

**Reference List for Final Rule to Designate Critical Habitat for the Threatened Southern Distinct Population Segment of North American Green Sturgeon**

October 9, 2009

- Adams, P. B., C. B. Grimes, S. T. Lindley, and M. L. Moser. 2002. Status review for North American green sturgeon, *Acipenser medirostris*. NOAA, National Marine Fisheries Service, Southwest Fisheries Science Center, Santa Cruz, CA. 50 p.
- Allen, P. J. and J. J. Cech. 2007. Age/size effects on juvenile green sturgeon, *Acipenser medirostris*, oxygen consumption, growth, and osmoregulation in saline environments. *Environmental Biology of Fishes* 79:211-229.
- Allen, P. J., B. Hodge, I. Werner, and J. J. Cech. 2006. Effects of ontogeny, season, and temperature on the swimming performance of juvenile green sturgeon (*Acipenser medirostris*). *Canadian Journal of Fisheries and Aquatic Sciences* 63:1360-1369.
- Batelle Marine Sciences Laboratory, Pentec Environmental, Striplin Environmental Associates, Shapiro Associates Inc, and King County Department of Natural Resources. 2001. Reconnaissance assessment of the state of the nearshore ecosystem: Eastern shore of central Puget Sound, including Vashon and Maury Islands (WRIAs 8 and 9). Prepared for the King County Department of Natural Resources, Seattle, WA.
- Bay Delta and Tributaries Project. 2005. Interagency Ecological Program relational database, fall midwater trawl green sturgeon captures from 1969 to 2003 (<http://bdat.ca.gov/>). Accessed: 2006
- Benson, R. L., S. Turo, and B. W. McCovey Jr. 2007. Migration and movement patterns of green sturgeon (*Acipenser medirostris*) in the Klamath and Trinity rivers, California, USA. *Environmental Biology of Fishes* 79:269-279.
- Biological Review Team (BRT). 2005. Green sturgeon (*Acipenser medirostris*) status review update. Prepared for the National Marine Fisheries Service. 36 pp.
- Brown, K. 2007. Evidence of spawning by green sturgeon, *Acipenser medirostris*, in the upper Sacramento River, California. *Environmental Biology of Fishes* 79:297-303.
- California Department of Fish and Game. 2002. California Department of Fish and Game comments to NMFS regarding green sturgeon listing. California Department of Fish and Game. 79 pp (plus appendices).
- California Department of Water Resources. 2005. Sturgeon distribution and habitat use: Addendum including other fishes in the lower Feather River, SP-F3.2 Task 3A. Oroville Facilities Relicensing FERC Project No. 2100. 26 pp.

- Chadwick, H. K. 1959. California sturgeon tagging studies. *California Fish and Game* 45:297-301.
- COSEWIC. 2004. COSEWIC assessment and update status report on the green sturgeon *Acipenser medirostris* in Canada. Committee on the Status of Endangered Wildlife in Canada, Ottawa. vii + 31 pp.
- Deng, X. 2000. Artificial reproduction and early life stages of the green sturgeon (*Acipenser medirostris*). Master's Thesis. University of California, Davis. 62 pp.
- Deng, X., J. P. Van Eenennaam, and S. I. Doroshov. 2002. Comparison of early life stages and growth of green and white sturgeon. *American Fisheries Society Symposium* 28:237-248.
- Domagalski, J. L., D. L. Knifong, P. D. Dileanis, L. R. Brown, J. T. May, V. Connor, and C. N. Alpers. 2000. Water quality in the Sacramento River Basin, California, 1994-98. U.S. Geological Survey, Sacramento, CA. 44 pp.
- Dumbauld, B. R., D. L. Holden, and O. P. Langness. 2008. Do sturgeon limit burrowing shrimp populations in Pacific Northwest estuaries? *Environmental Biology of Fishes* 83:283-296.
- Emmett, R. L., S. A. Hinton, S. L. Stone, and M. E. Monaco. 1991. Distribution and abundance of fishes and invertebrates in West Coast estuaries, Volume II: Species life history summaries. ELMR Report No. 8. NOAA/NOS Strategic Environmental Assessments Division, Rockville, MD. 329 pp.
- Erickson, D. L. and J. E. Hightower. 2007. Oceanic distribution and behavior of green sturgeon. Pages 197-211 in: J. Munro, D. Hatin, K. McKown, J. E. Hightower, K. J. Sulak, A. W. Kahnle, and F. Caron (editors). *Anadromous sturgeon: Habitats, threats, and management*. American Fisheries Society, Bethesda, MD.
- Erickson, D. L., J. A. North, J. E. Hightower, J. Weber, and L. Lauck. 2002. Movement and habitat use of green sturgeon *Acipenser medirostris* in the Rogue River, Oregon, USA. *Journal of Applied Ichthyology* 18:565-569.
- Fairey, R., K. Taberski, S. Lamerdin, E. Johnson, R. P. Clark, J. W. Downing, J. Newman, and M. Petreas. 1997. Organochlorines and other environmental contaminants in muscle tissues of sportfish collected from San Francisco Bay. *Marine Pollution Bulletin* 34:1058-1071.
- Farr, R. A., M. L. Hughes, and T. A. Rien. 2001. Green sturgeon population characteristics in Oregon. Annual progress report. Sport Fish Restoration Project F-178-R, Oregon Department of Fish and Wildlife, Portland, Oregon. 31 pp.

