

## 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			
Skate	US West Coast	CDFO	Jackie King	CDFO, AFSC, PSRC			14-003	2014			
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