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## 2006 ... THE YEAR AT A GLANCE

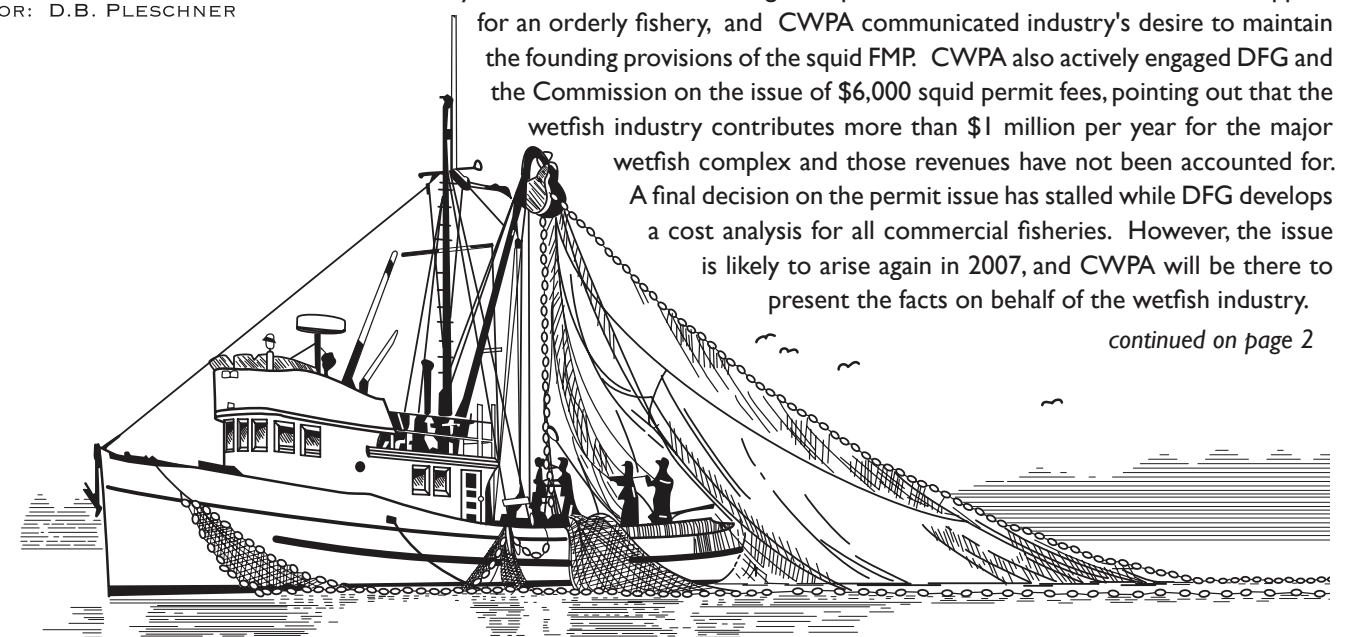
The year 2006 ended as it began: with heated environmental debate over the Marine Life Protection Act (MLPA) and its mandate to establish an improved network of marine reserves in California, beginning on the central coast. Throughout its third full year of operation as a 501(c) non-profit association, CWPA served as the eyes, ears and voice of California's wetfish industry.

Protecting access to harvestable resources is a major goal of the association. In 2006 the theme of CWPA's executive director was "On the Road Again", as she attended 6 meetings of the CPS management team and advisory subpanel, advisory to the Pacific Fishery Management Council; 11 meetings of the California Fish and Game Commission; 2 meetings of the Commission's marine resources committee, and 7 meetings with the MLPA Initiative's Blue Ribbon Task Force and Secretary of Resources regarding issues related to implementation of the Marine Life Protection Act. Meeting venues stretched from San Diego to Portland OR, and several points in-between. In addition, CWPA hosted two squid research workshops in 2006: the first, a classroom session and field trial to test the BioSonics DT-X echosounder, capable of mapping and quantifying localized squid concentrations; and the second, to develop field protocol for our collaborative squid research project. CWPA's cooperative research program now includes hydroacoustic research, with the purchase of the DT-X, in addition to expansion of CalCOFI surveys to nearshore waters, and promises to shed new light on the enigmatic market squid, with the goal to enhance future fishery management.