- Farr, R. A. and J. C. Kern. 2004. Green sturgeon population characteristics in Oregon. Annual progress report. Sport Fish Restoration Project F-178-R Oregon Department of Fish and Wildlife, Portland, Oregon. 32 pp.
- . 2005. Green sturgeon population characteristics in Oregon. Final progress report. Sport Fish Restoration Project F-178-R, Oregon Department of Fish and Wildlife, Portland, Oregon. 73 pp.
- Farr, R. A. and T. A. Rien. 2002. Green sturgeon population characteristics in Oregon. Annual progress report. Sport Fish Restoration Project F-178-R, Oregon Department of Fish and Wildlife Portland, Oregon. 46 pp.
- . 2003. Green sturgeon population characteristics in Oregon. Annual progress report. Sport Fish Restoration Project F-178-R, Oregon Department of Fish and Wildlife, Portland, Oregon. 29 pp.
- Feist, G. W., M. A. H. Webb, D. T. Gundersen, E. P. Foster, C. B. Schreck, A. G. Maule, and M. S. Fitzpatrick. 2005. Evidence of detrimental effects of environmental contaminants on growth and reproductive physiology of white sturgeon in impounded areas of the Columbia River. *Environmental Health Perspectives* 113:1675-1682.
- Foster, E. P., M. S. Fitzpatrick, G. W. Feist, C. B. Schreck, and J. Yates. 2001a. Gonad organochlorine concentrations and plasma steroid levels in white sturgeon (*Acipenser transmontanus*) from the Columbia River, USA. *Bulletin of Environmental Contamination and Toxicology* 67:239-245.
- Foster, E. P., M. S. Fitzpatrick, G. W. Feist, C. B. Schreck, J. Yates, J. M. Spitsbergen, and J. R. Heidel. 2001b. Plasma androgen correlation, EROD induction, reduced condition factor, and the occurrence of organochlorine pollutants in reproductively immature white sturgeon (*Acipenser transmontanus*) from the Columbia River, USA. *Archives of Environmental Contamination and Toxicology* 41:182-191.
- Ganssle, D. 1966. Fishes and decapods of San Pablo and Suisun bays. Pages 64-94 *in*: D. W. Kelley (compiler) (editor). *Ecological studies of the Sacramento-San Joaquin estuary, Part I: Zooplankton, zoobenthos, and fishes of San Pablo and Suisun bays, zooplankton and zoobenthos of the Delta*. California Department of Fish and Game, Fish Bulletin 133. Available online at: <http://content.cdlib.org/xtf/view?docId=kt4j49n6r5&query=&brand=calisphere>.
- Gleason, E., M. Gingras, and J. DuBois. 2008. 2007 sturgeon fishing report card: preliminary data report. California Department of Fish and Game, Bay Delta Region, Stockton, CA. 13 pp.
- Greenfield, B. K., J. A. Davis, R. Fairey, C. Roberts, D. Crane, and G. Ichikawa. 2005. Seasonal, interannual, and long-term variation in sport fish contamination, San Francisco Bay. *Science of the Total Environment* 336:25-43.

