

Expected Data Sources for the 2005 West Coast Groundfish Stock Assessments
Northwest Fisheries Science Center
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This is a summary of the data sources stock assessment authors are expecting and/or are considering to use in the 2005 groundfish assessments. It was compiled by Stacey Miller (NWFSC). Data sources and data type are abbreviated in the summary to keep the document at a reasonable length. Please see the abbreviation key below. This information is provided for your convenience and is subject to change. If you have any questions regarding data that will be used in a particular stock assessment, please contact either the stock assessment author or Ms. Stacey Miller (Stacey.Miller@noaa.gov).

Abbreviation Key

Biomass index - bio indx

Lengths or length composition - len

Ages or age composition - age

Maturity - mat

Individual weights - indiv wt

Spawning biomass index - spwn bio indx

Landings - land

Logbook - lgbk

Observer Data - Obsvr

Washington's Ocean Sampling Program - WA OSP

Oregon's Ocean Recreation Boat Survey - OR ORBS

California Commercial Passenger Fishing Vessel Observer or Logbook Data - CA CPFV

SPECIES**DATA SOURCES (*data elements*)**

Blackgill rockfish

AFSC Tri-Shelf Survey (*bio indx, len, ages*), NWFSC Slope/Shelf Survey '03-04 (*bio indx, len, sex*), Submersible/ROV Obs. (*abund habitat-based*), PacFIN (*land, logbk, len*), CalCOM (*land, len, sex*)

Bocaccio rockfish

AFSC Tri-Shelf Survey (*bio indx, len, sex*), CalCOFI (*spawn bio indx*), PacFIN (*land*), CalCOM (*land, len, age, sex, mat*), NWFSC Obsvr. (*discard rate, discard indiv len*), MRFSS (*land, effort, cpue, len, indiv wts, discard rate*), CA CPFV Obsvr (*cpue, len*)

Cabazon

CalCOFI (*spawn bio. indx*), CalCOM (*land, len*), MRFSS (*land, effort, cpue, len*), WA OSP (*land, effort, cpue, len*), ORBS (*land, effort, cpue, len*), CA CPFV Obsvr. (*cpue, len*), CA CPFV Logbook (*cpue*), AFSC Larval survey (*larval indx*), Power-Plant Impingement (*recruit. indx*), CA Spearfishing tournament (*catch, len*), TENERA surveys (*cpue*), Monterey adult fish survey (*cpue*), REEF (*cpue*).

Cal Scorpionfish

CalCOFI (*spawn bio. indx*), PacFIN (*land, len*), CalCOM (*land, len*), MRFSS (*land, len*), CDFG-Commercial Fishery Information System (CFIS): CMASTR (Commercial Master File for DFG) (*land*), CA CPFV Logbook (*cpue*), CA CPFV Obsvr (*cpue, len*), Power-Plant Impingement (*recruit. indx*), Sanitation Department LA (*bio indx*), Sanitation Department San Diego (*bio indx*)

Canary rockfish

AFSC Tri-Shelf Survey (*bio indx, len, age, sex*), NWFSC Slope/Shelf 2003-04 (*bio indx, len, age, mat, ave wt., sex*), CA Midwater Juv. Rockfish Survey (*recruit index*), Submersible Observation (*abund*), PacFIN (*land, len & age comps, sex*), Pikitch Obsvr data (*discard rate*), NWFSC Obsvr data (*discard rate*), NORPAC at-sea Obsvr. (*bycatch data*), MRFSS (*land, len*), CA CPFV Obsvr. (*cpue, len*)

SPECIES**DATA SOURCES (*data elements*)**

Cowcod

CalCOFI (*spawn bio. indx*), Habitat data (*bottom type*), Submersible Obs. (*abund*), PacFIN (*len, & age comps, sex*), CalCOM (*land, len, age, sex, mat*), NWFSC Obsvr (*discard rate, indiv len*), MRFSS (*land, effort, cpue, len, wt, discard rate*), CA CPFV Obsvr (*cpue, len*), CA CPFV Logbook (*cpue*), Power-Plant Impingement (*recruit. indx*), Sanitation Department (S. Calif Bight).

