

Structure Exchanges

CARE members participate in ageing structure exchanges for greater understanding of the ageing process and for alternate interpretations of growth patterns. Exchanges can be for training (a group that is beginning to age a new species can request structure exchanges from a group that has experience with that particular species) or for calibration of ages between two experienced ageing groups.

Refer to the CARE Charter for structure exchange protocols (PDF).

[Click here for a table of exchange results \(Excel\).](#) Updated June 2016.

[Click here for the structure exchange CASE invoice \(Excel\).](#)

EXCHANGE ID NO.	EXCHANGE YEAR	SPECIES	STOCK	ORIGINATING AGENCY	COORDINATOR	COOPERATOR(S)	16-002	2016	Pacific herring	Puget Sound	WDFW
Andrew Claiborne	CDFO	16-001	2016	Pacific herring	14 and 17	CDFO	Joanne Groot				
WDFW	15-004	2015	Geoduck	Barkley Sound, WCVI	CDFO	Judy McArthur	ADFG,				
WDFW	15-003	2015	Geoduck	Dungeness Central tract, WA	WDFW	Bethany Stevick					
ADFG-ADU, CDFO	15-002	2015	Geoduck	Southern Southeast Alaska, Inside	ADFG-Juneau						
Kristin Politano	WDFW, CDFO	15-001	2015	Black Rockfish	Oregon	ODFW	Lisa Kautzi				
NWFSC-PSMFC	14-012	2014	Spiny Dogfish	Gulf of Alaska	ABL	Cindy Tribuzio					
AFSC	14-011	2014	Black Rockfish	Oregon	ODFW	Lisa Kautzi	WDFW	14-010			
2014	Lingcod	Kodiak	ADFG-Kodiak	Sonya Elmejjati	ADFG-Homer	14-009	2014				
Shortraker Rockfish	Aleutian Islands, Canadian Waters	AFSC	Charles Hutchinson	ADFG, CDFO							
14-008	2014	Shortraker Rockfish	5E	CDFO	Joanne Groot	NMFS-AFSC	14-007				
2014	Longnose Skate	US West Coast	CDFO	Jackie King	AFSC, PSRC	14-006	2014				
Longnose Skate	US West Coast	CDFO	Jackie King	CDFO, AFSC, PSRC	14-005	2014					
Big Skate	US West Coast	CDFO	Jackie King	CDFO, AFSC, PSRC	14-004	2014	Big				
Skate	US West Coast	CDFO	Jackie King	CDFO, AFSC, PSRC	14-003	2014	Lingcod				
Kodiak	ADFG-Kodiak	Sonya Elmejjati	ADFG-ADU	14-002	2014	Spiny Dogfish	Gulf of				
Alaska	ABL	Cindy Tribuzio	AFSC	14-001	2014	Rougheye rockfish	Washington				
WDFW	Sandy Rosenfield	NWFSC - PSMFC	13-001	2013	Geoduck	SE Alaska	ADFG-				
Juneau	A. Rebert	CDFO, WDFW	12-003	2012	Sablefish	Mixed	ADFG-Juneau	K.			
Munk	CDFO, NWFSC, AFSC	12-002	2012	Sardines	British Columbian	CDFO	V. Hodes				
WDFW	12-001	2012	Sardines	Astoria, OR	WDFW	S. Rosenfield	CDFO	11-			
004	2011	Longnose Skate	US West Coast	ODFW	J. Thompson	AFSC	11-003	2011			
Longnose Skate	US West Coast	ODFW	J. Thompson	AFSC	11-002	2011	Longnose				
Skate	Gulf of Alaska	AFSC	C. Gburski	ADFG, ODFW	11-001	2011	Big Skate	Gulf of			
Alaska	AFSC	C. Gburski	ADFG, ODFW	10-007	2010						
Yelloweye rockfish											
Alaska											
ADFG - Homer											
E. Russ											
ADFG-Juneau											
10-006	2010	Longnose Skate	Gulf of Alaska	AFSC	C. Gburski	CDFO	10-005				
2010	Big Skate	Gulf of Alaska	AFSC	C. Gburski	CDFO	10-004	2010	Pacific hake			
US West Coast	CAP/PSMFC	O. Rodriguez	CDFO	10-003	2010	Pacific Ocean Perch					
Pacific Northwest Coast	WDFW	S. Rosenfield	CDFO	10-002	2010	Lingcod	Gulf of				
Alaska	ADFG	K. Munk	ODFW	10-001	2010	Pacific hake	Pacific Northwest Coast				
CDFO	J. Groot	NWFSC	09-009								
2009	Sablefish										
Alaska	AFSC	D. Anderl									
CDFO, NWFSC, ADFG-Juneau											
09-008	2009	Pacific Cod	Aleutian Islands								
ADFG	S. El Mejjati	AFSC	09-007	2009	Pacific Cod	Gulf of Alaska					
ADFG	S. El Mejjati	AFSC	09-006	2009	Pacific hake	Pacific Northwest Coast					
NWFSC	O. Rodriguez	CDFO	09-005	2009	Pacific hake	Pacific Northwest Coast	CDFO				
J. Groot	NWFSC	09-004	2009	Sablefish	Pacific Northwest Coast	AFSC	D. Anderl				
NWFSC, CDFO, ADFG	09-003	2009	Sablefish	Pacific Northwest Coast	NWFSC	P.					
McDonald	AFSC, CDFO, ADFG	09-002	2009	Sablefish	British Columbian						
CDFO	S. MacLellan	ADFG, NWFSC, AFSC	09-001	2009	Sablefish	Alaska	ADFG				
J. Niel	CDFO, NWFSC, AFSC	08-003	2008	Yelloweye Rockfish	Southeast Alaska	ADFG-					
Juneau	K. Munk	CDFO, WDFW	08-002	2008	Sablefish	Pacific Northwest Coast					

