



**U.S. DEPARTMENT OF COMMERCE**  
**National Oceanic and Atmospheric Administration**  
**NATIONAL MARINE FISHERIES SERVICE**  
**Pacific Islands Fisheries Science Center**  
**2570 Dole St. • Honolulu, Hawaii 96822-2396**  
**(808) 983-5731 • Fax: (808) 983-2902**

**BIBLIOGRAPHY OF TERRESTRIAL BASKING  
AND NON-NESTING EMERGENCE  
IN MARINE TURTLES**

January 2017

Compiled by

Shawn K. K. Murakawa

George H. Balazs

Marine Turtle Biology and Assessment Program

\*ORGANIZED CHRONOLOGICALLY BY ALPHABETICAL ORDER OF FIRST AUTHOR\*

Amerson, A.B., Jr.

1971. The natural history of French Frigate Shoals, Northwestern Hawaiian Islands.  
Atoll Res. Bull. 150:1-303.

Amerson, A.B., Jr., R.B. Clapp, and W.O. Wirtz II.

1974. The natural history of Pearl and Hermes Reef, Northwestern Hawaiian Islands.  
Atoll Res. Bull. 174:1-306.

Ariyoshi, R.

2008. Three perfect days O‘ahu. Hemispheres Magazine. October 2008, p. 53-55.

Balazs, G.H. and E. Ross.

1974. Observations on the basking habit in the captive juvenile Pacific green turtle.  
Copeia 1974(2):542-544.

Balazs, G.H.

1975. Green turtle's uncertain future. Defenders 50(6):521-613.

1976. Hawaii's seabirds, turtles and seals. Worldwide Distributors, Ltd., Honolulu, 32 p.

1978. Terrestrial critical habitat for sea turtles under United States jurisdiction in the  
Pacific Region. 'Elepaio 39(4):37-41.

1980. Synopsis of biological data on the green turtle in the Hawaiian Islands. U.S. Dep.  
Commer., NOAA Tech. Memo. NMFS-SWFSC-7 and University of Hawaii Sea Grant  
Cooperative Report CR-81-02, 141 p.

1983. Recovery records of adult green turtles observed or originally tagged at French  
Frigate Shoals, Northwestern Hawaiian Islands. U.S. Dep. Commer., NOAA Tech.  
Memo. NMFS-SWFSC-36, 42p.

1985. Status and ecology of marine turtles at Johnston Atoll. *Atoll Res. Bull.* No. 285, 46 p.
- Balazs, G.H., W.C. Dudley, L.E. Hallacher, J. Coney, and S.K. Koga.  
 1994. Ecology and cultural significance of sea turtles at Punalu'u, Hawaii. *In Proceedings of the Fourteenth Annual Symposium on Sea Turtle Biology and Conservation*, March 1-5, 1994, Hilton Head, South Carolina, p. 10-13. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-351.
- Balazs, G.H.  
 1996. Behavioral changes within the recovering Hawaiian green turtle population. *In J.A. Keinath, D.E. Barnard, J.A. Musick, and B.A. Bell (comps.)*, *Proceedings of the Fifteenth Annual Symposium on Sea Turtle Biology and Conservation*, February 20-25, 1995, Hilton Head, South Carolina, p. 16-21. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-387.
- Balazs, G.H. and D.M. Ellis.  
 2000. Satellite telemetry of migrant male and female green turtles in the Hawaiian Islands. *In F.A. Abreu-Grobois, R. Briseño-Dueñas, R. Márquez-Millán, and L. Sarti-Martínez (comps.)*, *Sixteenth Symposium Proceedings Addendum in the Proceedings of the Eighteenth International Sea Turtle Symposium*, March 3-7, 1998, Mazatlán, Sinaloa, México, p. 281-283. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-436.
- Balazs, G.H., M. Rice, S.K.K. Murakawa, and G. Watson.  
 2000. Growth rates and residency of immature green turtles at Kiholo Bay, Hawaii. *In F.A. Abreu-Grobois, R. Briseño-Dueñas, R. Márquez-Millán, and L. Sarti-Martínez (comps.)*, *Sixteenth Symposium Proceedings Addendum in the Proceedings of the Eighteenth International Sea Turtle Symposium*, March 3-7, 1998, Mazatlán, Sinaloa, México, p. 283-285. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-436.
- Balazs, G.H., M.R. Rice, N. Hoffman, S.K.K. Murakawa, D.M. Parker, and R.J. Shallenberger.  
 2005. Green turtle foraging and resting habitats at Midway Atoll: Significant findings over 25 years, 1975-2000. *In M.S. Coyne and R.D. Clark (comps.)*, *Proceedings of the Twenty-first Annual Symposium on Sea Turtle Biology and Conservation*, February 24-28, 2001, Philadelphia, Pennsylvania, p. 100-102. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-528.
- Bennett, P.A. and U. Keuper-Bennett.  
 2008. *The book of honu: Enjoying and learning about Hawaii's sea turtles*. University of Hawaii Press, Honolulu, Hawaii, 152 p.

