

## **CURRICULUM VITAE – JUNE 2023**

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**CURRENT POSITION:** Golden Honu Services of Oceania  
Independent Researcher

**LAST POSITION:** Pacific States Marine Fisheries Commission  
Fish Aging Technician  
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### **PROFESSIONAL POSITIONS:**

2021 July – present – Pacific States Marine Fisheries Commission – Fish Aging Technician

2017 January – 2017 May – Optima Resource Services, Independent Contractor

2005-September 2016 Marine Turtle Research Specialist, JIMAR/NMFS

1997-2005 Marine Turtle Research Associate III, JIMAR/NMFS

1996-1997 Marine Turtle Research Associate II, JIMAR/NMFS

1994-1996 Marine Turtle Research Associate I, JIMAR/NMFS

1991-1994 Biological Technician, NOAA, National Marine Fisheries Service

1989-1991 Fisheries Aide I, State of Hawaii, Division of Aquatic Resources

### **HONORS AND AWARDS:**

2014 - RCUH Service Merit Award – 20 years

2009 - RCUH Service Merit Award – 15 years

2004 - RCUH Service Merit Award – 10 years

1996 - 2015 – Received or was recommended for a JIMAR Merit award for outstanding and commendable performance

1992, 1993 - NMFS Merit award for commendable performance

1994 – NMFS Merit award for outstanding performance

1989 - Outstanding College students of America Award

Member, Phi Kappa Phi and Phi Beta Kappa

### **PROFESSIONAL AFFILIATIONS:**

2019-present – Co-chair, IUCN Marine Turtle Specialist Group Oceania

2014-present - Member, China-USA Sea Turtle Working Group

1995-present - Member, International Sea Turtle Society

### **EDUCATION:**

1990-1992 Graduate studies – Oceanography and statistics, University of Hawaii

1989 - Bachelor of Science – Biology – Graduated with distinction, University of Hawaii – Manoa.

### **CERTIFICATES:**

Coursera Certificates:

Imagery, Automation, and Applications by University of California, Davis. Earned August 22, 2016

Geospatial and Environmental Analysis by University of California, Davis. Earned July 10, 2016

GIS Data Formats, Design and Quality by University of California, Davis. Earned June 26, 2016

Fundamentals of GIS by University of California, Davis. Earned May 15, 2016

R Programming by Johns Hopkins University. Earned February 1, 2015

The Data Scientist's Toolbox by Johns Hopkins University. Earned January 31, 2015

## SCIENTIFIC PUBLICATIONS:

Maurer, A.S., C. Dawson, R. Bjorkland, A. Donaldson, S.P. Stapleton, J.I. Richardson, **D.M. Parker**, G.H. Balazs, and B.A. Schroeder.

2022. Satellite Telemetry Elucidates Migratory Pathways and Foraging Areas for Hawksbill Sea Turtles, *Eretmochelys imbricata*, in the Caribbean. *Caribbean J. of Science*, 52(1):126-141 (2022). <https://doi.org/10.18475/cjos.v52i1.a10>.

Kot, C.Y., S. Åkesson, J. Alfaro-Shigueto, D.F. Amorocho Llanos, M. Antonopoulou, G.H. Balazs, W.R. Baverstock, J.M. Blumenthal, A.C. Broderick, I. Bruno, A.F. Canbolat, P. Casale, D. Cejudo, M.S. Coyne, C. Curtice, S. DeLand, A. DiMatteo, K. Dodge, D.C. Dunn, N. Esteban, A. Formia, M.M.P.B. Fuentes, E. Fujioka, J. Garnier, M.H. Godfrey, B.J. Godley, V. González Carman, A.-L. Harrison, C.E. Hart, L.A. Hawkes, G.C. Hays, N. Hill, S. Hochscheid, Y. Kaska, Y. Levy, C.P. Ley-Quiñónez, G.G. Lockhart, M. López-Mendilaharsu, P. Luschi, J.C. Mangel, D. Margaritoulis, S.M. Maxwell, C.M. McClellan, K. Metcalfe, A. Mingozi, F.G. Moncada, W.J. Nichols, **D.M. Parker**, S.H. Patel, N.J. Pilcher, S. Poulin, A.J. Read, A.L. F. Rees, D.P. Robinson, N.J. Robinson, A.G. Sandoval-Lugo, G. Schofield, J.A. Seminoff, E.E. Seney, R.T.E. Snape, D. Sözbilen, J. Tomás, N. Varo-Cruz, B.P. Wallace, N.E. Wildermann, M.J. Witt, A.A. Zavala-Norzagaray, and P.N. Halpin.

