

Summary Table of Almaco Jack, (*Seriola rivoliana*) life history for the Gulf of Mexico. Associations and interactions with environmental and habitat variables are listed with citations.

| Life Stage      | Season  | Location   | Temp(°C) | Salinity(ppt)               | Oxygen | Depth(m) | Trophic relationships |           | Habitat Associations and Interactions |        |           | Production |
|-----------------|---|--|----------|-----------------------------|--------|----------|-----------------------|-----------|---------------------------------------|--------|-----------|------------|
|                 |   |  |          |                             |        |          | Food                  | Predators | Habitat Selection                     | Growth | Mortality |            |
| Eggs            | Spawning, perhaps spring through fall             |  |          | Open Gulf Salinity 30-35ppt |        |          |                       |           |                                       |        |           |            |
| Citations       | 14,17   |  |          | 22                          |        |          |                       |           |                                       |        |           |            |
| Larvae          |   |  |          |                             |        |          |                       |           |                                       |        |           |            |
| Citations       |   |  |          |                             |        |          |                       |           |                                       |        |           |            |
| Post Larvae     |   |  |          |                             |        |          |                       |           |                                       |        |           |            |
| Citations       |   |  |          |                             |        |          |                       |           |                                       |        |           |            |
| Juveniles       | Aug-Jan<br>Jul-Oct                                | Open waters and barrier islands.   |          |                             |        |          |                       |           | Use <u>Sargassum</u> as refuge        |        |           |            |
| Citations       | 17,22   | 22   |          |                             |        |          |                       |           | 5                                     |        |           |            |
| Adults          | Warm seasons in N. Gulf but year-round in S. Gulf | Offshore rare in shallow waters, far offshore waters (further than other LA <i>Seriola</i> ) |          |                             |        |          | Fish                  |           | Often associated with rigs in N. GOM  |        |           |            |
| Citations       | 20,4,22   | 5,22   |          |                             |        |          | 4                     |           | 22                                    |        |           |            |
| Spawning Adults | Possible spring-fall                              | N. GOM probably not an important spawning area   |          |                             |        |          |                       |           |                                       |        |           |            |
| Citations       | 14,17   | 22   |          |                             |        |          |                       |           |                                       |        |           |            |

No data available for environmental factors (Temp, Sal, Oxygen) predators, growth, mortality, or production.

### Citations for the genus, Seriola.

1. Aprieto, V.L. Early development of five carangid fishes of the Gulf of Mexico and the south Atlantic coast of the United States. Fish. Bull. 72:415-443.
2. Beasley, M. 1993. Age and growth of greater amberjack, *Seriola dumerilli* (Risso), from the northern Gulf of Mexico. M.S. thesis. Louisiana State University, Baton Rouge, L.A.
3. Berry, F.H. and R.K. Burch. 1979. Aspects of the amberjack fisheries. Proc. 31st Ann. Gulf Caribbean Fish. Inst. 31:179-194.
4. Berry, F.H. and W.F. Smith-Vaniz. 1977. FAO species identification sheets: Carangidae. In: FAO species identification sheets for fishery purposes; western central Atlantic, fishing area 31. W. Fischer (ed.). FAO of the United Nations, Rome.
5. Burch, R.K. 1979. The Greater Amberjack, *Seriola dumerilli*: Its biology and fishery off southeastern Florida. MS Thesis, Univ. Miami. Miami, FL. 113 pp.
6. Ginsburg, I. 1952. Fishes of the family Carangidae of the northern Gulf of Mexico and three related species. Publ. Inst. Mar. Sci., Univ. Texas 2 (2):43-117.
7. Johnson, G.D. 1978. Development of fishes of the Mid-Atlantic Bight, An Atlas of egg, larval and juvenile stages. Carangidae through Ehippididae. Vol. IV. U.S. Fish and Wildlife Serv. Biol. Serv. Prog. FWS/OBS-78/12.
8. Laroche, W.A., W.F. Smith-Vaniz, and S.L. Richardson. 1984. Carangidae: development, pp. 510-522. In: Ontogeny and systematics of fishes. H.G. Moser, W.J. Richards, D.M. Cohen, M.P. Fahay, A.W. Kendall, and S.L. Richardson (eds.). Spec. Publ. No. 1, Amer. Soc. Ichthy. Herp. Allen Press, Lawrence, K.S.
9. Mather, F.J. 1952. Three species of fishes, genus *Seriola*, in the waters of Cape Cod and vicinity. Copeia 1952:209-210.
10. Mather, F.J. 1958. A preliminary review of the amberjacks, genus *Seriola*, of the western Atlantic. Proc. Third Inter. Game Fish Conf. 3:1-13.
11. Smith-Vaniz, W.F. 1984. Carangidae: Relationships, pp. 522-530. In: Ontogeny and systematics of fishes. H.G. Moser, W.J. Richards, D.M. Cohen, M.P. Fahay, A.W. Kendall, and S.L. Richardson (eds.). Spec. Publ. No. 1, Amer. Soc. Ichthy. Herp. Allen Press, Lawrence, KS.
12. Smith-Vaniz, W.F. 1986. carangidae, pp. 815-831. In: P. Whitehead, M. Bauchot, J. Hureau, J. Nielson, E. Tortonese (eds.). Fishes of the North-eastern Atlantic and the Mediterranean, Vol. II. UNESCO. Paris.
13. Smith-Vaniz, W.F. and F.H. Berry. 1981. FAO species identification sheets: Carangidae. In: FAO species identification sheets for fishery purposes; eastern central Atlantic, fishing areas 34 & 37. W. Fischer, G. Bianchi, and W.B. Scott (eds.) Dept. of Fisheries and Oceans Canada, Ottawa.
14. Dooley, J.K. 1972. Fishes associated with the pelagic *Sargassum* community. Contrib. Mar. Sci. 16:1-32.
15. Hildebrand, S.F., and L.E. Cable. 1930. Development and life history of fourteen teleostean fishes

- at Beaufort, N.C. U.S. Bur. Fish. Bull. 46:383-488.
16. Sanzo, L. 1933. Uova, larvae e stadi giovanili di *Seriola dumerilli* Risso [in italian]. Mem. R. Com. Talassogr. Ital. 205. 12 pp.
  17. Fahay, M.P. 1975. An annotated list of larval and juvenile fishes captured with surface-towed meter net in the South Atlantic Bight during four *RV Dolphin* cruises between May 1967 and February 1968. NOAA Tech. Rept. NMFS SSRF-685. 39 pp.
  18. Schekter, R.C. 1972. Food habits of some larval and juvenile fishes from the Florida Current, near Miami, Florida. U.S. Environ. Prot. Agency Tech. Rept. (unpubl.) 85 pp.
  19. McClane, A.J., ed. 1965. McClane's Standard Fishing Encyclopedia. Holt, Rinehart and Winston, Inc., New York. 1057 pp.
  20. Randall, J.E. 1968. Caribbean reef fishes. T.F.H. Publications, Neptune City, N.J. 318 pp.
  21. Nichols, J.T., and C.M. Breder, Jr. 1927. The marine fishes of New York and southern New England. Zoologica (N.Y.) 9(1):1-192.
  22. B.A. Thompson, personal communication.