### Protecting access to fishery resources

**Squid:** CWPA maintained "eyes on the ground" and close communication with DFG and the Fish and Game Commission in 2006 as the squid grandfather permit controversy continued to plague the Department and Commission. The issue of transferability of grandfather permits threatens to blow the lid off the squid FMP, and "enviros" are keen to inflict more restrictions on the fishery. CWPA members, including both processors and fishermen, reaffirmed support for an orderly fishery, and CWPA communicated industry's desire to maintain the founding provisions of the squid FMP. CWPA also actively engaged DFG and the Commission on the issue of \$6,000 squid permit fees, pointing out that the wetfish industry contributes more than \$1 million per year for the major wetfish complex and those revenues have not been accounted for. A final decision on the permit issue has stalled while DFG develops a cost analysis for all commercial fisheries. However, the issue is likely to arise again in 2007, and CWPA will be there to present the facts on behalf of the wetfish industry.

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## CWPA GOALS

### Maintain Access to Resources

- TRACK LEGISLATION & COORDINATE RESPONSE
- SEEK GRANT FUNDING FOR RESEARCH
- COMMUNICATE WITH MANAGEMENT AGENCIES TO DEVELOP FISHERY MANAGEMENT PLANS

### Promote Sustainable Production

- TRACK ISSUES & COORDINATE RESPONSE
- COMMUNICATE WITH AUTHORITIES RE: PRODUCTION ISSUES
- FACILITATE RESOLUTION
- \* SPONSOR RESEARCH

### Facilitate Communication within and outside wetfish industry

- SERVE AS LIAISON BETWEEN FISHERMEN AND PROCESSORS
- SERVE AS LIAISON BETWEEN INDUSTRY AND MANAGEMENT
- \* PRODUCE PERIODIC NEWSLETTERS TO INFORM INDUSTRY OF NEWS AND ISSUES

## CWPA — PURPOSE AND FUTURE

In today's political climate, with Legislative term limits and changes in administration every few years, fisheries need an industry group in place to maintain the fishery profile: the fishery's "institutional" knowledge base and long-term goals. The goal of CWPA is to ensure the wetfish industry puts its best foot forward!

A non-profit organization such as CWPA commands attention despite political or management climate. It facilitates interaction and consensus building between fishery managers and industry, and it facilitates communication with state and federal fishery managers as well as the Legislature and Congress. Maintaining a clear presence in management circles is critically important now, with the state focus on the Marine Life Management Act and Marine Life Protection Act, and federal management guided by precautionary principles in the Magnuson Act. The current push for Sanctuary "management" of marine resources through MPAs adds yet another challenge. Maintaining "eyes on the ground" and a continued presence in management circles is critically important to stay in business.

In this era of precautionary management, it is essential to base management decisions on good science. Without good data, the precautionary principle will be applied and, as a result, fishermen and processors may not have a viable fishery. Field research is expensive, and that's where industry groups such as CWPA can play a critically important role. Research is the key to the future!

# A CLOSER LOOK...


## CWPA promotes Co-op Squid Field Research Program at CA World Ocean 2006

### CWPA MARKET SQUID RESEARCH : Meeting the goals of the California Ocean Protection Council Strategic Plan

Marine Life Management Act and Market Squid FMP call for Essential Fishery Information

- Age and growth characteristics
- Distribution of stocks \*
- Ecological interactions \*
- Estimates of abundance \*
- Movement Patterns \*
- Recruitment \*
- Reproductive characteristics \*
- Total mortality \*

\* EFI Elements in CWPA Cooperative Research Program



RESEARCH GOALS

DFG:

- Analysis of egg escapement method for California squid
- Develop better understanding of squid biology and population responses to environmental influences and fishery harvest

CALIFORNIA WETFISH PRODUCERS ASSOCIATION:


- Investigate resource sustainability and ensure negligible fishery impact
- Facilitate cooperative management of the squid fishery

CalCOFI Research: one of the most comprehensive and continuous datasets in existence


CalCOFI was formed in 1949 to investigate sardines and their environment

- Biological research: egg, fish and larvae sampling is conducted quarterly from San Diego to San Francisco
- Squid are captured incidentally, but CalCOFI research is primarily offshore. Spawning squid and paralarvae are found in highest concentrations nearshore.