2022. Network Analysis of Sea Turtle Movements and Connectivity: A Tool for Conservation Prioritization. *Diversity and Distributions*. 28(4): 810-829. <https://doi.org/10.1111/ddi.13485>.

Briscoe D.K., C.N. Turner Tomaszewicz, J.A. Seminoff, **D.M. Parker**, G.H. Balazs, J.J. Polovina, M. Kurita, H. Okamoto, T. Saito, M.R. Rice and L.B. Crowder

2021. Dynamic Thermal Corridor May Connect Endangered Loggerhead Sea Turtles Across the Pacific Ocean. *Front. Mar. Sci.* 8:630590. doi: 10.3389/fmars.2021.630590

Work T.M., **D. Parker**, G.H. Balazs (Eds.) (2020). *Sea Turtles in Oceania: MTSG Annual Regional Report*

2020. Report of the IUCN-SSC Marine Turtle Specialist Group, 2020.

**Parker, D.M.**

2020. Republic of the Marshall Islands. *In: Work TM, Parker D, Balazs GH (Eds.) 2020. Sea Turtles in Oceania: MTSG Annual Regional Report 2020. Report of the IUCN - SSC Marine Turtle Specialist Group, 2020.*

Oki, K., T. Hamabata, T. Arata, **D.M. Parker**, C. Ka Yan Ng, and G.H. Balazs.

2019. "Inferred Adult Foraging Grounds of Two Marine Turtle Species Nesting at Amami-Oshima, Japan," *Chelonian Conservation and Biology* 18(1), 91-97, (6 June 2019). <https://doi.org/10.2744/CCB-1337.1>

Jang, S., G.H. Balazs, **D.M. Parker**, B. Kim, M.Y. Kim, C.K.Y. Ng, and T.W. Kim.

2018. Movements of Green Turtles (*Chelonia mydas*) Rescued from Pound Nets Near Jeju Island, Republic of Korea. *Chelonian Conservation and Biology*, 2018, 17(2): 236–244. doi:10.2744/CCB-1279.1

Saito, T., M. Kurita, H. Okamoto, Y. Kakizoe, **D. Parker**, D. Briscoe, M. Rice, J. Polovina and G. Balazs.

2018. Satellite tracking immature loggerhead turtles in temperate and subarctic ocean habitats around the Sea of Japan, *Micronesica* 2018-03, 20 pp. Published online 30 April 2018. <http://micronesica.org/volumes/2018>

Balazs, G.H., **D.M. Parker** and M.R. Rice.

2017. Ocean pathways and residential foraging locations for satellite tracked green turtles breeding at French Frigate Shoals in the Hawaiian Islands, *Micronesica* 2017-04, 19 pp. Published online 15 January 2018. <http://micronesica.org/volumes/2017>

Kume, M., T. Ishihara, **D.M. Parker**, and G.H. Balazs.

2017. Habitat use of sea turtles in the coastal waters around Tanegashima Island, Kagoshima Prefecture. (In Japanese, Abstract in English). *Umigame Newsletter of Japan* #105 2017. pp. 2-10.

Briscoe, D., **D. Parker**, S. Bograd, E. Hazen; K. Scales, G. Balazs, M. Kurita, T. Saito, H. Okamoto, M. Rice, J. Polovina, and L. Crowder

2016. Multi-year tracking reveals extensive pelagic phase of juvenile loggerhead sea turtles in the North Pacific. *Movement Ecology* (2016) 4:23. doi 10.1186/s40462-016-0087-4

Briscoe D.K., **D.M. Parker**, G.H. Balazs, M. Kurita, T. Saito, H. Okamoto, M. Rice, J.J. Polovina, and L.B. Crowder.

2016. Active dispersal in loggerhead sea turtles (*Caretta caretta*) during the 'lost years'. *ProcRSocLondB* 283: 20160690. doi: 10.1098/rspb.2016.0690.