- Heublein, J. C., J. T. Kelly, C. E. Crocker, A. P. Klimley, and S. T. Lindley. 2008. Migration of green sturgeon, *Acipenser medirostris*, in the Sacramento River. *Environmental Biology of Fishes* Online first, DOI 10.1007/s10641-008-9432-9.
- Hu, J., Z. Zhang, Q. Wei, H. Zhen, Y. Zhao, H. Peng, Y. Wan, J. P. Giesy, L. Li, and B. Zhang. 2009. Malformations of the endangered Chinese sturgeon, *Acipenser sinensis*, and its causal agent. *Proceedings of the National Academy of Sciences of the United States of America* 106:9339-9344.
- Industrial Economics Inc. 2009. Economic analysis of the impacts of designating critical habitat for the threatened Southern Distinct Population Segment of North American green sturgeon. Prepared by Industrial Economics, Inc., Cambridge, MA, for the National Marine Fisheries Service, Southwest Region, Long Beach, CA.
- Israel, J. A., J. F. Cordes, M. A. Blumberg, and B. May. 2004. Geographic patterns of genetic differentiation among collections of green sturgeon. *North American Journal of Fisheries Management* 24:922-931.
- Israel, J. A. and B. May. 2006. Green sturgeon in Pacific estuaries: potential impacts of mixed stock fisheries. Presentation at Green Sturgeon Public Scoping Workshops, Sacramento, CA, May 31-June 1, 2006.
- Jahn, A. 2006. California Department of Fish and Game catch data - green sturgeon. Document submitted to NMFS Southwest Region, Santa Rosa, CA. 8 pp.
- Johnson, G. E., R. M. Thom, A. H. Whiting, G. B. Sutherland, T. Berquam, B. D. Ebberts, N. M. Ricci, J. A. Southard, and J. D. Wilcox. 2003. An ecosystem-based approach to habitat restoration projects with emphasis on salmonids in the Columbia River estuary. PNNL-14412, Prepared for Bonneville Power Administration, Portland, OR, by the Pacific Northwest National Laboratory, Richland, WA.
- Kaufman, R. C., A. G. Houck, and J. J. Cech Jr. 2008. Effects of dietary selenium and methylmercury on green and white sturgeon bioenergetics in response to changed environmental conditions. 5th Biennial CALFED Science Conference, October 22-24, 2008, Sacramento, CA.
- Kelly, J. T., A. P. Klimley, and C. E. Crocker. 2007. Movements of green sturgeon, *Acipenser medirostris*, in the San Francisco Bay Estuary, California. *Environmental Biology of Fishes* 79:281-295.
- Kruse, G. O. and D. L. Scarnecchia. 2002. Assessment of bioaccumulated metal and organochlorine compounds in relation to physiological biomarkers in Kootenai River white sturgeon. *Journal of Applied Ichthyology* 18:430-438.

- Kynard, B., E. Parker, and T. Parker. 2005. Behavior of early life intervals of Klamath River green sturgeon, *Acipenser medirostris*, with a note on body color. *Environmental Biology of Fishes* 72:85-97.
- Leopold, L. B., M. G. Wolman, and J. P. Miller. 1992. *Fluvial processes in geomorphology*, 2nd edition. Dover Publications, Inc., New York, NY.
- Lindley, S. T., M. L. Moser, D. L. Erickson, M. Belchik, D. W. Welch, E. Rechisky, J. T. Kelly, J. C. Heublein, and A. P. Klimley. 2008. Marine migration of North American green sturgeon. *Transactions of the American Fisheries Society* 137:182-194.
- Mayfield, R. B. and J. J. Cech. 2004. Temperature effects on green sturgeon bioenergetics. *Transactions of the American Fisheries Society* 133:961-970.
- Miller, L. W. 1972. Migrations of sturgeon tagged in the Sacramento-San Joaquin Estuary. *California Fish and Game* 58:102-106.
- Moser, M. and S. Lindley. 2007. Use of Washington estuaries by subadult and adult green sturgeon. *Environmental Biology of Fishes* 79:243-253.
- Moyle, P. B. 2002. *Inland fishes of California*, 2nd edition. University of California Press, Berkeley and Los Angeles, CA. 502 pp.
- Moyle, P. B., R. M. Yoshiyama, J. E. Williams, and E. D. Wikramanayake. 1995. *Fish species of special concern in California*, 2nd edition. California Department of Fish and Game, Inland Fisheries Division, Rancho Cordova, California. 277 pp.
- Nakamoto, R. J., T. T. Kisanuki, and G. H. Goldsmith. 1995. Age and growth of Klamath River green sturgeon (*Acipenser medirostris*). U.S. Fish and Wildlife Service Project 93-FP-13, Yreka, CA. 20 pp.
- National Marine Fisheries Service. 2008a. Endangered Species Act section 7 consultation biological opinion: Environmental Protection Agency registration of pesticides containing chlorpyrifos, diazinon, and malathion. NOAA's National Marine Fisheries Service, Endangered Species Division of the Office of Protected Resources, Silver Spring, MD. 484 pp.
- . 2008b. Proposed designation of critical habitat for the Southern Distinct Population Segment of North American green sturgeon: Draft biological report. Prepared by the National Marine Fisheries Service, Southwest Region, Long Beach, CA. 90 pp.
- . 2009a. Biological opinion and conference opinion on the long-term operations of the Central Valley Project and State Water Project. NOAA's National Marine Fisheries Service, Southwest Region, Sacramento, CA. 844 pp.

