

Exhibit A: Excerpt PowerPoint slides from a February 2017 public webinar “Draft Approach to Scaled Management and a Fisheries Web-based Data Portal” as part of the MLMA Master Plan amendment process
 Excerpt PowerPoint slides from the February 2017 public webinar which provide draft, example slides that outline the concept of an online fisheries dashboard¹.



Welcome to the
California Fisheries Dashboard
 Information on state managed fisheries under the Marine Life Management Act



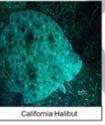
Sort by: **Name** | Gear type | Value | Commercial/recreational/both | **Finfish/invertebrates** | Search






Quick Links:

- Marine Life Management Act
- Free Guide to the MLMA
- The Master Plan for Fisheries
- The “Who Manages What?” management matrix
- Prioritizing management efforts






Draft Fishery Overview: Example, Pink Shrimp

Standard Format: Quick orientation to fishery with tabs for more information

“At a Glance”

Pacific Pink Shrimp – At a glance

2016 Risk Level: Low | 2016 Participation: 15 active vessels | 2016 Commercial Value: 3.7 million dollars (5th) | 2016 Landings: 8.5 million pounds (4th)

At a glance | **Biology** | The Fishery | Ecosystem considerations | Management measures | Research efforts and needs

Quick Links:

- Research and partnership opportunities
- Full 2016 Status Report
- Interactive maps
- Landings and permit data

“Biology”

Pacific Pink Shrimp – Biology

2016 Risk Level: Low | 2016 Participation: 15 active vessels | 2016 Commercial Value: 3.7 million dollars (5th) | 2016 Landings: 8.5 million pounds (4th)

At a glance | **Biology** | The Fishery | Ecosystem considerations | Management measures | Research efforts and needs

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“The Fishery”

Pacific Pink Shrimp – the fishery

2016 Risk Level: Low | 2016 Participation: 15 active vessels | 2016 Commercial Value: 3.7 million dollars (5th) | 2016 Landings: 8.5 million pounds (4th)

At a glance | Biology | **The Fishery** | Ecosystem considerations | Management measures | Research efforts and needs

FISHERY OVERVIEW

Geographic Distribution and History (2000)

Seasonal Landings and Value (2000-2016)

Additional Information

- California Department of Fish and Wildlife’s Coastal Species Services and Coastal Species Project
- The Pacific Fishery Management Council’s Coastal Species Services website

Biology: A Closer Look

Pacific Pink Shrimp – Biology

2016 Risk Level: Low

2016 Participation: 15 active vessels

2016 Commercial Value: 3.7 million dollars (5th)

2016 Landings: 8.5 million pounds (4th)

At a glance | **Biology** | The Fishery | Ecosystem considerations | Management measures | Research efforts and needs

Natural history of the species (7080b)



Distribution

Pink shrimp are found all along the west coast of North America, from the Aleutian Islands to San Diego. They are thought to be a single genetic stock throughout their entire range (OST, 2014). Pink shrimp are found at depths of 150 to 1200 feet, but tend to be caught between 250 and 750 feet in California. They are concentrated in well-defined muddy benthic habitats called beds, and the majority of beds with commercial concentrations are found off the Oregon Coast.

Quick Links:

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Interactive Data Query and Mapping Function

CA Commercial Market Squid Landings 2000 Fishing Season



Landings in Metric Tons

- 0 - 1,000
- 1,001 - 2,000
- 2,001 - 3,000
- 3,001 - 10,000
- 10,001 - 40,000

Market Squid Landings and Value Information

Season	Total Landings (MT)	Seasonal Catch Limit (MT)	Ex-Vessel Value
2000-01	124,378	N/A	\$24,158,795
2001-02	102,914	120,000	\$20,239,463
2002-03	47,616	120,000	\$11,989,856
2003-04	69,476	120,000	\$29,402,936
2004-05	56,372	120,000	\$27,030,090
2005-06	82,168	118,000	\$42,330,964
2006-07	39,360	118,000	\$18,741,533
2007-08	59,635	118,000	\$29,432,950
2008-09	40,146	118,000	\$27,419,266
2009-10	63,024	118,000	\$46,119,344
2010-11	133,442	118,000	\$66,236,366
2011-12	134,866	118,000	\$67,242,795
2012-13	106,080	118,000	\$62,781,267
2013-14	110,000	118,000	\$73,707,760
2014-15	114,064	118,000	\$72,806,270

Additional Information

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¹ February 2017 webinar PowerPoint: <https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=138044&inline>