Darkblotched rockfish

AFSC Tri-Shelf Survey (*bio indx, len, ages, ind wts, sex*), AFSC Slope Survey (*bio indx, len, ages, ind wts., sex*), NWFSC Slope Survey '98-02 (*bio indxs, len, ages, sex*), NWFSC Slope/Shelf Survey '03-04 (*bio indx, len, ages, indiv. wts, sex*), PacFIN (*land, logbk, len & age comps, sex*), CalCOM (*len comps and sex*), Pikitch Obsvr. Data (*discard rate, discarded ind len*), AFSC POP Survey (*bio indx, len*), Rogers 2003 (*foreign catch*), Barss and Niska 1978 (*domestic landings in OR*), Lenarz 1993 (*domestic landings Con-UVan*), Fraidenburg et al. 1977 (*domestic landings in Monterey and Eureka INPFC areas*).

Dover sole

Brodziak et al. 1997 (*cpue, Humboldt State discard rate, land*), Brodziak & Mikus 2000 (*len-wt curve, , mat-len curve*), Hermann & Harry 1963 (*discard rate*) Barss & Demory 1985 (*discard rate*), AFSC Tri-Shelf Survey (*bio indx, len, age, indiv wt, sex*), AFSC Slope Survey (*bio indx, len, age, sex*), NWFSC Slope Survey '98-02 (*bio indx, len, age, mat, sex*), NWFSC Slope/Shelf '03-04 (*bio indx, len, age, mat, sex*), PacFIN (*land, len, age, sex*), Pikitch Obsvr Data (*discard rate*), EDCP Obsvr Data (*discard rate*), NWFSC Obsvr Data (*discard rate*).

English sole

Sampson 1993 (*land*), Jow 1969 (*land*), OR Fish Commission 1967 (*land*), CDFG Fish Bulletins (*land*), Smith 1956 (*land*), Cleaver 1951 (*land*), Heimann and Carlisle 1970 (*land*), Demory & Bailey 1967 (*len/age freq*), AFSC Shelf Survey Special Project by Sampson and Al-Jufaily 1995 (*mat., age-at-len*), Palmen 1956 (*ageing methods*), AFSC Tri-Shelf Survey (*bio indx, len, indiv wt, sex*), PacFIN (*land, len, age, sex*), CalCOM (*len, age, sex*), Pikitch Obsvr Data (*discard rate*), EDCP Obsvr Data (*discard rate*), NWFSC Obsvr Data (*discard rate*), Herrman and Harry 1963 (*discard rate*).

Gopher rockfish

PacFIN (*land*), CalCOM (*land, len, age, sex, mat*), MRFSS (*land, effort, cpue, len, indiv wt, discard rates*), CA CPFV Obsvr (*cpue, len*), CA CPFV Logbook (*cpue*).

SPECIES**DATA SOURCES (*data elements*)**

Kelp Greenling

CA Spearfishing Tournament (*catch, len*), TENERA Surveys (*cpue*), Monterey Adult Fish Survey (*cpue*), REEF (*cpue*), CalCOFI Data (*spawn bio indx*), CalCOM (*land, len*), MRFSS (*land, effort, cpue len, discard rate*), WA OSP (*land, effort, cpue, len*), OR RBS (*land, effort, cpue, len*), CA CPFV Obsvr (*cpue, len*), CA CPFV Logbook (*cpue, descript, summary*), AFSC&Soviet PRI Larval Study (*larval indx*), Power Plant Impingement (*recruitment indx*).

Lingcod (North)

WDFW Lingcod Tagging (*abund indx, len, ages*), AFSC Tri Shelf Survey (*bio indx, len, age*), NWFSC Slope/Shelf Survey 2003-04 (*bio indx*), PacFIN (*land, lgbk, len, age*), WA OSP (*land, len, age*), OR RBS (*land, cpue*).

Lingcod (South)

AFSC Tri Shelf Survey (*bio indx, age*), NWFSC Slope Survey 1998-02 (*bio indx*), PacFIN (*land, lgbk, age*), MRFSS (*land, age*), OR RBS (*land, cpue*), CA CPFV Logbook (*cpue*).

Longspine Thornyhead

AFSC Slope Survey (*bio indx, len*), NWFSC Slope Survey 1998-02 (*bio indx, len*), NWFSC Slope/Shelf Survey 2003-04 (*bio indx, len*), PacFIN (*land, len*), CalCOM (*land, len*), Pikitch Obsvr (*discard rate*), EDCP Obsvr (*discard rate*), NWFSC Obsvr (*discard rate*).