CalCOFI Bongo Nets



CWPA is training fishermen to tow bongo nets to collect paralarvae nearshore to expand the CalCOFI program

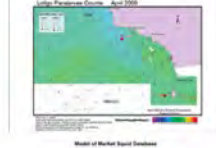


#### CWPA Research Program Components

Develop and maintain market squid GIS database:

CalCOFI paralarvae data, Triennial trawl data  
CWPA nearshore paralarvae data  
Biosonics localized squid concentrations

Environmental factors:  
monthly composite Sea Surface Temperature  
chlorophyll, upwelling, current patterns




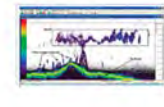


RESEARCH QUESTIONS:

- Measure local and regional abundance over time
- Map squid occurrence / abundance relative to environmental indicators
- Estimate harvest rates in varying environmental conditions to test the assumption that squid abundance is primarily influenced by oceanic conditions

CWPA hydroacoustic survey deploys a Biosonics digital echosounder to map and quantify local squid abundance on major spawning grounds.

Biomass recorded on computer will be analyzed and imported into the GIS database, enabling researchers to study squid variability compared to environmental cycles as well as fishing effort.

Research Questions:

- Determine the number of samples needed to develop a Paralarvae Density Index (PDI) of abundance
- Test levels of precision for predicting future regional abundance prior to the spawning season with PDI.

### CWPA Squid Research Poster

CWPA participated in the poster session at CWO 2006, showcasing our cooperative field research program with a colorful 40" x 80" poster. The poster was well received by conference attendees, including Secretary for Resources Mike Chrisman, who thanked us for participating in the event (one of few fish heads present). Participating in the event provided a unique opportunity to meet with Senator Betty Karnette and other state officials

### 2006 CONTINUED

**Sardine:** CWPA was instrumental in securing the first coastwide synoptic sardine field survey, extending from Baja California to the Pacific Northwest and Canada. The BC2BC cruise launched in April 2006. This research is crucial to develop accurate biomass assessments, on which sardine harvest guidelines are based. Data from that survey were used to produce the 2006 sardine stock assessment: spawning biomass was estimated at 1.3 million metric tons, and the harvest guideline for 2007 was set at 152,564 mt, 28 percent higher than 2006.

**MLPA Initiative:** CWPA again participated actively in efforts of the CA Fisheries Coalition. The CFC-sponsored review of MLPA science demonstrated that current fishing regulations achieve many MLPA goals. The CFC will continue to press the administration to acknowledge this and integrate fishery science into MPA planning.

The Commission approved its preferred alternative for the central coast MPA network on Friday April 13, 2007. Thanks to extensive legwork (and the support of Commission President Richard Rogers) the wetfish industry retained most of its essential fishing turf. However, the Commission's central coast MPA network will close about 40 percent of the most productive rocky bottom. MLPA moves next to northern CA and is projected to come to southern CA in 2009, or perhaps even later.

### BOARD OF DIRECTORS – 2007

President	Vince Torre Tri-Marine Fish Company
Vice President	David Haworth Hueneme fisherman
Treasurer- Secretary	John Gingerich Hueneme Fish Co.
San Pedro (alternate)	Vince Torre Vanessa DeLuca, State Fish Nick Jurlin Steve Greyshock
Ventura-Hueneme	John Gingerich Pete Guglielmo, SCS David Haworth Neil Guglielmo
Monterey	Joe Cappuccio, Del Mar Sal Tringali, MFC David Crabbe Anthony Russo
Executive Director	Diane Pleschner-Steele

### Promote Sustainable Production & Facilitate Communications

Two additional goals of CWPA are to enhance sustainable production and facilitate communications within and outside the wetfish industry. Beyond facilitating inter-industry communication, CWPA provided written and oral testimony to the Fish and Game Commission, the Secretary for Resources, DFG, Legislators and the Pacific Fishery Management Council, where the CWPA Executive Director serves on the CPS Advisory Subpanel. CWPA also communicated routinely with Department of Health Services re: the seasonal domoic acid advisory.

