

**PAST AMERICAN FISHERMEN'S RESEARCH FOUNDATION (AFRF)
PROJECTS 1971-2016**

The following is a year by year compilation of projects AFRF has undertaken. Almost all of the AFRF projects have been funded by industry/processor/buyer contributions from fees of fish landed. The exception is NOAA funding for a segment of the archival tagging during the past decade. AFRF also spends on representation at international and federal management and scientific meetings. Since 1995 AFRF has spent nearly 1.5 million dollars on these efforts in order to maintain fleet access to the resource.

The American Fishermen's Research Foundation (AFRF) was established in 1971 to aid, encourage, promote, and support science and education in the field of albacore and related fish species. It is a nonprofit corporation organized under the General Non-Profit Corporation Law of the State of California and is tax-exempt.

- 2016 (Year 15-16 of archival tagging/AFRF/SWFSC (\$ 142,000), \$ 500 Scholarship Contribution to 66th Tuna Conference (2016 Ongoing)

- 2015 Year 14 of archival tagging/AFRF/SWFSC (\$46,000), \$ 500 Scholarship Contribution to 65th Tuna Conference, 123 tags deployed in 2015, over 1,000 since 2001 with 29 recoveries plus 6 dummy tag recoveries, \$2,000 contributed to Dr. Ray Hilborn forage species study outlines by CA Wetfish Association, \$500 contributed to Ventura Commercial Fishermen's Association to help on attorney letter costs concerning procedures carried out on the turtle hard-cap issue in the DGN fishery, but could affect albacore management decisions, \$1,000 allocated for AFRF public outreach canned or pouched albacore.

- 2014 Year 13 of archival tagging/AFRF/SWFSC (\$71,000), \$ 500 Scholarship Contribution to 64th Tuna Conference, SWFSC proposes plan to tag 5,000 albacore with conventional tags, so far funding is an issue. AFRF requests more be done privately or through NMFS to further develop useful E-Logbooks for those that want the option, so far pilot program over past 10 years on 10 vessels has been successful but technology getting out-dated, In-season tooling sampling an measuring continues.

- 2013 Year 12 of archival tagging/AFRF/SWFSC (\$50,000), \$ 500 Scholarship Contribution to 63rd Tuna Conference, Vessel onboard measuring and sampling ongoing, Hawaii tagging ongoing with issues.

- 2012 Year 11 of archival tagging/AFRF/SWFSC (\$50,000), 81 tags deployed, \$ 500 Scholarship Contribution to 62nd Tuna Conference, Vessel onboard measuring and sampling ongoing, Hawaii tagging continues with no success, AFRF, Oregon Albacore Commission, and AAFA working with processors and OSU Seafood Lab develop simpler time and temperature onboard fish handling protocol acceptable to USFDA.

- 2011 Year 10 of archival tagging/AFRF/SWFSC (\$50,000), \$ 500 Scholarship Contribution to 61st Tuna Conference, handline tagging underway in Hawaii but difficulty catching, AFRF makes formal request to NMFS for \$250,000 for tagging research trip offshore in Mid-Pacific (no result).

- 2010 Year 9 of archival tagging/AFRF/SWFSC (\$50,000), Two tagging trips, first one by charter boat out of Westport, WA, \$ 500 Scholarship Contribution to 66th Tuna Conference, AFRF approves initial funding to N. Committee of the WCPFC for \$1,000 and \$4,000 in-kind contributions for further sampling and processing sampled albacore.

- 2009 Year 8 of archival tagging/AFRF/SWFSC (\$50,000), 2 coastal vessel surveys early in the season at \$6,000 each to tag, measure and sample albacore. \$10,000 contributed to WFOA public outreach project through Crocmedia, 50 albacore heads sampled by vessels for otolith research, \$500 donated to Tuna Conference for scholarship purposes, 200 conventional dart tags deployed off Oregon, Dr. Michael Laurs presented the Frank martins award for service to AFRF.

