Turtle Research and Conservation Initiative. Progress Report submitted to National Marine Fisheries Service; Lockhart, G.G., Barco, S.G., D'eri, and L. 2014. A preliminary home-range analysis of loggerhead sea turtles released in Virginia, USA. Poster session presentation at the 34th Annual Symposium on Sea Turtle Biology and Conservation. New Orleans.	Virginia Aquarium & Marine Science Center Foundation
Marine Mammal	Point	Florida Fish and Wildlife Conservation Commission-Fish and Wildlife Research Institute. 2014. Manatee synoptic survey sightings (1991-present). <a href="http://ocean.floridamarine.org/mrgis/">http://ocean.floridamarine.org/mrgis/</a> (August 2014).	Florida Fish and Wildlife Conservation Commission
Marine Mammal	Point	Florida Fish and Wildlife Conservation Commission-Fish and Wildlife Research Institute. Unpublished material. Aerial distribution survey for manatees. <a href="http://ocean.floridamarine.org/mrgis/">http://ocean.floridamarine.org/mrgis/</a> (August 2014).	Florida Fish and Wildlife Conservation Commission
Marine Mammal	Point	Global Biodiversity Information Facility. no date. Multiple marine mammal point data sources. <a href="http://www.gbif.org">Http://www.gbif.org</a> (July 2014).	GBIF

Marine Mammal	Point	Jefferson, T.A., and A.J. Schiro. 1997. Distribution of cetaceans in the offshore Gulf of Mexico. <i>Mammal Review</i> 27: 27–50.	
Marine Mammal	Point	Morales, J.B., and G.L. Medrano. 1997. Monitoreo de manatí ( <i>Trichechus manatus</i> ) con radiotransmisores en Quintana Roo. Escala 1:250 000. Extraído del proyecto H164 Variación genética del manatí ( <i>Trichechus manatus</i> ), en el sureste de México y monitoreo con radiotransmisores en Quintana Roo. El Colegio de la Frontera Sur (ECOSUR), Unidad Chetumal, Chetumal. Funded by: Comisión Nacional para el Conocimiento y Uso de la Biodiversidad (CONABIO).	CONABIO & ECOSUR
Marine Mammal	Point	OBIS Seemap. 2014. Ocean Biogeographic Information System (OBIS) Seemap. Intergovernmental Oceanographic Commission of UNESCO and Duke University. <a href="http://seemap.env.duke.edu/">http://seemap.env.duke.edu/</a> (August 2014).	OBIS Seemap
Marine Mammal	Point	OBIS-USA. 2014. Ocean Biogeographic Information System (OBIS)-USA. <a href="Http://www.usgs.gov/obis-usa">Http://www.usgs.gov/obis-usa</a> (September 2014).	OBIS-USA
Marine Mammal	Point	Rester, J.K. 2014. SEAMAP environmental and biological atlas of the Gulf of Mexico, 2011. Gulf States Marine Fisheries Commission (GSMFC). No. 229. Ocean Springs.	GSMFC
Marine Mammal	Point	CONABIO. 2014. Bases de datos del Sistema Nacional de Información sobre Biodiversidad (SNIB). Comisión Nacional para el Conocimiento y Uso de la Biodiversidad (CONABIO). México, D.F.	CONABIO
Marine Mammal	Point, Track	Department of the Navy. 2007. Marine resources assessment for the Gulf of Mexico. Department of the Navy, U.S. Fleet Forces Command, Norfolk. Contract #N62470-02-D-9997, CTO 0030. Prepared by Geo-Marine, Inc., Hampton.	Department of Navy
Marine Mammal	Track	Halpin, P.N., A.J. Read, E. Fujioka, B.D. Best, B. Donnelly, L.J. Hazen, C. Kot, K. Urian, E. LaBrecque, A. Dimatteo, J. Cleary, C. Good, L.B. Crowder, and K.D. Hyrenbach. 2009. OBIS-SEAMAP: The world data center for marine mammal, sea bird, and sea turtle distributions. <i>Oceanography</i> 22(2): 104-115.	Duke University