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Oki, K., T. Arata, C. K. Ng, **D. Parker** and G. Balazs.

2016. Satellite tracking of a loggerhead and a green turtle nesting individuals in Amami-oshima. In *Proceedings of Japanese Sea Turtle Symposium in Inchinomiya, Japan*.

Roberson, K., M. Kendall, **D. Parker** and S. Murakawa.

2016. Chapter 5: Sea Turtles. *In: Costa, B.M. and M.S. Kendall (eds.). Marine Biogeographic Assessment of the Main Hawaiian Islands*. Bureau of Ocean Energy Management and National Oceanic and Atmospheric Administration. OCS Study BOEM 2016-035 and NOAA Technical Memorandum NOS NCCOS 214. 359 pp.

Balazs, G., **D. Parker**, J. Gorman, J. Luecke, and J. Pawloski.

2015. Settling down in Hawaii: adaptation of captive-bred green turtles (*Chelonia mydas*) released from the Maui Ocean Center. *Marine Turtle Newsletter* No. 145:22-26.

- Parker, D.M.**, G.H. Balazs, K. Frutchey, E. Kabua, M. Langridrik & K. Boktok.  
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- Saito, T., M. Kurita, H. Okamoto, I. Uchida, **D. Parker**, and G. Balazs.  
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2014. Dossier of documents for China/ USA Sea Turtle Workshop in Hawaii 2014. Convened by NOAA, CAFS, USGS, 25-29 August 2014, 99p. 99pp
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2014. First use of a GPS satellite tag to track a post-nesting hawksbill (*Eretmochelys imbricata*) in the Hawaiian Islands with an indication of possible mortality. *Marine Turtle Newsletter* 142:10-13

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2014. Novel use of satellite tracking as a forensic tool to determine foraging ground of a rescued green turtle (*Chelonia mydas*). *Marine Turtle Newsletter* 142:1-3

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2013. A model of loggerhead sea turtle habitat and movement in the Oceanic North Pacific. *PLoS ONE*, Vol.8, Issue 9, e73274.

D.R. Kobayashi, R. Farman, **D.M. Parker**, J.J. Polovina, A.S. Ren, M. Rice, and G.H. Balazs.

2012. Pelagic habitat characterization of loggerhead turtles, *Caretta caretta*, in the South Pacific Ocean (2008-2009): insights from satellite tag tracking and environmental data. p. 156. *In*: Jones, T. Todd and Wallace, Bryan P., compilers. 2012 (Updated November 2012). Proceedings of the Thirty-First Annual Symposium on Sea Turtle Biology and Conservation. NOAA Technical Memorandum NOAA NMFS-SEFSC-631: 322p.

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2011. Loggerhead turtle (*Caretta caretta*) movement off the coast of Taiwan: characterization of a hotspot in the East China Sea and investigation of mesoscale eddies. *ICES J. Mar. Sci.*

Kobayashi, D.R., R. Farman, **D.M. Parker**, J.J. Polovina, A.S. Ren, M. Rice, and G.H. Balazs.

2011. Pelagic habitat characterization of loggerhead turtles, *Caretta caretta*, in the South Pacific Ocean (2008-2009): insights from satellite tag tracking and environmental data. *In* T.T. Jones and B.P. Wallace (comps.), Proceedings of the Thirty-First Annual Symposium on Sea Turtle Biology and Conservation, April 10-16, 2011, San Diego, California, p. 156. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-631.

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2011. Oceanic diet and distribution of haplotypes for the green turtle, *Chelonia mydas*, in the central North Pacific. *Pac. Sci.* 65(4):419-431.

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**Parker, D.M.**, G.H. Balazs, C.S. King, L. Katahira, and W. Gilmartin.

2009. Short-range movements of hawksbill turtles (*Eretmochelys imbricata*) from nesting to foraging areas within the Hawaiian Islands. *Pac. Sci.* 63(3):371-382.

Chaloupka, M., **D. Parker**, and G. Balazs.