- 2008 Year 7 of archival tagging/AFRF/SWFSC (\$50,000), 105 tags deployed, proposal to research putting out pop-tags on Hawaii hand line tags, 2,000 albacore measured onboard 5 vessels for SWFSC, Frank Martins award created for past service to AFRF, presented to Frank Martins.
- 2007 Year 6 of archival tagging/AFRF/SWFSC (\$50,000), Selenium research project - EERC - University of North Dakota (\$30,000), Contribution and personal to AAAS San Francisco (\$2,000), On Board measuring and gift certificates (\$2400), 800 - 3.5 oz cans of public ed albacore from pelican packers
- 2006 Year 5 of archival tagging/AFRF/SWFSC, Contribution and personal to AAAS St. Louis Stomach Content Data Collection -Sarah Glaser (\$3,300), 400 - 6.0oz cans of public-ed albacore from Wild Planet, Contribution to Katrina Relief (\$5,000)
- 2005 Year 4 of archival tagging/AFRF/SWFSC , Contribution and personal to AAAS Washington DC, Distribution of media info packets (\$5,000), Stomach Content Data Collection -Sarah Glaser (\$3,000)
- 2004 Year 3 of archival tagging/AFRF/SWFSC (\$30,000), Distribution of tagging and reward posters Low Carb section added to albatuna.com (\$5,000), Onboard measuring and troughs (\$2400 for gift certificates)
- 2003 Year 2 of archival tagging/AFRF/SWFSC (\$75,000), Albacore Lipid sampling - OSU seafood lab continued, Health benefits of albacore, OSU/OAC/Joyce Nettleton (\$15,000) Albatuna.com created
- 2002 NMFS / AFRF fleet economic survey, Year 1 of archival tagging/AFRF/SWFSC (\$60,000) 2 CTDs on vessels voluntarily, Quality Assurance On-Board procedures handbook, Seabird Bycatch posters sent to members, Albacore Lipid sampling - OSU seafood lab, On board measuring of albacore, Fleet Economic Survey Completed for NMFS
- 2001 100 case of Public Relations albacore from COSI, NMFS / AFRF fleet economic survey Dr. Vidar Weststad hired as a scientific consultant, Distribution of information on releasing endangered species, seabirds and turtles
- 2000 AFRF funding of representatives at HMS MHLC forums, AFRF funding for OSU Marketing Conference (\$3,000), NP & SP OI charts, Star Kist Spiking & Bleeding project
- 1999 NP & SP OI charts, CTD project OI & U.S. Navy, AFRF quality library compilation (\$5,000) Joint AFRF /USTF /WFOA cooperation on management and legislation (\$750/month) AFRF fellowship (Suzanna Blackwell) for pop tagging / Hopkins Marine Station
- 1998 South Pacific In-Season charter (\$80,000) into 110W, F/V Jeannie, One and All, AFRF.org, website launched, SP OI charts, Continued CTD project with Ocean Imaging Company (3 units), Resource assessment charter 37N-40N, 138W - 142W
- 1997 OI SST Charts, Continued CTD project with Ocean Imaging (3 units), 30-Day charter with fuel subsidy with CTD's offshore central CA (\$10,000), Webpage development for AFRF (\$1500), AFRF public relations albacore canned and distributed
- 1996 Continue CTD measurements, 2 30-day fuel subsidies west of 160E (\$7,000 per boat), 2 charters for OSU chilling freezing research, OI Charts
- 1995 Tim Barnett temperature pattern project (\$7,500), OI project (3-CTDs); \$28,000, OI charts Mid-Pacific charter (\$30,000), Coastal charter (\$20,000), Equipment repairs (Inmarsats, OSAMs, bathys), albacore for PR, Logbooks, Tagging (5,000 tags; \$1,800 total), tagging project (500 tags west of dateline