- . 2009b. Designation of critical habitat for the Southern Distinct Population Segment of green sturgeon: ESA section 4(b)(2) report. Prepared by the National Marine Fisheries Service, Southwest Region, Long Beach, CA.
- . 2009c. Designation of critical habitat for the Southern Distinct Population Segment of North American green sturgeon: Final biological report. Prepared by National Marine Fisheries Service, Southwest Region, Long Beach, CA.
- . 2009d. Endangered Species Act section 7 consultation biological opinion: Environmental Protection Agency registration of pesticides containing carbaryl, carbofuran, and methomyl. NOAA's National Marine Fisheries Service, Endangered Species Division of the Office of Protected Resources, Silver Spring, Maryland. 609 pp.
- Nguyen, R. M. and C. E. Crocker. 2007. The effects of substrate composition on foraging behavior and growth rate of larval green sturgeon, *Acipenser medirostris*. *Environmental Biology of Fishes* 79:231-241.
- Norris, K. S. 1957. Second record of the green sturgeon in southern California. *California Fish and Game* 43:317.
- Oregon Department of Fish and Wildlife. 2009a. Oregon Department of Fish and Wildlife green sturgeon sport catch data, 1995 - 2007. Available online at: [www.dfw.state.or.us/resources/fishing/sportcatch.asp](http://www.dfw.state.or.us/resources/fishing/sportcatch.asp). Accessed: June 18, 2008
- . 2009b. Oregon Department of Fish and Wildlife historical green sturgeon sport catch data from 1986 to 1994. Available online at: [www.dfw.state.or.us/resources/fishing/sportcatch.asp](http://www.dfw.state.or.us/resources/fishing/sportcatch.asp). Accessed: June 18, 2009
- Parsley, M., P. J. Anders, A. I. Miller, L. G. Beckman, and G. T. McCabe Jr. 2002. Recovery of white sturgeon populations through natural production: Understanding the influence of abiotic and biotic factors on spawning and subsequent recruitment. Pages 55-66 *in*: W. Van Winkle, P. J. Anders, D. H. Secor, and D. A. Dixon (editors). *Biology, management, and protection of North American sturgeon*. American Fisheries Society, Symposium 28, Bethesda, Maryland.
- Pinnix, W. 2008. Letter to J. Weeder with subject "Green sturgeon acoustic telemetry detections in Humboldt Bay, California." Dated February 20, 2008. Pages 2.
- Poytress, W. R., J. J. Gruber, D. A. Trachtenbarg, and J. P. Van Eenennaam. 2009. 2009 Upper Sacramento River green sturgeon spawning habitat and larval migration surveys. Annual Report of U.S. Fish and Wildlife Service to U.S. Bureau of Reclamation, Red Bluff, CA. 52 pp.
- Quinn, T. P. 2005. *The behavior and ecology of Pacific salmon and trout*. University of Washington Press. 378 pp.