- Brock, V.E.  
 1951. Some observations on the Laysan duck, *Anas wyvilliana laysanensis*. Auk 68(3):371-372.
- Bustard, R.  
 1973. Kay's turtles. Collins, London, 128 p.
- Carr, A.  
 1964. Transoceanic migrations of the green turtle. Bioscience 14:49-52.  
 1977. The reptiles. Time-Life Books, Alexandria, Virginia, 192 p.
- Ching, P. and G. Balazs (Science Advisor).  
 2001. Sea turtles of Hawaii. University of Hawaii Press, Honolulu, Hawaii, 55 p.
- Clapp, R.B. and W.O. Wirtz II.  
 1975. The natural history of Lisianski Island, Northwestern Hawaiian Islands. Atoll Res. Bull. 186:1-196.
- Clapp, R.B. and E. Kridler.  
 1977. The natural history of Necker Island, Northwestern Hawaiian Islands. Atoll Res. Bull. 206:1-102.
- Clapp, R.B., E. Kridler, and R.R. Fleet.  
 1977. The natural history of Nihoa Island, Northwestern Hawaiian Islands. Atoll Res. Bull. 207:1-147.
- Davis, E.E., M.R. Rice, K.A. Harrington, and G.H. Balazs.  
 2000. Green turtle diving and foraging patterns at Puako, Hawaii. In H. Kalb and T. Wibbels (comps.), Proceedings of the Nineteenth Annual Symposium on Sea Turtle Biology and Conservation, March 2-6, 1999, South Padre Island, Texas, p. 153-154. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-443.
- De Leon, A.  
 2009. Joanne Pettigrew & *Malama na Honu*. Tortuga Gazette 45(2):8-9.
- Dizon, A.E. and G.H. Balazs.  
 1982. Radio telemetry of Hawaiian green turtles at their breeding colony. Mar. Fish. Rev. 44(5):13-20.
- Elliot, J.L.  
 1978. Hawaii's far-flung wildlife paradise. National Geographic 153(5):670-691.

- Ely, C.A. and R.B. Clapp.  
1973. The natural history of Laysan Island, Northwestern Hawaiian Islands. Atoll Res. Bull. 171:1-361.
- Essoyan, S.  
2005. Turtle trouble: Area residents complain about blocked homes and animal mistreatment. Honolulu Star-Bulletin, Sunday, August 14, 2005.  
<http://archives.starbulletin.com/2005/08/14/news/index1.html>
- Forsyth, R.G. and G.H. Balazs.  
1989. Species profiles: Life histories and environmental requirements of coastal vertebrates and invertebrates Pacific Ocean region. Report 1. Green turtle, *Chelonia mydas*. Technical Report EL-89-10, 20 p. Prepared by Natl. Mar. Fish. Serv., NOAA, Honolulu, HI, for the U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS 39181-0631.
- Fritts, T.H.  
1981. Marine turtles of the Galapagos Islands and adjacent areas of the Eastern Pacific on the basis of observations made by J. R. Slevin 1905-1906. J. Herpetol. 15(3):293-301.
- Garnett, S.T., G.M. Crowley, and N. Goudberg.  
1985. Observations of non-nesting emergence by green turtles in the Gulf of Carpentaria. Copeia 1985(1):262-264.
- Grant, C.  
1927. Note on sea turtles. Copeia 164:69.
- Green, D.  
1998. Basking in Galapagos green turtles. In S.P. Epperly and J. Braun (comps.), Proceedings of the Seventeenth Annual Sea Turtle Symposium, March 4-7, 1997, Orlando, Florida, p. 63-65. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-415.  
2003. Movements of green turtles within and without the Galapagos Archipelago, Ecuador. In J. Seminoff (comp.), Proceedings of the Twenty-second Annual Symposium on Sea Turtle Biology and Conservation, April 4-7, 2002, Miami, Florida, p. 74-75. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-503.