over 2-3 week period), Continue O1 services

- 1994 OI charts NP&SP(\$3,000), thermometers (Norm Bartoo; 12 @ \$6.00 each), 250 fish heads 5D-78 cm (\$1,000), OSAM machines repaired and offered for sale, Computer equipment compatible with XBT system, 2-week charter (\$1,000/day), OI satellite system for inshore (\$6,000), Tagging (2 boats; 500 tags each; 177W North Pacific)
- 1993 Tasman Sea charter (Miss Angie; west of dateline; \$5,000), 5,000 to OI for proposed TOVS project, Near-shore charters (\$750/day; \$15,000 total), \$10,000 for NMFS projects (fish heads; logbooks; tagging; other research)
- 1992 \$5,000 for OSAM repairs, Reimburse expenses for Malahat II for scouting off Queen Charlotte Islands
- 1991 Charter (3 boats; Tasman area; \$20,000), \$40,000 for South Pacific charter, Update OSAM machines (\$6,000-\$9,000), Fuel subsidies (3-boats; \$10,000 each; 155E), 35-day charter (\$35,000; 8/1/91-9/5/91), Coastal fuel subsidy (\$10,000; 7/15-8/15/91; Cape Mendocino to Mexican, Border)
- 1990 \$5,000 tagging (300 tags), \$30,000 charter (Kismet; Eureka northwest to Mendocino Ridge) 2 fuel subsidies (\$10,000 each; dateline area; Mercator and Royal Dawn), 2 fuel subsidies \$10,000 each; coastal; Seeadler and West Coast), Insure satellite machines (\$1,800 total)
- 1989 \$10,000 for 500 tags, \$10,000 for oceanographic info in North Pacific, 30-day charter (\$40,000; east of 140W; Elvi K; 8/1-9/1/89), Fuel subsidy (\$10,000; central California; St. Christopher; 7/30-8/30/89), Albacore for PR (\$3,000)
- 1988 \$30,000 for satellite machine to be put on Barbara H, 2 fax machines for boats (\$10,000 each) 35-day North Pacific charter (\$35,000; Viva), \$5,000 for tagging (7 boats; 100 tags each) 2 fuel subsidies (30 days; \$5,000 each)
- 1987 2 charters (\$25,000 each; Lady Eve and Four Winds), Tagging (\$5,000), Fuel subsidy (\$5,000; Sea Breeze), Weather report (\$6,000)
- 1986 3 North Pacific charters (\$25,000 each; Judy, Vinland and Inez C), Fuel subsidy (\$4,000; south of Pt. Conception; La Donna), \$5,000 for 30-day airplane research, 5 South Pacific charters (\$20,000 each; Bald Eagle, Day Star, Defiance, Jeannie Red Baron), \$15,000 for tagging
- 1985 3 South Pacific charters (Day Star, Bald Eagle, Sea Haven), \$5,000 for tagging in South Pacific
Fuel Subsidies:
2 boats; Bald Eagle & Day Star; 165E; \$10,000 each
2 boats; Sea Breeze & Sea Have; south coast; \$5,000 each; 30-day
2 boats; Robob & Kandy Dee; central coast; \$5,000 each; 30-day
1 boat; Crystal Marie; north of Mendocino; \$2,500; 15-day
1 boat; Abe; 2 subsidies; north of Blanco; \$2,500 each; 15-day each
Charter (southern area; 30-day; \$30,000 & fuel; Warlord)
Charter (northern area; 30-day; \$30,000 & fuel; Rustler)
Return of tagged fish (\$400 1st prize; \$100 for 2nd; rest canned albacore)
- 1984 2 fuel subsidies Mid-Pacific (35-day; \$10,000 each; 155E; Norwester and Viva)
Fuel subsidy southern Calif. (30-day; \$5,000; south of Pt. Conception; La Donna)
Fuel subsidy central Calif. (30-day; \$5,000; south of San Francisco; Anna Louise)
Fuel subsidy northern Calif. (30-day; \$5,000; Freya)
Fuel subsidy Oregon/Wash; (30-day; \$5,000; Kandy Dee)
Charter (30-day; \$30,000; south of Mendocino Ridge; Robin Ann)