NWFSC P. McDonald AFSC, ADFG-Juneau, CDFO 08-001 2008 Sablefish BC CDFO
S. MacLellan AFSC, ADFG-Juneau 07-006 2007 Pacific hake Pacific Northwest Coast
NWFSC O. Rodriguez CDFO 07-005 2007 Pacific hake BC CDFO S. MacLellan
NWFSC 07-004 2007 Vermillion rockfish Pacific Northwest Coast ODFW J. Thompson
ADFG-Juneau 07-003 2007 Lingcod BC CDFO S. MacLellan ADFG-Homer
07-002 2007 Lingcod Alaska ADFG-Homer C. Russ CDFO 07-001 2007
Sablefish Alaska ADFG-Juneau K. Munk NWFSC, CDFO 06-006 2006 Pacific hake
West Coast Vancouver Island CDFO S. MacLellan NWFSC 06-005 2006 Pacific hake
Pacific Northwest Coast NWFSC O. Rodriguez CDFO 06-004 2006 Sablefish Alaska
AFSC D. Anderl NWFSC, CDFO, ADFG-Juneau 06-003 2006 Sablefish West Coast
CDFO S. MacLellan NWFSC, AFSC, ADFG-Juneau 06-002 2006 Sablefish West Coast
NWFSC P. McDonald AFSC, CDFO, ADFG-Juneau 06-001 2006 Sablefish Alaska
ADFG-Juneau K. Munk NWFSC, AFSC, CDFO 05-004 2005 Pacific Ocean Perch Pacific
Northwest Coast NWFSC S. Concetti AFSC 05-003 2005 Pacific hake Pacific Northwest
Coast NWFSC O. Rodriguez CDFO 05-002 2005 Pacific hake Pacific Northwest Coast
CDFO O. Rodriguez NWFSC 05-001 2005 Pacific hake Pacific Northwest Coast
CDFO O. Rodriguez NWFSC 04-007 2004 Pacific hake Pacific Northwest Coast
NWFSC O. Rodriguez CDFO 04-006 2004 Pacific hake Pacific Northwest Coast CDFO
O. Rodriguez NWFSC 04-005 2004 Pacific hake Pacific Northwest Coast NWFSC O.
Rodriguez CDFO 04-004 2004 Dover sole Pacific Northwest Coast ODFW B. Mikus
CDFG, NWFSC
04-003 2004 Darkblotched rockfish Pacific Northwest Coast NWFSC J. Menkel AFSC
04-002 2004 sablefish Pacific Northwest Coast NWFSC P. McDonald AFSC 04-
001 2004 Pollock Shelikof st. AFSC C. Kastle ADFG-Juneau 03-004 2003
Pacific Cod Alaska ADFG-Kodiak J. Brodie AFSC 03-003 2003 Pacific hake Pacific
Northwest Coast CDFO S. MacLellan NWFSC
03-002 2003 Pacific hake Pacific Northwest Coast NWFSC O. Rodriguez CDFO
03-001 2003 Dover sole Å ODFW B. Mikus CDFG, NWFSC
