

BIOTELEMETRY LABORATORY PUBLICATIONS (2010-2013)

1. Hearn, A., J. Ketchum, and A.P. Klimley. 2010. Hotspots within hotspots? Hammerhead shark movements at Wolf Island in Galapagos Marine Reserve. *Marine Biology*, 157:
2. Hearn, A., S. Henderson, A.P. Klimley, J. Ketchum, and C. Peñaherrera. 2010. Perspectiva regional. Pp. 7-15 in Henderson, S. and A. Hearn (Eds.), Informe Sobre el Estado del los Tiburones del Pacifico Este Tropical. Conservation International, Washington.
3. Klimley, A.P. 2010. Electric field. Pp. 205--209 in Mills, D.S., J.N. Marchant-Forde, P.D. McGreevy, D.B. Morton, C.J. Nicol, C.J.C. Phillips, P. Sandøe, and R.R. Swaisgood (Eds.), The Encyclopedia of Applied Animal Behaviour and Welfare. University of Lincoln, Riseholme Park, United Kingdom.
4. Cocherell, S.A., G.J. Jones, J.B. Miranda, D.E. Cocherell, J.J. Cech, L.C. Thompson, and A.P. Klimley. 2010. Distribution of juvenile and adult rainbow trout, *Oncorhynchus mykiss*, during pulsed flows in the South Fork American River, California. *Environmental Biology of Fishes*, 89:105–116. <http://www.springerlink.com/content/w404p42533287899/fulltext.pdf>
5. Klimley. 2011. Rainbow trout *Oncorhynchus mykiss* energetic responses to pulsed flows in the American River, California, assessed by electromyogram telemetry. *Environmental Biology of Fishes*, 90: 29-41.
<http://www.springerlink.com/content/?k=pub%3a%28Environmental+Biology+of+Fishes%29+vol%3a%2890%29+p%3a%2829%29>.
6. Chun, S.N., S. A. Cocherell, D. E. Cocherell, J.B. Miranda, G.J. Jones, J. Graham, A. P. Klimley, L.C. Thompson and J.J. Cech Jr. 2011. Displacement, velocity preference, and substrate use of three native California stream fishes in simulated pulsed flows. *Environmental Biology of Fishes*, 90: 43-52.
<http://www.springerlink.com/content/?k=pub%3a%28Environmental+Biology+of+Fishes%29+vol%3a%2890%29+p%3a%2843%29>
7. Thompson, L.C., S.A. Cocherell, S. N. Chun, J.J. Cech, Jr., and A.P. Klimley. 2011. Longitudinal movement of fish in response to a single-day flow pulse. *Environmental Biology of Fishes*, 90: 253-261.
<http://www.springerlink.com/content/?k=pub%3a%28Environmental+Biology+of+Fishes%29+vol%3a%2890%29+p%3a%28253%29>
8. Bessudo S., G. Soler, A. P. Klimley, J. T. Ketchum, R. Arauz, and A. Hearn. 2011. Vertical and horizontal movements of hammerhead sharks (*Sphyrna lewini*) at Malpelo Island in the Eastern Tropical Pacific. *Environmental Biology of Fishes*, 91: 165-176.
<http://www.springerlink.com/content/?k=pub%3a%28Environmental+Biology+of+Fishes%29+vol%3a%2891%29+p%3a%28165%29>
9. Anderson, S.D., T.K. Chapple, S.J Jorgensen, A.P. Klimley and B.A Block. 2011. Long-term individual identification and site fidelity of great white sharks, *Carcharodon carcharias*, off California using dorsal fins. *Marine Biology*, 158:1233-1237.
<http://www.springerlink.com/content/?k=pub%3a%28Marine+Biology%29+vol%3a%28158%29+p%3a%281233%29>

10. Nance, H.A., A.P. Klimley, F. Galván-Magaña, Jimmy Martínez-Ortíz, and P.B. Marko. 2011. Demographic processes underlying subtle patterns of population Structure in the Scalloped Hammerhead Shark, *Sphyrna lewini*. *PLoS ONE*, 6 (7): 1-12.