### SQUID RESEARCH PROGRESS

In 2006, CWPA again contracted with Dr. Doyle Hanan to lead our industry-sponsored squid research program. Doyle led a workshop, attended by DFG squid biologists and fishermen, to develop standardized field research protocol, expanding on quarterly CalCOFI research cruises that capture squid paralarvae offshore during the months of February, April, July and November.

This field work is intended to measure squid occurrence and abundance near known spawning grounds. Four **bongo net** systems were provided through the grant we received in 2005, and the CWPA Board approved the purchase of an additional system in May 2006, enabling participating fishermen to gather samples simultaneously at four locations in S.CA. and one or two in Monterey. Fishermen participating in this program in 2006 were David Haworth, Pete Ancich, Neil Guglielmo, and John Solomon. Steve Greyshock also volunteered to tow the fifth net.



Another way to measure local biomass is via **hydroacoustic echosounder**, which records squid concentrations on computer for later analysis. CWPA sponsored a weeklong field trial of the Biosonics echosounder early in 2006. Following a successful field test, the Board authorized purchase of a Biosonics DT-X unit, which Doyle received in fall 2006 and plans to deploy as part of our research program in 2007.

All the data gathered in the CWPA squid research program is entered into a **GIS database**. The initial phase of the database was completed in 2006 and contains fishery independent data from CalCOFI cruises from the 1980s through 2006, along with Sea Surface Temperature and chlorophyll concentrations. The database will be updated periodically as new data are received, including fishermen's bongo tows. The database will enable squid scientists to track squid abundance in varying environmental conditions. The goal is to document patterns in abundance over time.

CWPA is working to craft a partnership with DFG and the SW Fisheries Science Center to share research data and provide advice on future fishery management.

### 2006 WHERE THE MONEY WENT SUMMARY

**SPECIES ASSESSED JAN-NOV '06**

P. MACKEREL	7,269 TONS
J. MACKEREL	1,605
SARDINE	77,532
SQUID	90,278
ANCHOVY	20,850
OTHER	1,613
<b>TOTAL (ROUNDED)</b>	<b>198,751 ST</b>

**INCOME (ROUNDED)**

2005 RETAINED	<b>\$61,710.</b>
DEPOSITED 2006	198,377.
FISHERMEN	\$ 75,107.
PROCESSORS	\$107,154.
PY ASSES. REC'D	\$16,119.
BANK INTEREST	81.
TOTAL GRANTS	34,978.
ASSOCIATE MEMBERS (DEP. 2005)	.
<b>TOTAL INCOME</b>	<b>\$233,439.</b>

**EXPENSES**

BUSINESS TRAVEL TOTAL	13,560.
AIRFARE	\$3,931.
AUTO	\$3,772.
LODGING	\$3,329.
MEALS +	\$1,370.
MISC.	\$1,160.
DONATIONS (CFC)	2,500.
DBP&A SERVICES	48,000.
DUES & SUBSCRIPTIONS	1,243.
GRANT EXPENSE	36,181.
MEETING EXPENSE	385.
OFFICE EXPENSES	4,650.
OPERATIONS	\$349.
SUPPLIES	\$1,209.
POST + PRINT	\$982.
PHONE	\$2,046.
PROFESSIONAL (CPA, LEGAL)	4,657.
RESEARCH EXPENSE	102,830.
PROGRAM EXPENSE (MLPA)	5,287.
<b>TOTAL EXPENSES</b>	<b>\$219,320.</b>
NET ORDINARY INCOME	\$14,119.
OTHER INCOME	2,299.
NET INCOME	16,418.
<b>BALANCE DEC. 31</b>	<b>\$78,128.</b>