Petrale sole

HAL Database (*land*), AFSC Tri Shelf Survey (*bio indx, len, age*), NWFSC Slope/Shelf 2003-04 (*bio indx, len*), PacFIN (*land, lgbk, len, age, sex*), Pikitch Obsvr (*discard rate*), EDCP Obsvr (*discard rate*), NWFSC Obsvr (*discard rate*).

Pacific ocean perch

AFSC POP Survey (*bio indx, len, age*), AFSC Tri Shelf Survey (*bio indx, len, age*), AFSC Slope Survey (*bio indx, len*), NWFSC Slope Survey '98-02 (*bio indx, ages*), NWFSC Slope/Shelf 2003-04 (*bio indx, ages*), PacFIN (*land, lgbk, len, age*), Pikitch Obsvr (*discard rate*), EDCP Obsvr (*discard rate*), NWFSC Obsvr (*discard rate*).

SPECIES**DATA SOURCES (*data elements*)**

Sablefish

Pac.Fish.Env.Lab (*environmental data*), AFSC Pot Survey (*bio indx, len, age*), AFSC Tri Shelf Survey (*bio indx, len, age, sex*), AFSC Slope Survey (*bio indx, len, age, sex*), NWFSC Slope Survey 1998-02 (*bio indx, len, age, sex*) NWFSC Slope/Shelf Survey 2003-04 (*bio indx, len, age, ave wt, sex*), NWFSC Sablefish Pot Study 2002-03 (*CPUE, len, age, distribution*), PacFIN (*land, lgbk, len, age, sex*), EDCP Obsvr (*discard rate*), NWFSC Obsvr (*discard rate, discarded indiv len*), P. Whiting Shoreside Obsvr (*bycatch, len*).

Shortspine thornyhead

AFSC Tri Shelf Survey (*bio indx, len, sex*), AFSC Slope Survey (*bio indx, len, sex*), NWFSC Slope Survey 1998-02 (*bio indx, len*), NWFSC Slope/Shelf 2003-04 (*bio indx, len, sex*), Habitat Data (*bottom type*), Submersible/ROV Obs. (*abund indx*), PacFIN (*land, lgbk, len*), EDCP Obsvr (*discard rate*), NWFSC Obsvr (*discard rate*).

Starry flounder

PacFIN (*land, lgbk, len*), CalCOM (*len*), MRFSS (*land, effort, cpue, len, discard rate*), CA CPFV Logbook 1980-Present (*cpue*), CA CPFV Logbook 1936-39 & 1947-69 (*descriptive summary*).

Vermilion rockfish

AFSC Tri Shelf Survey (*bio indx, len, age, mat, indiv wt, sex*), PacFIN (*land, lgbk, len*), CalCOM (*land, len, age, sex, mat*), MRFSS (*land, effort, cpue, len, indiv wt, discard rates*), CA CPFV Obsvr (*cpue lengths*), CA CPFV Logbook (*cpue*)

Widow rockfish

AFSC Tri Shelf Survey (*bio indx*), CA Midwater Juvenile Rockfish Survey (*recruit indx*), P. Whiting Prerecruit Survey (*recruit indx*), Habitat Data (*bottom type*), PacFIN (*land, lgbk, len, age, sex*), CalCOM (*land, len, age, sex, mat*), NWFSC Obsvr (*discard rate, discard indiv len*), NORPAC At-Sea Obsvr (*bycatch*).

SPECIES**DATA SOURCES (*data elements*)**

Yelloweye rockfish

IPHC Survey (*rockfish bycatch*), Submersible/ROV Obs. (*abund indx*), PacFIN (*land*), CalCOM (*land, len, age, sex, mat*), MRFSS (*land, effort cpue, len, indiv wt, discard rates*), WA OSP (*land, effort cpue, len, indiv wt*), OR ORBS (*land, effort cpue, len, indiv wt*), CA CPFV Obsvr (*cpue, len*), CA CPFV Logbook (*cpue*).

Yellowtail rockfish

HAL Database (*land*), AFSC Tri Shelf Survey (*bio indx, len, age, mat, indiv wt, sex*), NWFSC Slope/Shelf 2003-04 (*bio indx, len, age, mat, ave wt, sex*), PacFIN (*land, lgbk, len, age, sex*), Pikitch Obsvr (*discard rate*), EDCP Obsvr (*discard rate*), NWFSC Obsvr (*discard rate*), NORPAC At-Sea Obsvr (*bycatch*), P. Whiting Shoreside Obsvr (*bycatch*).