<http://www.plosone.org/search/simpleSearch.action?from=globalSimpleSearch&filterJournals=PLoSONE&query=Nance&x=18&y=17>
11. Cocherell, S.A., S.N. Chun, D.E. Cocherell, J.J. Cech, Jr., and A.P. Klimley. 2012. A lateral-displacement flume for fish behavior and stranding studies during simulated pulsed flows. *Environmental Biology of Fishes*, 93: 143-150.
<http://www.springerlink.com/content/?k=pub%3a%28Environmental+Biology+of+Fishes%29+vol%3a%2893%29+p%3a%28143%29>
12. Curtis, T.H, B.D. Bruce, G. Cliff, S.F.J. Dudley, A.P. Klimley, A.A. Kock, R.N. Lea, C.G. Lowe, J.E. McCosker, G.B. Skomal, J.M. Werry, and J.G. West. 2011. Responding to the risk of white shark attack: updated statistics, prevention, control methods, and recommendations. Pp. 477-509 in M.L. Domeier (ed.), *Global Perspectives on the Biology and Life History of the White Shark*, CRC Press, Boca Raton, 543 pp.
13. Bessudo, S., G.A. Soler, A.P. Klimley, J. Ketchum, R. Arauz, A. Hearn, A. Guzmán, and B. Galmettes. 2012. Vertical and horizontal movements of the scalloped hammerhead shark (*Sphyrna lewini*) around Malpelo and Cocos Islands (Tropical Eastern Pacific) using satellite telemetry. *Boletín de Investigaciones Marinas and Costas*, 40: 91-106.
14. Grigg, E.K., A.P. Klimley, S.G. Allen, D.E. Green, D.L Elliott-Fisk, and H. Markowitz. 2012. Foraging distribution of harbor seals *Phoca vitulina richardii* in a highly-impacted estuary. *Journal of Mammalogy*, 93: 282-293. <http://www.bioone.org/doi/abs/10.1644/11-MAMM-A-128.1>
15. Kelly, J.T. and A.P. Klimley. 2012. Relating the swimming movements of green sturgeon to the movement of water currents. *Environmental Biology of Fishes*, 93: 151-167.
<http://www.springerlink.com/content/?k=pub%3a%28Environmental+Biology+of+Fishes%29+vol%3a%2893%29+p%3a%28151%29>
16. Chapple, T.K., S. Jorgensen, S.D. Anderson, P.E Kanive, A.P. Klimley, L.W. Botsford, and B.A. Block, and A.P. Klimley. 2012. A first estimate of white shark, *Carcharodon carcharias*, abundance off Central California. *Biological Letters, Royal Society*, doi: 10.1098/rsbl.2011.0124.
<http://rsbl.royalsocietypublishing.org/search?fulltext=Chapple&submit=yes&andorexactfulltext=and&x=47&y=6>
17. Teo, S.L.H, P.T. Sandstrom, E.D Chapman, R.E. Null, K. Brown, A.P. Klimley, B.A Block. 2012. Archival and acoustic tags reveal the post-spawning migrations, diving behavior, and thermal habitat of hatchery-origin Sacramento River steelhead kelts (*Oncorhynchus mykiss*). *Environmental Biology of Fishes*, 96:175–187; DOI 10.1007/s10641-011-9938-4;
<http://link.springer.com/content/pdf/10.1007/s10641-011-9938-4>
18. Perry, R.W., P.L. Brandes, J.R. Burau, A.P. Klimley, B. MacFarlane, C. Michel, and J.R. Skalski. 2013. Sensitivity of population-level survival to migration routes used by juvenile Chinook salmon to negotiate the Sacramento-San Joaquin River Delta. Special Issue, *Environmental Biology of Fishes*, 96: 381–392; DOI 10.1007/s10641-012-9984-6;
<http://link.springer.com/content/pdf/10.1007/s10641-012-9984-6>.