- Radtke, L. D. 1966. Distribution of smelt, juvenile sturgeon, and starry flounder in the Sacramento-San Joaquin Delta with observations on food of sturgeon. Pages 115-129 *in*: J. L. Turner and D. W. Kelley (editors). Ecological studies of the Sacramento-San Joaquin Delta Part II: Fishes of the Delta. California Department of Fish and Game Fish Bulletin.
- Rien, T. A., L. C. Burner, R. A. Farr, M. D. Howell, and J. A. North. 2000. Green sturgeon population characteristics in Oregon. Annual progress report. Sport Fish Restoration Project F-178-R, Oregon Department of Fish and Wildlife, Portland, Oregon. 67 pp.
- Roedel, P. M. 1941. A sturgeon in southern California waters. California Fish and Game 27:191.
- Rosgen, D. 1996. Applied river morphology. Wildlife Hydrology, Pagosa Springs, CO.
- Sardella, B. A., E. Sanmarti, and D. Kultz. 2008. The acute temperature tolerance of green sturgeon (*Acipenser medirostris*) and the effect of environmental salinity. J. Exp. Zool. 309A:477-483.
- Schreiber, M. R. 1962. Observations of the food habits of juvenile white sturgeon. California Fish and Game 48:79-80.
- Van Eenennaam, J. P., J. Linares-Casenave, X. Deng, and S. I. Doroshov. 2005. Effect of incubation temperature on green sturgeon embryos, *Acipenser medirostris*. Environmental Biology of Fishes 72:145-154.
- Van Eenennaam, J. P., M. A. H. Webb, X. Deng, S. I. Doroshov, R. B. Mayfield, J. J. Cech, D. C. Hillemeier, and T. E. Willson. 2001. Artificial spawning and larval rearing of Klamath River green sturgeon. Transactions of the American Fisheries Society 130:159-165.
- Vogel, D. 2005. Evaluation of adult sturgeon migration at the Glenn-Colusa Irrigation District gradient facility on the Sacramento River during 2003. Natural Resource Scientists, Inc., Red Bluff, CA. 15 pp.
- Washington Department of Fish and Wildlife and Oregon Department of Fish and Wildlife. 2002. Status report: Columbia River fish runs and fisheries, 1938-2000. Oregon Department of Fish and Wildlife, Portland. Washington Department of Fish and Wildlife, Olympia. 109 pp.
- Werner, I., J. Linares-Casenave, J. P. Van Eenennaam, and S. I. Doroshov. 2007. The effect of temperature stress on development and heat-shock protein expression in larval green sturgeon (*Acipenser medirostris*). Environmental Biology of Fishes 79:191-200.

Yoklavich, M. M., G. M. Cailliet, D. S. Oxman, J. P. Barry, and D. C. Lindquist. 2002. Chapter 10: Fishes. Pages 163-185 *in*: J. Caffrey, M. Brown, W. B. Tyler, and M. Silberstein (editors). *Changes in a California estuary: A profile of Elkhorn Slough*. Elkhorn Slough Foundation, Moss Landing.

## **PERSONAL COMMUNICATIONS**

Baki, Pete. Habitat conservation biologist, Oregon Department of Fish and Wildlife, Umpqua District, Roseburg, OR. July 17, 2009. Personal communication, phone call with Susan Wang (NMFS), regarding the head of tide location in the Umpqua River, Oregon.

Corwin, Richard. Fish biologist, USBR, Red Bluff, CA. June 5, 2008 and August 13, 2009. Personal communication, comments on draft biological report, regarding unpublished green sturgeon tagging data in the Sacramento River, CA, collected in collaboration with Mike Thomas (UC Davis).

Cusick, Jonathan. Research fishery biologist, NMFS NWFSC, Seattle, WA. August 7, 2008. Personal communication, e-mail to Russell Strach (NMFS), regarding a map and unpublished green sturgeon bycatch data for the NOAA West Coast Groundfish Observer Program from January 2002 to April 2007.

Davidson, Pete. Coastside Fishing Club, CA. May 31, 2006. Presentation on Coastside Fishing Club's perspective on green sturgeon, presented at the NMFS green sturgeon workshop held in Sacramento, CA.

