

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

Appendix II. Species Data Contributing Researchers and Institutions.

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Suggested citation for Phase II Corridors:

Brenner, J. and V. McNulty. 2018. Migratory Species Conservation Project. The Nature Conservancy, Texas.

Suggested citation for Phase I Corridors:

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 (2018) – New Data

Data from Phase I (2015) was incorporated into Phase II corridors. Data providers from Phase I are listed in the next section. Datasets in italics were not used in generating Phase II corridors but will be used by the Migratory Species Conservation Project in the future.

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 http://oceanview.pfeg.noaa.gov/ATN/	Animal Telemetry Network (ATN)
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. http://response.restoration.noaa.gov/erma	Environmental Response Management Application (ERMA)
Fish	Blue marlin	Telemetry Points	Block, Barbara. Hopkins Marine Station, Stanford University. ATN IOOS. 2017. Web Application: Animal Telemetry Network, Integrated Ocean	Animal Telemetry Network (ATN)

			Observing System, National Oceanic and Atmospheric Administration. Retrieved: April 20, 2017, from http://oceanview.pfeg.noaa.gov/ATN/	
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. http://migratoryblueways.org	The Nature Conservancy: Migratory Species Conservation Project
Fish	Bull Shark	Telemetry Points	USM. 2018. Bull shark satellite tracking dataset. Gulf Coast Research Laboratory. University of Southern Mississippi. Ocean Springs.	Gulf Coast Research Laboratory, University of Southern Mississippi
Fish	<i>Cobia</i>	Tag-Recapture Points	<i>Franks, Jim. Gulf Coast Research Laboratory, The University of Southern Mississippi. 2018. http://qcrl.usm.edu/</i>	<i>Gulf Coast Research Laboratory, The University of Southern Mississippi</i>
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.	Gulf of Mexico Research Initiative Information and Data Cooperative (GRIIDC)
Fish	Mako Shark	Telemetry Points	GHRI. 2018. Shortfin mako shark satellite tracking dataset. Guy Harvey Research Institute. Nova Southeastern University. Fort Lauderdale. Florida. USA.	Guy Harvey Research Institute, Nova Southeastern University
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. https://sharkresearch.rsmas.miami.edu/	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. http://migratoryblueways.org	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 http://oceanview.pfeg.noaa.gov/ATN/	Animal Telemetry Network (ATN)

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. http://migratoryblueways.org	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 Conservation, Volume 148, Issue 1, 2012, Pages 191-199, ISSN 0006-3207, https://doi.org/10.1016/j.biocon.2012.01.011 . (http://www.sciencedirect.com/science/article/pii/S0006320712000249)	Felix Moncada
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 https://www.diver.orr.noaa.gov	Data Integration Visualization Exploration and Reporting (DIVER)
Marine Mammal	Bottlenose Dolphin	Telemetry Points	<i>Environmental Response Management Application (ERMA). Web application. Gulf of Mexico. National Oceanic and Atmospheric Administration, 2014. Web. 13 Apr. 2017.</i> < http://response.restoration.noaa.gov/erma. >	<i>Environmental Response Management Application (ERMA)</i>
Marine Mammal	Manatee	Telemetry Points	Carmichael, R.H., and A. Aven (2017). GPS tracking of West Indian manatees (<i>Trichechus manatus latirostris</i>) tagged in Mobile Bay, Alabama (2009-2015). Dauphin Island Sea Lab: Data Management Center. Available at http://cf.disl.org/datamanagement/metadata_folder/DISL-Carmichael-Aven-001-2017.xml . Last accessed 05 Oct 2018.	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 https://www.diver.orr.noaa.gov	Data Integration Visualization Exploration and Reporting (DIVER)
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. Gulf of Mexico Research Initiative Information and Data Cooperative (GRIIDC).	BP Gulf Science Data via 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	University of Rhode Island via Movebank
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. www.hawkmountain.org/broadwing . Funded by: Pennsylvania Game Commission State Wildlife Grants, ATUS, Inc., Kittatinny Coalition, and Audubon Pennsylvania, and many private donors.	Hawk Mountain Sanctuary
Bird	Magnificent Frigatebird	Telemetry Points	Wikelski, Martin. 2017. Understanding movements of frigate birds in hurricanes. Max Planck Institute for Ornithology, Parque Nacional Isla Contoy. Accessed at movebank.org .	Max Planck Institute for Ornithology via Movebank
Bird	Sooty Tern	Telemetry Points	<i>Huang, Ryan. 2017. Investigating anthropogenic and environmental impacts on sooty tern survivorship. Duke University. Accessed at movebank.org.</i>	Ryan Huang, Duke University via Movebank