19. Chapman, E.D., A.R. Hearn, C.J. Michel, A.J. Ammann, M.J. Thomas, S.T. Lindley, M.J. Thomas, P.T. Sandstrom, G.P. Singer, M.L. Peterson, R.B. MacFarlane, and A.P. Klimley. 2013. Diel movements of outmigrating Chinook salmon (*Onchorhynchus tshawytscha*) and steelhead trout (*Oncorhynchus mykiss*) smolts in the Sacramento/San Joaquin Watershed. Special Issue, *Environmental Biology of Fishes*, 96: 273–286; DOI 10.1007/s10641-012-0001-x; <http://link.springer.com/content/pdf/10.1007/s10641-012-0001-x>.
20. Michel, C.J., A.J. Ammann, E.D. Chapman, P.T. Sandstrom, H.E. Fish, M.J. Thomas, G.P. Singer, S.T. Lindley, A. P. Klimley, R.B. MacFarlane. 2013. The effects of environmental factors on the migratory movement patterns of Sacramento River yearling late-fall run Chinook salmon (*Oncorhynchus tshawytscha*). Special Issue, *Environmental Biology of Fishes*, 96:257–271; DOI 10.1007/s10641-012-9990-8; <http://link.springer.com/content/pdf/10.1007/s10641-012-9990-8>.
21. Steel, A.E., P.T. Sandstrom, P.L. Brandes, and A.P. Klimley. 2013. Migratory route selection by juvenile Chinook salmon at the Delta Cross Channel, and the role of water velocity and individual movement patterns. Special Issue, *Environmental Biology of Fishes*, 96: 215–224; DOI 10.1007/s1064-012-9992-6; <http://link.springer.com/content/pdf/10.1007/s10641-012-9992-6>.
22. Singer, G.P., A.R. Hearn, E.D. Chapman, M.L. Peterson, P.E. LaCivita, W.N. Brostoff, A. Bremmer, and A.P. Klimley. 2013. Interannual variation of reach specific migratory success for Sacramento River hatchery yearling late-fall run Chinook salmon (*Oncorhynchus tshawytscha*) and steelhead trout (*Oncorhynchus mykiss*). Special Issue, *Environmental Biology of Fishes*, 96:363–379; DOI 10.1007/s10641-012-0037-y; <http://link.springer.com/content/pdf/10.1007/s10641-012-0037-y>.
23. Sandstrom, P.T A.J. Ammann C. Michel, G. Singer, E.D. Chapman, S. Lindley, R.B. MacFarlane, and A.P. Klimley. 2013. Tag retention of steelhead trout (*Oncorhynchus mykiss*) and its application to survival estimates and behavioral assessments. Special Issue, *Environmental Biology of Fishes*, 96: 145-164; DOI 10.11007/s10641-012-0051-0/; <http://link.springer.com/content/pdf/10.1007/s10641-012-0051-0>
24. Peñaherrera, C., E. Espinoza, A. Hearn, J. Ketchum, P. Klimley, Llerena, Y, and G. Shillinger. 2012. Migratory movements of sharks in the Galapagos Marine Reserve, ARGOS Forum, 74: 10-11.