- Charter (30-day; \$30,000; north of Mendocino Ridge; Kristy)
- 1983 Charter Mid-Pacific (\$25,000; west of 175; Archer)
2 fuel subsidies Mid-Pacific (\$7,500 each; 155W 30N; Heide and Marine Star), \$10,000 for tagging
Charter west coast (\$35,000; 35-day; Pt. Conception north; Inez C)
Fuel subsidies (\$3,000 each; Karen Ann; Billie Joann; Sea Finn II)
- 1982 \$4,000 to Frank Martins for 4 days charter work
5 charters (\$20,000 each; Pacific Pioneer; Arrow, Resolute, Norcoaster, Alaska)
2 fuel subsidies (\$5,000 each; 30-day; 155W; 30N; Columbia & Sea Haven)
2 charters (\$40,000 each; 35-day; Eureka north; Veracruz and Judy S)
Charter (\$35,000; 30-day; San Francisco south; Tasu)
Fuel subsidy (\$3,000; 30-day; south of San Francisco; Lydorein)
Fuel subsidy (\$3,000; 30-day north of Coos Bay; Velma J)
Fuel subsidy (\$5,000; 30-day; Laura Michelle)
\$3,000 to Experimental Satellite-Oriented Observation program, \$40,000 max for tagging in Mid-Pacific
- 1981 2 offshore fuel subsidies (\$5,000 each; dateline; 30-day; Evelyn E & Aphrodite)
2 fuel subsidies (\$3,000 each; south of San Francisco; 20-day; Trina Marie & Zeppelin)
South Pacific long-line charters (Alaska, Arrow, Pacific Pioneer, Sea World, Tassings, Typhoon), \$600 for
electronic temperature sensing device, Charter (\$40,000; 35-day; leave Eureka; Outlaw)
Charter (\$35,000; 30-day; leave S.F. or Morro Bay; Lady Eve)
- 1980 Charter (\$40,000; 30-day; offshore), 4 fuel subsidies (\$3,000 each; 30-day; 2 Eureka south; 2 Eureka north),
\$50,000 for tagging
- 1979 4 fuel subsidies (\$5,000 each; 25-day; 2 in May; 2 in June), Charter (60-day; Pt. Conception to Astoria then
offshore), Inshore tagging, Purchase 4 small modern fax machines
Tagging materials for selected vessels going to Mid-Pacific
- 1978 \$10,000 for tagging by jig boats in northern area, Small bait boats to tag off San Diego
- 1977 3 inshore charters, 2-4 late season charters leaving San Diego then moving offshore (40-day;
\$60,000-\$80,000), Midway/west Pacific charters (Typhoon and Joann Marie; \$60,000), Drawing for
tagging prizes, \$30,000 for 1 boat tagging southern Calif. to Mexico (\$3,000 tags), \$15,000 tag supplied bait
boats, Charter (60-day; \$45,000; leaving Astoria north to Cape St. James)
- 1976 Tagging drawing, Charter (\$50,000 + \$10,000 fuel; Emperor Seamount; 150-day), 4 offshore charters
(leaving San Diego), In-season research program (1 boat leave Astoria; 2 leave San Diego), 1975 Reimburse
government for fuel at Midway, Fuel subsidies (\$5,000 each; 3 boats; Midway exploration group), Drawing
for tags (\$100 1st prize; balance canned albacore)
- 1975 Offshore program (2 jig boats; 1 bait; \$80,000 total), Inshore program (3 boats; \$150,000 total)
\$2,500 fuel (boat Typhoon for exploratory trip), Drawing for recovered tags (\$100 1st prize; balance
canned albacore)
- 1973 \$300 for recovered tags, 3 vessel coastal charters
- 1972 3 charters (4 boats)
- 1971 Pay WFOA \$1,000/mo to handle AFRF operations, (\$2,000/mo for May, June, July)