Marine Mammal	Track	Jochens, A., D. Biggs, K. Benoit-Bird, D. Engelhaupt, J. Gordon, C. Hu, N. Jaquet, M. Johnson, R. Leben, B. Mate, P. Miller, J. Ortega-Ortiz, A. Thode, P. Tyack, and B. Würsig. 2008. Sperm whale seismic study in the Gulf of Mexico: Synthesis report. U.S. Dept. of the Interior. Minerals Management Service, Gulf of Mexico OCS Region. OCS Study MMS 2008-006. New Orleans, 341 pp. The Sperm Whale Seismic Study (SWSS) is sponsored by the U.S. Minerals Management Service and involves researchers from Texas A&M University, Oregon State University, Woods Hole Oceanographic Institution, Scripps Institution of Oceanography, Texas A&M University-Galveston, University of Durham, and Ecologic with support and cooperation from the Industry Research Funders Coalition (International Association of Geophysical Contractors (IAGC) and oil and gas companies), National Fish and Wildlife Foundation, National Science Foundation, and Office of Naval Research.	Minerals Management Service

Bird	Point	"Austin, E.A., and A.L. Richert. 2001. A comprehensive review of observational and site evaluation data of migrant Whooping Cranes in the United States, 1943-1999. U.S. Geological Survey (USGS), Northern Prairie Wildlife Research Center, Jamestown, North Dakota, and State Museum, University of Nebraska, Lincoln, Nebraska. 157 pp."	USGS & USFWS
Bird	Point	Christmas Bird Count. CBC data is provided by National Audubon Society and through the generous efforts of Bird Studies Canada and countless volunteers across the western hemisphere. <a href="http://www.audubon.org">www.audubon.org</a> , <a href="http://www.christmasbirdcount.org">www.christmasbirdcount.org</a>	National Audubon Society
Bird	Point	CONABIO. 2014. Sistema de Información Nacional de Información de Biodiversidad (SNIB). Comisión Nacional para el Conocimiento y Uso de la Biodiversidad (CONABIO). México, D.F.	CONABIO
Bird	Point	Global Biodiversity Information Facility (GBIF). no date. Multiple bird point data sources. <a href="http://www.gbif.org">www.gbif.org</a> (September 2014).	GBIF
Bird	Point	Jodice, P.G.R., W. Mackin, and R. Phillips. 2012. Audubon's shearwater. Unpublished data. South Carolina Cooperative Wildlife Research Unit. Clemson University, Clemson.	Clemson University
Bird	Point	Panama Audubon Society. no date. Raptor migration data. Provided with support from: Hawk Mountain, CEASPA, Peregrine Fund, Smithsonian Tropical Research Institute, Canopy Tower, Gamboa Rainforest Discovery Center, Advantage Tours, Birders' View, AES Changuinola, ENEL Fortuna, Ocean Pollution Control, S.A., ENSOL, Fundación Natura, and members and volunteers of Panama Audubon Society.	Panama Audubon Society
Bird	Point	TCWS. 2013. Texas Colonial Waterbird Society annual census and database. Texas Colonial Waterbird Society (TCWS). Audubon Texas (Ed.), Texas City.	Texas Coastal Waterbird Society
Bird	Polygon, corridor	Brei, J., A. Bishop, M. Tacha, and R. Grosse. 2009. Whooping Crane migration corridors methods summary. U.S. Fish and Wildlife Service, Platte River Recovery Implementation Program and Rainwater Basin Joint Venture Report.	USFWS
Bird	Polygon	GSGS. 2013. U.S. Geological survey gap analysis program species distribution models. U.S. Geological Survey (USGS). <a href="http://gapanalysis.usgs.gov/species/data/download/">http://gapanalysis.usgs.gov/species/data/download/</a> (August 2014).	USGS