25. Ketchum, J.T., F. Galván-Magaña, and A.P. Klimley. 2013. Distribution, segregation, environmental preferences, and habitat use of whale sharks (*Rhincodon typus*) in the southwestern Gulf of California. *Environmental Biology of Fishes*, 96: 779-795; DOI 10.1007/s10641-012-0071-0; <http://link.springer.com/article/10.1007/s10641-012-0071-9>
26. Sandstrom, P.T., B. McFarlane, S. Lindley, and A.P. Klimley. 2013. An introduction to the use of electronic tagging to provide insights into salmon migration and survival. *Journal of Environmental Biology of Fishes*, 96:131–133; DOI 10.1007/s10641-012-0099-x; <http://link.springer.com/content/pdf/10.1007/s10641-012-0099-x>
27. Poletto, J.B. D.E. Cocherell, A.P. Klimley, J.J. Cech, Jr., and N.A. Fangue. 2013. Behavioral preferences of juvenile green sturgeon (*Acipenser medirostris*) to waters of varying salinities in fish acclimated to fresh water and full-strength seawater. *Journal of Fish Biology*; 82: 671-685; DOI 10.1111/jfb.12023

28. Thomas, M.J., M.L. Peterson, N. Friedenborg, J.P. Van Eenennaam, J.R. Johnson, J.J. Hoover, and A. P. Klimley. 2013. Stranding of spawning run green sturgeon in the Sacramento River: post rescue movements and population level effects. *Journal of Applied Ichthyology*; 33: 287-297; DOI.10.1080/02755947.2012.758201; <http://www.tandfonline.com/doi/pdf/10.1080/02755947.2012.758201>
29. Klimley, A.P., P.T. Sandstrom, B. McFarlane, S. Lindley. 2013. A summary the use of electronic tagging to provide insights into salmon migration and survival. *Environmental Biology of Fishes*, 96:419–428; DOI 10.1007/s10641-012-0098-y; <http://link.springer.com/content/pdf/10.1007/s10641-012-0098-y>.
30. Putman, N.F, K.J. Lohmann, E.M. Putman, T.P. Quinn, A P Klimley, and D.G. Noakes. 2013. Evidence for geomagnetic imprinting as a homing mechanism in Pacific salmon. *Current Biology*, 23: 1-5; .DOI 10.1016/j.cub.2012.12.041; <http://dx.doi.org/10.1016/j.cub.2012.12.041>.
31. Klimley, A.P. 2013. Why publish *Animal Biotelemetry*? *Animal Biotelemetry*, 1:1: DOI 10.1186/2050-3385-1-1; <http://www.animalbiotelemetry.com/content/1/1/1>.
32. Cooke, S.J., J.D. Midwood, J.D. Thiem, P. Klimley, M.C. Lucas, E.B. Thorstog, J. Eiler, C. Holbrook, and B.C. Ebner. 2013. Tracking animals in freshwater with electronic tags: past, present, and future. *Animal Biotelemetry*, 1:5. DOI :10.1186/2050-3385-1-5; <http://www.animalbiotelemetry.com/content/pdf/2050-3385-1-5.pdf>.
33. Thomas, M.J., M.L. Peterson, E.D. Chapman, and A.P. Klimley. In press. Behavior, habitat use, and site fidelity of adult green sturgeon in the upper Sacramento River using acoustic telemetry," *Environmental Biology of Fishes*, 1-10; 10.1007/s10641-013-0132-8l; <http://www.springer.com/alert/urltracking.do?id=Lffd176Mc0e58eSb086541>.
34. Hoyos-Padilla M., Klimley, P. and F. Galvan-Magañ. In press. Movements of great white sharks (*Carcharodon carcharias*) in Guadalupe Island, Mexico. In del Prado, S. and E. Peters (Eds.), Isla Guadalupe: Restauración y Conservación. INE-SEMARNAT, Mexico City.
35. Hoyos-Padilla, E.M., F. Galván-Magaña, and A.P. Klimley. In press. El tiburón marillo: misterioso navegante de los océanos tropicales. World Wildlife Fund, Mexico, Telcelular Publicación Especial No. 3, 14 pp.
36. Bucaram SJ, Hearn A. Factors that influence the entry–exit decision and intensity of participation of fishing fleet for the Galapagos lobster fishery. *Mar. Policy* (2013), <http://dx.doi.org/10.1016/j.marpol.2013.05.005>
37. Thys, T. et al., 2013. First record of the southern ocean sunfish, *Mola ramsayi*, in the Galápagos Marine Reserve. *Marine Biodiversity Records*, pp. 1-4.