02-004 2002 sablefish Pacific Northwest Coast ODFW P. McDonald AFSC, CDFO,
ADFG-Juneau 02-002 2002 Dover sole Pacific Northwest Coast ODFW B. Miller AFSC,
CDFG, IPHC 02-001 2002 Sablefish(known-age) Gulf of Alaska AFSC D.Anderl ADFG-
Juneau 01-004 2001 Pacific hake Pacific Northwest Coast ODFW P. McDonald AFSC
01-003 2001 Pacific hake Pacific Northwest Coast AFSC D. Anderl ODFW 01-
002 2000 Lingcod Pacific Northwest Coast WDFW J. Sneva CDFO, ODFW 01-001
2001 Yelloweye Rockfish Southeast Alaska ADFG-Juneau K. Munk CDFO 00-006 2000
Thornyhead rockfish Southcentral Alaska ADFG-Juneau K. Munk CDFO 00-005 2000
Pollock Gulf of Alaska ADFG-Juneau K. Munk AFSC 00-004 2000 Dover Sole(3)
Gulf of Alaska ODFW B. Mikus CDFG, IPHC, AFSC 00-003 2000 Dover Sole(2) Pacific
Northwest Coast ODFW B. Mikus CDFG, IPHC, AFSC, CDFO
00-002 2000 Dover Sole(1) Pacific Northwest Coast ODFW B. Mikus CDFG, IPHC,
CDFO, AFSC
00-001 2000 Sablefish Southeast Alaska ADFG-Juneau K. Munk ODFW, AFSC
99-012 1999 Pacific hake British Columbian
CDFO S. MacLellan AFSC 99-011 1999 Lingcod Alaska
ADFG-Homer C. Stock CDFO 99-010 1999 Dusky Rockfish Southeast and
Southcentral Alaska ADFG-Juneau K. Munk CDFO, ODFW, WDFW 99-009 1999 Quillback
Rockfish Southeast and Southcentral Alaska ADFG-Juneau K. Munk CDFO, ODFW, WDFW 99-
008 1999 Thornyhead rockfish Southeast and Southcentral Alaska ADFG-Juneau K. Munk CDFO,
ODFW 99-007 1999 Yelloweye Rockfish Southeast and Southcentral Alaska ADFG-Juneau
K. Munk CDFO, ODFW, WDFW 99-006 1999 Roughey Rockfish Southeast and Southcentral
Alaska ADFG-Juneau K. Munk CDFO, ODFW 99-005 1999 Lingcod Pacific Northwest
Coast WDFW J. Sneva CDFO, NMFS-Tiburon 99-004 1999 Halibut Alaska
ADFG-Homer S. Meyer IPHC 99-001 1999 Dover Sole Pacific Northwest Coast
ODFW B. Mikus CDFG, IPHC, NMFS 98-002 1998 Black Rockfish Pacific Northwest
Coast
WDFW J. Sneva ODFW 98-001 1998 English Sole Pacific Northwest Coast
WDFW J. Sneva ODFW