2008. Modelling post-release mortality of pelagic loggerhead sea turtles exposed to the Hawaii-based longline fishery. *In* H. Kalb, A. S. Rohde, K. Gayheart, and K. Shanker (comps.), Proceedings of the Twenty-Fifth Annual Symposium on Sea Turtle Biology and Conservation, January 18-22, 2005, Savannah, Georgia, p. 55. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-582.

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2008. The adventures of three green turtles crossing the Gulf of Mexico (post-nesting migrations of green sea turtles in Lechuguillas, Veracruz-Mexico). *In* R. B. Mast, B. J. Hutchinson, and A. H. Hutchinson (comps.), Proceedings of the Twenty-Fourth Annual Symposium on Sea Turtle Biology and Conservation, February 22-29, 2004, San Jose, Costa Rica, p. 199. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-567.

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2008. TurtleWatch: A tool to aid in the bycatch reduction of loggerhead turtles *Caretta caretta* in the Hawaii-based pelagic longline fishery. *Endang. Species Res.* 5:267-278.

Kobayashi, D.R., J.J. Polovina, **D.M. Parker**, N. Kamezaki, I.-J. Cheng, I. Uchida, P.H. Dutton, and G.H. Balazs.

2008. Pelagic habitat characterization of loggerhead sea turtles, *Caretta caretta*, in the North Pacific Ocean (1997-2006): Insights from satellite tag tracking and remotely sensed data. *J. Exp. Mar. Biol. Ecol.* 356:96-114.

**Parker, D.M.** and G.H. Balazs.

2008. Diet of the oceanic green turtle, *Chelonia mydas*, in the North Pacific. *In* H. Kalb, A. S. Rohde, K. Gayheart, and K. Shanker (comps.). Proceedings of the Twenty-Fifth Annual Symposium on Sea Turtle Biology and Conservation, January 16-22, 2005, Savannah, Georgia, p. 94-95. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-582.

Polovina, J.J., G.H. Balazs, E.A. Howell, **D.M. Parker**, M.P. Seki, and P.H. Dutton.

2008. Foraging hot spots and migration corridors for loggerhead (*Caretta caretta*) and olive ridley (*Lepidochelys olivacea*) sea turtles in the oceanic North Pacific. *In* R. B. Mast, B. J. Hutchinson, and A. H. Hutchinson (comps.), Proceedings of the Twenty-Fourth Annual Symposium on Sea Turtle Biology and Conservation, February 22-29, 2004, San Jose, Costa Rica, p. 84. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-567.

Seminoff J.A., P. Zarate, M. Coyne, D.G. Foley, **D. Parker**, B.N. Lyon and P.H. Dutton.

2008. Post-nesting migrations of Galapagos green turtles *Chelonia mydas* in relation to oceanographic conditions: integrating satellite telemetry with remotely sensed ocean data. *Endang. Spec. Res.* 4:57-72.

Benson, S.R., K.M. Kisokau, L. Ambio, V. Rei, P.H. Dutton, and **D. Parker**.

2007. Beach use, interesting movement, and migration of leatherback turtles, *Dermochelys coriacea*, nesting on the north coast of Papua New Guinea. *Chelonian Conservation and Biology* 6:7-14
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2007. Post-nesting migrations of leatherback turtles (*Dermochelys coriacea*) from Jamursba-Medi, Bird's Head Peninsula, Indonesia. *Chelonian Conservation and Biology* 6:150-154.
- Eames, S.E., G.H. Balazs, T.M. Work, R.A. Rameyer, **D.M. Parker**, and S.K.K. Murakawa.  
2006. Organ weights of green turtles stranded in the Hawaiian Islands, p. 210-212. *In* N. J. Pilcher (comp.), *Proceedings of the Twenty-Third Annual Symposium on Sea Turtle Biology and Conservation*, March 17-21, 2003, Kuala Lumpur, Malaysia. U.S. Dep. Commer., NOAA. Tech. Memo. NMFS-SEFSC-536.
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- Parker, D.M.**, W.J. Cooke, and G.H. Balazs.  
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1999. A preliminary assessment of the sea turtles and sea turtle habitats of Saipan, Commonwealth of the Northern Mariana Islands. 75 pp

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1999. Turtles on the edge: Movement of the loggerhead turtles (*Caretta caretta*) along oceanic fronts, in the central North Pacific, 1997-1998. [Abstrac]. 2<sup>nd</sup> ASEAN Symposium and Workshop on Sea Turtle Biology and Conservation, Sabah Malaysia.