Phase I

Species Group	Data File Type	Citation	Institution
Fish	Point	AquaMaps. no date. Reviewed native distribution map for Makaira nigricans (modelled 2100 map based on IPCC A2 emissions scenario) (Blue marlin). AquaMaps is a project of FishBase and SealifeBase. http:// www.aquamaps.org (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. http://www.dolphintagging.com (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. American Fisheries Society Symposium</i> 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. http://www.fishbase.org (April 2014).	FishBase
Fish	Point	Global Biodiversity Information Facility. no date. Multiple fish point data sources. http://www.gbif.org (August 2014).	GBIF
Fish	Point	GSMFC. no date. SEAMAP access database. Fisheries Independent Sampling Program. Gulf States Marine Fisheries Commission (GSMFC). http://seamap.gsmfc.org (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. https://www.iccat.int/en/accesingdb.htm (August 2014).	ICCAT
Fish	Point	iNaturalist.org. 2014. Verified sightings for whale and bull sharks. https://www.inaturalist.org/ (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. http://iobis.org (August 2014).	OBIS
Fish	Point	OBIS-USA. 2014. Ocean Biogeographic Information System (OBIS)-USA. Http://www.usgs.gov/obis-usa 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 oxyrinchus desotoi</i>) in the North-Central Gulf of Mexico. <i>Estuaries and Coasts</i> 32: 360-374.	University of Southern Mississippi, Mississippi Department of Wildlife, 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). http://www.scrfa.org .	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. http://www.whaleshark.org (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, Univeristy 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, Dalhouse 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. <i>Journal of Fish biology</i> 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 sympatric predators: Bull sharks (<i>Carcharhinus leucas</i>) and Atlantic tarpon (<i>Megalops atlanticus</i>). <i>PLoS ONE</i> 7(9): e45958.	University of Miami
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	Mote Marine Laboratory

		population structure of whale sharks in the Gulf of Mexico and northwestern Caribbean Sea. PLoS ONE. 8(8): e71883.	
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. http://www.wildlifetracking.org (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. http://ocean.floridamarine.org/mrgis/Description_Layers_Marine.htm#benthic (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. http://seamap.env.duke.edu/widecast (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.	SWOT

		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. http://seamap.env.duke.edu/swot (August 2014).	
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. http://www.aquamaps.org (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. http://www.gbif.org (September 2014).	GBIF
Sea Turtle	Point	GSMFC. no date. SEAMAP access database. Fisheries Independent Sampling Program. Gulf States Marine Fisheries Commission (GSMFC). http://seamap.gsmfc.org/ (August 2014).	GSMFC
Sea Turtle	Point	OBIS Seemap. 2014. Ocean Biogeographic Information System (OBIS) Seemap. Intergovernmental Oceanographic Commission of UNESCO and Duke University. http://seamap.env.duke.edu/ (August 2014).	OBIS Seemap
Sea Turtle	Point	OBIS-USA. 2014. Ocean Biogeographic Information System (OBIS)-USA. Http://www.usgs.gov/obis-usa (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. http://www.turtle.ky (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. 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
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. http://www.seaturtle.org/library/?v=1632 (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. http://www.seaturtle.org/tracking/?project_id=636 (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
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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. http://www.gumbolimbo.org (August 2014).	Gumbo Limbo Nature Center
Sea Turtle	Track	SeaTurtle.org. no date. Multiple sea turtle satellite track datasets. http://www.seaturtle.org (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. <i>Marine Ecology Progress Series</i> 440: 241-254.	Texas A&M University at Galveston
Sea Turtle	Track	The Aquarium at Moody Gardens. no date. Galveston. http://www.moodygardens.com (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;	

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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). http://ocean.floridamarine.org/mrgis/ (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. http://ocean.floridamarine.org/mrgis/ (August 2014).	Florida Fish and Wildlife Conservation Commission
Marine Mammal	Point	Global Biodiversity Information Facility. no date. Multiple marine mammal point data sources. Http://www.gbif.org (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
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Marine Mammal	Point	OBIS-USA. 2014. Ocean Biogeographic Information System (OBIS)-USA. Http://www.usgs.gov/obis-usa (September 2014).	OBIS-USA

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Bird	Point	Global Biodiversity Information Facility (GBIF). no date. Multiple bird point data sources. www.gbif.org (September 2014).	GBIF

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Bird	Polygon	GSGS. 2013. U.S. Geological survey gap analysis program species distribution models. U.S. Geological Survey (USGS). http://gapanalysis.usgs.gov/species/data/download/ (August 2014).	USGS
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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
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