Bird	Track	Bedrosian, B., and S. Cain. no date. Osprey satellite track data. Unpublished data. Grand Teton National Park, the Grand Teton National Park Foundation, and Craighead Beringia South.	Grand Teton National Park, the Grand Teton National Park Foundation & Craighead Beringia South
Bird	Track	Bierregaard, R. no date. Osprey satellite track data. Unpublished data. Academy of Natural Sciences of Drexel University.	Drexel University
Bird	Track	"Domenech, R., A. Shreading, and E. Greene. 2012-2014. Montana Osprey satellite tracking data. Unpublished data. Raptor View Research Institute, The MPG Ranch, and University of Montana."	Raptor View Research Institute, The MPG Ranch & University of Montana

Bird	Track	Haines, A.M., M.J. McGrady, M.S. Martell, B.J. Dayton, M.B. Henke, and W.S. Seegar. 2003. Migration routes and wintering locations of Broad-winged Hawks tracked by satellite telemetry. <i>Wilson Bulletin</i> 115(2): 166–169.	Millersville University
Bird	Track, corridor	Martell, M.S., C.J. Henny, P.E. Nye, and M.J. Solensky. 2001. Fall migration routes, timing, and wintering sites of North American Ospreys as determined by satellite telemetry. <i>The Condor</i> 103: 715-724.	National Audubon Society
Bird	Track	McCabe, R. , L. Goodrich, K. Bildstein, D. Barber, and T. Master. 2014. Conserving Pennsylvania’s common raptors year-round: Broad-winged Hawk habitat use, range, and movement ecology during nesting, wintering, and migration. <a href="http://www.hawkmountain.org/broadwing">www.hawkmountain.org/broadwing</a> . Funded by: Pennsylvania Game Commission State Wildlife Grants, ATUS, Inc., Kittatinny Coalition, and Audubon Pennsylvania, and many private donors.	Hawk Mountain Sanctuary
Bird	Track	Movebank. no date. Movebank: For animal tracking data. Multiple bird datasets. <a href="http://www.movebank.org">http://www.movebank.org</a> (November 2014).	Movebank
Bird	Track	"Postupalsky, S., B. Jensen, and B. Washburn. 2013-2014. Osprey satellite tracks. OWSEM/Michigan Osprey, MDNR-Wildlife Division, Detroit Zoological Society, USDA-Wildlife Services, and Huron Valley Audubon Society. Funded by: American Tower Corporation, DTE Energy, 2013. Huron Valley Audubon Society, DTE Energy, Federal Aviation Agency and private donors in 2014. Support from: Detroit River International Wildlife Refuge, Skyline Services LLC, Clearlink Wireless Solutions, Newkirk Electric, PYP Contracting, and numerous volunteers."	OWSEM/Michigan Osprey, MDNR-Wildlife Division, Detroit Zoological Society, USDA-Wildlife Services & Huron Valley Audubon Society
Bird	Track	Stutchbury, B.J.M., S.A. Tarof, T. Done, E. Gow, P.M. Kramer, J. Tautin, J.W. Fox, and V. Afanasyev. 2009. Tracking long-distance songbird migration by using geolocators. <i>Science</i> . 322: 896; Stanley, C.Q., E.A. McKinnon, K.C. Fraser, M.P. MacPherson, G. Casbourn, L. Friesen, P.P. Marra, C. Studds, T.B. Ryder, N.E. Diggs, and B.J.M. Stutchbury. 2015. Connectivity of Wood Thrush breeding, wintering, and migration sites based on range-wide tracking. <i>Conservation Biology</i> 29(1): 164-174.	York University, Smithsonian Conservation Biology Institute, Canadian Wildlife Service, Purple Martin Conservation Association, & British Antarctic Survey
Bird	Track	WildlifeTracking.org. no date. Multiple bird satellite track datasets. <a href="http://www.wildlifetracking.org">http://www.wildlifetracking.org</a> (September 2014).	WildlifeTracking.org