- Harrington, K.A., M.R. Rice, and G.H. Balazs.
2002. Habitat use of mixohaline fish ponds by green turtles at Kiholo Bay, Hawaii. *In* A. Mosier, A. Foley, and B. Brost (comps.), Proceedings of the Twentieth Annual Symposium on Sea Turtle Biology and Conservation, February 29-March 4, 2000, Orlando, Florida, p. 285-286. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-477.
- Hirth, H.F.
1971. Basking. *In* Synopsis of biological data on the green turtle *Chelonia mydas* (Linnaeus) 1758. FAO Fisheries Synopsis No. 85, p. 25.
- Hirth, H.F.
1997. Hardiness. *In* Synopsis of the biological data on the green turtle *Chelonia mydas* (Linnaeus 1758). U.S. Fish and Wildlife Service, Biological Report 97 (1), p. 45.
- Hoover, J.P.
2002. Green turtle, honu, *Chelonia mydas*. *In* Hanauma Bay: A marine life guide to Hawai'i's most popular nature preserve. Mutual Publishing, Honolulu, Hawaii.
- Kaiser, S.
1984. Information on basking sea turtles requested. Mar. Turt. Newslett. 31:7.
- Kam, A.K.H.
1984. An unusual example of basking by a green turtle in the Northwestern Hawaiian Islands. 'Elepaio 45(1):3.
- Kenyon, K.W. and D.W. Rice.
1959. Life history of the Hawaiian monk seal. Pac. Sci. 13(3):215-252.
- Limpus, C.J., J.D. Miller, and N. Preece.
1994. The basking greens of Bountiful Island - Kay's turtles revisited. *In* K.A. Bjorndal, A.B. Bolten, and D.A. Johnson (comps.), Proceedings of the Fourteenth Annual Symposium on Sea Turtle Biology and Conservation, March 1-5, 1994, Hilton Head, South Carolina, p. 76-77. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-351.
- Limpus, C.J. and D.J. Limpus.
2003. Biology of the loggerhead turtle in western south Pacific Ocean foraging areas. *In* A.B. Bolten and B.E. Witherington (eds.), Loggerhead sea turtles, chapter 6, Washington, p. 93-113.

- Limpus, C.J., K.M. Winter, J. Meech, H.J. Fisher, M.S. Harvey, and J.P. Hyde.  
2008. Queensland turtle conservation project Northwest Island study 2007-2008.  
Conservation Tech. and Data Report 2008(4), 11 p.
- Limpus, C.J. and J.D. Miller.  
2008. Basking, p. 112-113. *In* Australian hawksbill turtle population dynamics project.  
The State of Queensland, Environmental Protection Agency.
- Lutz, P., J.A. Musick, and J. Wyneken (eds.)  
1997. Basking. *In* The biology of sea turtles, p. 169, 304-305. CRC Press LLC, Boca Raton, Florida.
- Mellen, I.M.  
1925. Marine turtles sleep on Hawaiian sands. New York Zoological Society Bulletin, 28:160-161.
- Perrine, D.  
2002. Sea turtles of the world. Voyageur Press, Inc., Stillwater, Minnesota, 144 p.
- Pitt, A.L.  
2008. Community conservation of basking green sea turtles: Recommendations for Punalu'u, Hawaii. *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. 178-179. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-582.
- Pritchard, P.C.H. and W.F. Greenhood.  
1968. The sun and the turtle. International Turtle and Tortoise Society Journal 2:20-25, 34-35.
- Quaintance, J.K., M.R. Rice, and G.H. Balazs.  
2003. Basking, foraging, and resting behavior of two sub-adult green turtles in Kiholo Bay Lagoon, Hawaii. *In* J. Seminoff (comp.), Proceedings of the Twenty-second Annual Symposium on Sea Turtle Biology and Conservation, April 4-7, 2002, Miami, Florida, p. 225-226. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-503.  
2005. Monitoring sea turtle basking behavior with remote video cameras. *In* M.S. Coyne and R.D. Clark (comps.), Proceedings of the Twenty-first Annual Symposium on Sea Turtle Biology and Conservation, February 24-28, 2001, Philadelphia, Pennsylvania, p. 282-283. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-528.