Balazs, G.H., **D.M. Ellis**, W.G. Gilmartin, and L.K. Katahira.

1997. Use of satellite telemetry to determine migratory routes and resident foraging habitats of nesting hawksbill turtles: A case study in the Hawaiian Islands. The International Workshop on the Management of Marine Turtles, February 3-4, 1997, Kuta, Bali, Indonesia, 16 p.

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1992. Bottom trawl catches of juvenile opakapaka, *Pristipomoides filamentosus*, (F. Lutjanidae), and associated fishes, TOWNSEND CROMWELL cruise TC-90-10, 1990. NMFS-SWFC Honolulu Lab Admin Rep, H-92-03.

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1991. Study of size at first maturity and batch fecundity of *Hypostomus* sp. in Manoa Stream (Honolulu, Hawaii) (Family: Loricariidae). Internal study and report done for Division of Aquatic Resources, State of Hawaii.

**Ph.D. DISSERTATIONS AND M.S. THESES SIGNIFICANTLY MENTORED AND  
SUPPORTED BY DENISE M. PARKER (N=3)**

Peckham, H. 2008. Demographic and conservation implications of alternative foraging strategies in juvenile loggerheads in the North Pacific. Ph.D. dissertation, University of California, Santa Cruz, USA.

Börjesson, L. 2000. An ecological assessment of green turtles (*Chelonia mydas*) in coastal foraging and resting habitats of Kailua Bay, Laniakea, and Papailoa, on Oahu, Hawaiian Islands. M.S. thesis, University of Gothenburg, Sweden.

Sigurdsson, A. 2000. An ecological assessment of green turtles (*Chelonia mydas*) in coastal foraging and resting habitats of Hanauma Bay and Wawamalu, Oahu, Hawaiian Islands, USA. M.S. thesis, University of Gothenburg, Sweden.

**SCIENTIFIC ASSISTANCE AND INTERNATIONAL COLLABORATION  
PARTICIPATION BY DENISE M. PARKER (N=26)**

Port of Nagoya Public Aquarium, Japan	7/2011	Satellite telemetry of loggerhead turtles
Underwater World, Singapore	8/2010	Satellite telemetry of captive-bred hawksbill turtles
Yadua Island, Denimanu Village, Fiji	7/2010	Satellite telemetry of loggerhead turtles
Port of Nagoya Public Aquarium, Japan	4/2010	Satellite telemetry of loggerhead turtles
Taronga Zoo, Sydney, Australia	1/2010	Satellite telemetry of loggerhead turtles
Sea Turtle Association of Japan – Muroto Cape and Kobe	11/2009	Satellite telemetry of loggerhead turtles
Port of Nagoya Public Aquarium, Japan	4/2009	Satellite telemetry of loggerhead turtles
Noumea Aquarium, New Caledonia	9/2008	Satellite telemetry of loggerhead turtles
Port of Nagoya Public Aquarium, Japan	9/2007	Satellite telemetry of loggerhead turtles
SPREP – Bora Bora, French Polynesia	11/2006	Satellite telemetry of green turtles
Port of Nagoya Public Aquarium, Japan	10/2006	Satellite telemetry of loggerhead turtles
Nanyang Technological University and Underwater World, Singapore	7/2006	Satellite telemetry of loggerhead, olive ridley and green turtles
NMFS/PIFSC International Training – Honolulu, Hawaii	3/2006	Field studies and satellite telemetry training
Port of Nagoya Public Aquarium, Japan	7/2005	Satellite telemetry of loggerhead turtles
Port of Nagoya Public Aquarium, Japan	4/2005	Satellite telemetry of loggerhead turtles
NMFS/PIFSC International Training – Honolulu, Hawaii	11/2004	Field study and satellite tagging training