Erickson, Dan. Fishery biologist, ODFW, Newport, OR. September 3, 2008. Personal communication, peer review comments on draft biological report, regarding unpublished green sturgeon telemetry data collected in collaboration with S.T. Lindley, E. Mora, J. Weber, T. Confer, M. Moser, and P. Doukakis.

Ferdinand, Jennifer. AFSC Planning Officer, NMFS AKFSC, Seattle, WA. November 24, 2006. Personal communication, e-mail to Susan Wang (NMFS), regarding green sturgeon bycatch data from North Pacific Groundfish Observer Program through 2006.

Grimes, Churchill. Director, Fisheries Ecology Division, NMFS SWFSC, Santa Cruz, CA. October 23, 2006. Personal communication, memo to the record, regarding fishery take of Southern DPS green sturgeon in northern waters (5 pages).

Hanson, Mary. ESA Program Coordinator, Oregon Department of Fish and Wildlife, Salem, OR. July 16, 2009. Personal communication, e-mail to Susan Wang (NMFS), regarding corrections to the green sturgeon sport catch data reported in ODFW's public comments on the proposed green sturgeon critical habitat rule.

- Israel, Josh. Postdoctoral scholar, University of California, Davis, Davis, CA. Personal communication with Melissa Neuman (NMFS) regarding inconclusive results for green sturgeon genetic samples collected in the Bering Sea in 2006.
- Israel, Josh. Postdoctoral scholar, University of California, Davis, Davis, CA. July 10, 2009. Personal communication, e-mail to Susan Wang (NMFS), regarding green sturgeon genetic samples for Winchester Bay and the Umpqua River, Oregon.
- Lindley, Steve T. Research fishery biologist, NMFS SWFSC, Santa Cruz, CA. September 12, 2007. Personal communication, e-mail to Melissa Neuman (NMFS), Josh Israel (UC Davis), Mary Moser (NMFS), and Susan Wang (NMFS), regarding green sturgeon telemetry data for Alaska.
- Lindley, Steve, Research fishery biologist, NMFS Southwest Fisheries Science Center, Santa Cruz, CA, and Mary Moser, Research fishery biologist, NMFS Northwest Fisheries Science Center, Seattle, WA. February 24-25, 2008. Personal communication regarding unpublished green sturgeon acoustic telemetry data collected in collaboration with: D. Erickson, M. Moser, G. Williams, O. P. Langness, M. Belchik, D. Vogel, G. Stutzer, W. Pinnix, J. T. Kelly, J. C. Heublein, and A. P. Klimley. Provided during a CHRT meeting in Sacramento, CA.
- Lindley, Steve. Research fishery biologist, NMFS Southwest Fisheries Science Center, Santa Cruz, CA. March 5, 2008. Personal communication, e-mail to CHRT, regarding genetic and telemetry data that indicate that Southern DPS green sturgeon do not occupy the Klamath River or Rogue River estuaries.
- Moser, Mary. Research fishery biologist, NMFS NWFSC, Seattle, WA. March 11, 2008. Personal communication regarding unpublished green sturgeon telemetry data for the Strait of Juan de Fuca and Puget Sound, provided during a conference call with the CHRT.
- Moser, Mary. Research fishery biologist, NMFS NWFSC, Seattle, WA. February 25, 2009. Personal communication, e-mail to the CHRT, regarding a presentation on unpublished green sturgeon telemetry data for Washington estuaries. Presentation title: "Do green sturgeon in estuaries segregate by DPS?" Presentation authors: M. Moser, G. Williams, S. Katz, O. Langness, S. West, J. Israel, and S. Lindley.
- Rasmussen, Rand. Research fishery biologist, NMFS SWFSC, CA. July 18, 2006. Personal communication, e-mail to David Woodbury (NMFS), regarding green sturgeon bycatch data from the California halibut set-net fishery from 1991-2000.
- Seesholtz, Alicia. Environmental scientist, California Department of Water Resources, Oroville, CA. March 10, 2009. Personal communication, e-mail to Susan Wang (NMFS), regarding unpublished data on green sturgeon sampling in the Feather River.