- Rauzon, M.J.
2001. Isles of refuge: wildlife and history of the Northwestern Hawaiian Islands. University of Hawaii Press, Honolulu, Hawaii, 205 p.
- Rice, M.R. and G.H. Balazs.
2000. Obake turtles of Hawaii. In H. Kalb and T. Wibbels (comps.), Proceedings of the Nineteenth Annual Symposium on Sea Turtle Biology and Conservation, March 2-6, 1999, South Padre Island, Texas, p. 172. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-443.
- Rice, M.R., G.H. Balazs, L. Hallacher, W. Dudley, G. Watson, K. Krussell, and B. Larson.
2000. Diving, basking, and foraging patterns of a sub-adult green turtle at Punalu'u, Hawaii. In F.A. Abreu-Grobois, R. Briseño-Dueñas, R. Márquez-Millán, and L. Sarti-Martínez (comps.), Proceedings of the Eighteenth International Sea Turtle Symposium, March 3-7, 1998, Mazatlán, Sinaloa, México, p. 229-231. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-436.
- Rice, M.R., D.K. Kopra, G.H. Balazs, and G.C. Whittow.
2002. Ecology and behavior of green turtles basking at Kiholo Bay, Hawaii, USA. In A. Mosier, A. Foley, and B. Brost (comps.), Proceedings of the Twentieth Annual Symposium on Sea Turtle Biology and Conservation, February 29-March 4, 2000, Orlando, Florida, p. 153-155. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-477.
- Rice, M.R., G.H. Balazs, and D. Zatz.
2005. Seaturtlecam: Live interactive video feed of basking Hawaiian green turtles. In M.S. Coyne and R.D. Clark (comps.), Proceedings of the Twenty-first Annual Symposium on Sea Turtle Biology and Conservation, February 24-28, 2001, Philadelphia, Pennsylvania, p. 297-298. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-528.
- Scott, S.
2001. Ocean watch: Healthy turtles often bask in human company. Honolulu Star-Bulletin, Friday, April 20, 2001, p. A2.  
<http://archives.starbulletin.com/2001/04/20/news/oceanwatch.html>
- Sheekey, E.A.
1982. Green turtles basking on Tern Island, French Frigate Shoals. 'Elepaio 43(6):45-47.
- Smith, C.
2002. Apparent beach basking of an Atlantic green turtle (*Chelonia mydas*) at Dry Tortugas National Park, Florida. Mar. Turt. Newslett. 97:11.

- Smith, D.
1999. Turtles basking on isle shores confound scientists. Hawaii Tribune Herald, Sunday, February 28, 1999, p. 1-2.
- Smith, E.N., N.C. Long, and J. Wood.
1986. Thermoregulation and evaporative water loss of green sea turtles, *Chelonia mydas*. *J. Herpetol.* 20(3):325-332.
- Snell, H.L. and T.H. Fritts.
1983. The significance of diurnal terrestrial emergence of green turtles (*Chelonia mydas*) in the Galapagos Archipelago. *Biotropica* 15(4):285-291.
- Snover, M. and M. Sullivan.
2008. Long-term trends in basking Hawaiian green turtles in the Northwestern Hawaiian Islands. [Abstract] *In* Hawaiian Conservation Alliance (comp.), Abstracts 2008 Hawai‘i Conservation Conference, Island Ecosystems: The Year of the Reef, July 29-31, 2008, Honolulu, Hawaii, p. 27.
- Spotila, J.R. and E.A. Standora.
1985. Environmental constraints on the thermal energetics of sea turtles. *Copeia* 1985(3):694-702.
- Strydom, A.
2012. Green turtle intertidal basking aggregation fidelity in Great Sandy Marine Park. *In* L. Belskis, M. Frick, A. Panagopoulou, A.F. Rees, and K. Williams (comps.), Proceedings of the Twenty-ninth Annual Symposium on Sea Turtle biology and Conservation, February 17-19, 2009, Brisbane, Australia, p. 15. U.S. Dep. Commer. NOAA Tech. Memo. NMFS-SEFSC-630.
- Swimmer, J.Y., G.C. Whittow, and G.H. Balazs.
1996. Atmospheric basking in the Hawaiian green turtle, *Chelonia mydas*: comparisons of tumored and non-tumored turtles. *In* J.A. Keinath, D.E. Barnard, J.A. Musick, and B.A. Bell (comps.), Proceedings of the Fifteenth Annual Symposium on Sea Turtle Biology and Conservation, Hilton Head, South Carolina, p. 318-322. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-387.
- Swimmer, J.Y. and G.H. Balazs.
1998. The biology of basking in the green turtle, *Chelonia mydas*. *In* R. Byles and Y. Fernandez (comps.), Proceedings of the Sixteenth Annual Symposium on Sea Turtle Biology and Conservation, February 28-March 1, 1996, Hilton Head, South Carolina, p. 128-130. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-412.