Port of Nagoya Public Aquarium, Japan	4/2004	Satellite telemetry of loggerhead turtles
Port of Nagoya Public Aquarium, Japan	11/2003	Satellite telemetry of loggerhead turtles
Port of Nagoya Public Aquarium, Japan	4/2003	Satellite telemetry of loggerhead turtles
Saipan, Commonwealth of the Northern Mariana Islands	1/1999	Population and habitat survey for green turtles
Environmental Research and Wildlife Development Agency – in the United Arab Emirates Abu Dhabi, UAE	5/1999	Satellite telemetry of hawksbill turtles
Environmental Research and Wildlife Development Agency – in the United Arab Emirates Abu Dhabi, UAE	5/1998	Satellite telemetry of green turtles
Republic of Seychelles	1/1998	Satellite telemetry of hawksbill turtles nesting at Cousin Island
National Taiwan Ocean University and Council of Agriculture	8/1996	Satellite telemetry of green turtles nesting at Wan-An Island, Peng-Hu Archipelago (Phase III)
National Taiwan Ocean University and Council of Agriculture	8/1995	Satellite telemetry of green turtles nesting at Wan-An Island, Peng-Hu Archipelago (Phase II)
National Taiwan Ocean University and Council of Agriculture	8/1994	Satellite telemetry of green turtles nesting at Wan-An Island, Peng-Hu Archipelago (Phase I)



**PROFESSIONAL MEETINGS ATTENDED BY DENISE M. PARKER (N=18)**

Marine Wildlife Ecology and Conservation Workshop	01/2017	Xiamen, PR China
Thirty-Sixth International Sea Turtle Symposium	02/2016	Lima, Peru
East Asia Regional Meeting	02/2016	Lima, Peru
Trans-Pacific Regional Workshop: Conservation of migratory species: Single Species Action Plan for Loggerhead Turtle in the South Pacific Ocean	02/2016	Lima, Peru
China/ USA Sea Turtle Workshop	08/2014	Honolulu, Hawaii
Southwest Fisheries Science Center, Data Management Seminar	11/2006	La Jolla, California
NMFS/SWFC Planning Meeting on Longline Sea Turtle Bycatch	11/2001	San Diego, California
Twenty-First Annual Sea Turtle Symposium	02/2001	Philadelphia, Pennsylvania
Working Group Meeting on Reducing Turtle By-Catch in the Hawaii Longline Fishery	01/2001	San Diego, California
Southwest Fisheries Science Center Sea Turtle Strategic Planning Meeting	11/2000	La Jolla, California
Pacific Region Training Workshop on the Use of Satellite Transmitters and the Argos System to Track the Post-Nesting Migrations of Hawksbill Turtles	08/2000	Honolulu, Hawaii
Twentieth Annual Sea Turtle Symposium	03/2000	Orlando, Florida

Nineteenth Annual Sea Turtle Symposium	03/1999	South Padre Island, Texas
1998 Pacific Sea Turtle Recovery Implementation Workshop: American Samoa, CNMI, Guam and Hawaii	08/1998	Honolulu, Hawaii
Eighteenth Annual Sea Turtle Symposium	03/1998	Mazatlan, Mexico
1997 Workshop on Marine Turtle Fibropapillomatosis	12/1997	Honolulu, Hawaii
Seventeenth Annual Sea Turtle Symposium	03/1997	Orlando, Florida
Workshop on the Status of Marine Turtles in the Pacific Ocean	12/1995	Honolulu, Hawaii
Workshop on Handling Techniques Resuscitation, and Avoidance Strategies for Hooking Interactions with Sea Turtles in the North Pacific Pelagic U.S. Longline Fishery	03/1995	Honolulu, Hawaii

**EDUCATIONAL OUTREACH CONDUCTED BY  
DENISE M. PARKER**

Philomath Middle School Science Fair	6/2015	Philomath, OR
Gorman Crossing Elementary School, Grades 2, 4, and 5.	5/2011	Laurel, MD
Gorman Crossing Elementary School, Grades 1 and 3.	4/2010	Laurel, MD
5 <sup>th</sup> Annual HMSC SeaFest	6/2007	Newport, OR
Eddyville Charter School, Grade 1	9/2006	Eddyville, OR
Nature Discovery School, Grades K-3	5/2006	Toledo, OR
4 <sup>th</sup> Annual HMSC SeaFest	6/2005	Newport, OR
Oleai Elementary School, Grades K-6	4/1999	Saipan, CNMI
Leeward Community College	1/1999	Honolulu, HI