- Stevenson, Duane. Research fishery biologist, NMFS Alaska Fisheries Science Center, Seattle, WA. September 8, 2006. Personal communication, e-mail to Susan Wang (NMFS) and Josh Israel (UC Davis), regarding unpublished data with Christa Colway on two green sturgeon specimens collected in coastal marine waters off Alaska by the NOAA Observer Program in 2006.
- Stuart, Jeffrey. Fishery biologist, NMFS, Sacramento, CA. January 14, 2008. Personal communication regarding feeding by juvenile green sturgeon in the Sacramento River, CA, provided during a conference call with the CHRT.
- Stuart, Jeffrey. Fishery biologist, NMFS, Sacramento, CA. February 24-25, 2008. Personal communication regarding observations of green sturgeon throughout the Sacramento River and tributaries, the Sacramento-San Joaquin Delta, San Francisco Bay, Suisun Bay, and San Pablo Bay, provided during a CHRT meeting in Sacramento, CA.
- Stuart, Jeffrey. Fishery biologist, NMFS, Sacramento, CA. August 13, 2009. Personal communication, comments on final biological report, regarding feeding by juvenile white sturgeon and green sturgeon in the Sacramento River, CA.
- Tuttle, Vanessa. NOAA At-Sea Hake Observer Program, November 20, 2006. Personal communication, e-mail to Susan Wang (NMFS), regarding green sturgeon bycatch data from At-Sea Hake Observer Program from 1990 to 2006.
- Washington Department of Fish and Wildlife. May 31, 2007. Informal ESA consultation. Personal communication, letter from Brad James (WDFW, Vancouver, WA) to Leslie Schaeffer (NMFS), requesting re-initiation of ESA consultation pertaining to WDFW tagging operations in the lower Columbia River. Available from NMFS, Northwest Region, Protected Resources Division, 1201 NE Lloyd Blvd., Suite 1100, Portland, Oregon, 97232 (this was incorrectly cited as *WDFW 2008* on page 52326, third column, in the final rule).

## **FEDERAL REGISTER**

- U.S. Federal Register, Volume 59 No. 126 (59 FR 34270). July 1, 1994. Notice of policy statement: Endangered and threatened wildlife and plants: Notice of interagency cooperative policy for peer review in Endangered Species Act activities.
- U.S. Federal Register, Volume 70 No. 10 (70 FR 2664). January 14, 2005. Final bulletin: Final Information Quality Bulletin for peer review.
- U.S. Federal Register, Volume 70 No. 65 (70 FR 17386). April 6, 2005. Proposed rule: Endangered and threatened wildlife and plants: Proposed threatened status for Southern Distinct Population Segment of North American green sturgeon.

- U.S. Federal Register, Volume 70 No. 170 (70 FR 52630). September 2, 2005. Final rule:  
Endangered and threatened species: Designation of critical habitat for 12 evolutionarily significant units of West coast salmon and steelhead in Washington, Oregon, and Idaho.
- U.S. Federal Register, Volume 71 No. 67 (71 FR 17757). April 7, 2006. Final rule: Endangered and threatened wildlife and plants: Threatened status for Southern Distinct Population Segment of North American green sturgeon.
- U.S. Federal Register, Volume 73 No. 66 (73 FR 18553). April 4, 2008. Notice: Indian entities recognized and eligible to receive services from the United States Bureau of Indian Affairs.
- U.S. Federal Register, Volume 73 No. 174 (73 FR 52084). September 8, 2008. Proposed rule: Endangered and threatened wildlife and plants: Proposed rulemaking to designate critical habitat for the threatened Southern Distinct Population Segment of North American green sturgeon.
- U.S. Federal Register, Volume 73 No. 195 (73 FR 58527). October 7, 2008. Proposed rule: Endangered and threatened wildlife and plants: Proposed rulemaking to designate critical habitat for the threatened Southern Distinct Population Segment of North American green sturgeon; Notification of public workshop; Correction.
- U.S. Federal Register, Volume 73 No. 213 (73 FR 65283). November 3, 2008. Extension of public comment period on proposed rule: Endangered and threatened wildlife and plants: Proposed rulemaking to designate critical habitat for the threatened Southern Distinct Population Segment of North American green sturgeon.
- U.S. Federal Register, Volume 74 No. 97 (74 FR 23822). May 21, 2009. Proposed rule: Endangered and threatened wildlife and plants: Proposed rulemaking to establish take prohibitions for the threatened Southern Distinct Population Segment of North American green sturgeon.