2000. The biology of basking in the green turtle (*Chelonia mydas*). In F.A. Abreu-Grobois, R. Briseño-Dueñas, R. Márquez-Millán, and L. Sarti-Martínez (comps.), Proceedings of the Eighteenth International Sea Turtle Symposium, March 3-7, 1998, Mazatlán, Sinaloa, México, p. 233-234. U.S. Dep. Commer., NOAA Tech. Memo. NMFS-SEFSC-436.
- Swimmer, J.Y.  
 2006. Relationship between basking and fibropapillomatosis in captive green turtles (*Chelonia mydas*). Chelonian Conservation and Biology 5(2):305-309.
- Tarr, P.W.  
 1987. Non-nesting emergence by green turtles *Chelonia mydas* at the Curene River mouth, South West Africa, Namibia. Madoqua 15(3):267-268.
- Van Houtan, K.S., J.M. Halley, and W. Marks.  
 2015. Terrestrial basking sea turtles are responding to spatio-temporal sea surface temperature patterns. Biol. Letters 11:20140744.  
<http://dx.doi.org/10.1098/rsbl.2014.0744>.
- Wetmore, A.  
 1925. Bird life among lava rock and coral sand. National Geographic 48:77-108.
- Whittow, G.C. and G.H. Balazs.  
 1979. The thermal biology of Hawaiian basking green turtles (*Chelonia mydas*). Am. Zool. 19(3):981.  
 1982. Basking behavior of the Hawaiian green turtle (*Chelonia mydas*). Pac. Sci. 36(2):129-139.  
 1985. The thermal ecology of basking green turtles (*Chelonia mydas*). Natl. Geogr. Res. Rep., 1977 projects, p. 789-796.
- Woodward, P.W.  
 1972. The natural history of Kure Atoll, Northwestern Hawaiian Islands. Atoll Research Bulletin 164:1-318.
- Zárate, P.M., S.S. Cahoon, M.C.D. Contato, P.H. Dutton, and J.A. Seminoff.  
 2006. Basking behavior of green turtles in the Galapagos Islands. In M. Frick, A. Panagopoulou, A. F. Rees, and K. Williams (comps.), Book of Abstracts of the Twenty-sixth Annual Symposium on Sea Turtle Biology and Conservation, April 3-8, 2006, Island of Crete, Greece, p. 118. International Sea Turtle Society.

THESES

---

Swimmer, J.Y.

1997. Physiological consequences of basking, disease, and captivity in the green turtle (*Chelonia mydas*). Ph.D. Dissertation, University of Michigan, 98 p.

UNPUBLISHED REPORTS

---

Balazs, G.H.

1977. Ecological aspects of green turtles at Necker Island. A report based on an expedition to the Hawaiian Islands National Wildlife Refuge, Northwestern Hawaiian Archipelago. Hawaii Institute of Marine Biology, 29 p.

National Park Service (U.S. Dept. of the Interior) and Kaloko-Honokohau National Historical Park.

*E Mālama i Na Honu*, Care for the sea turtles, 2 p.

WEB PAGES

---

The Artist Cottage.

2009. Beloved sea turtle. <http://bigislandvacationcottage.com/turtle.htm>

Bennett, P. and U. Keuper-Bennett.

1997. Turtle Trax: A page devoted to marine turtles. <http://www.turtles.org/>

SeaWorld Education Department.

2005. Sea turtles, p. 9. In SeaWorld Education Department Publication, Animal Infobooks. Discovery Cove. <http://seaworld.org/animal-info/info-books/sea-turtle/pdf/ib-sea-turtle.pdf>

Sullivan, B.N.

2009. The Right Blue: Recounting a lifetime of ocean devotion. Hawaiian green sea turtles. <http://therightblue.com/2009/05/hawaiian-green-sea-turtles.html>

Tropical Divers Maui Hawaii.

2005. Hawaiian sea turtles. <http://www.scubamaui.com/turtles.htm>