

## **Summary of the amount of data for each super-area available for the assessment of the west coast rock lobster**

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### **1. Commercial CPUE data**

Table 1 provides the samples sizes corresponding to the commercial CPUE sampling scheme.

### **2. FIMS data**

Table 2 reports the FIMS sample sizes collected at each area. These data are used for the FIMS CPUE and catch-at-size data series.

### **3. Commercial catch-at-length data**

Tables 3a-b report the sample sizes for each super-area for traps and hoops.

### **4. Somatic growth rate data**

Table 4a reports the total data records used for the mould probability somatic growth model, after all exclusions. Table 4b reports these values for each macro-area and super-area. Table 4c reports these values for each location for each season.

Table 1: Commercial CPUE sample sizes.

	method	area						Grand Total
		3	4	5	6	7	8	
1982	<b>hoops</b>	396		274	235		26	931
	<b>traps</b>	1544	507	2218	1108	1447	1556	8380
1982		1940	507	2492	1343	1447	1582	9311
Total								
1983	<b>hoops</b>	376	36	182	123	7	20	744
	<b>traps</b>	1460	408	1940	1345	907	1438	7498
1983		1836	444	2122	1468	914	1458	8242
Total								
1984	<b>hoops</b>	301	60		5			366
	<b>traps</b>	642	208	875	944	896	1096	4661
1984		943	268	875	949	896	1096	5027
Total								
1985	<b>hoops</b>	471	73	263	121	15		943
	<b>traps</b>	805	357	983	1157	760	561	4623
1985		1276	430	1246	1278	775	561	5566
Total								
1986	<b>hoops</b>	440	24	8	297	74		843
	<b>traps</b>	499	144	1008	767	550	801	3769
1986		939	168	1016	1064	624	801	4612
Total								
1987	<b>hoops</b>	583	236	508	89	83	137	1636
	<b>traps</b>	985	297	1821	966	1541	1296	6906
1987		1568	533	2329	1055	1624	1433	8542
Total								
1988	<b>hoops</b>	764	371	334	163		81	1713
	<b>traps</b>	853	279	1117	783	1262	856	5150
1988		1617	650	1451	946	1262	937	6863
Total								
1989	<b>hoops</b>	682	579	128	131		83	1603
	<b>traps</b>	1199	449	872	1007	1195	951	5673
1989		1881	1028	1000	1138	1195	1034	7276
Total								
1990	<b>hoops</b>	604	374	70	86		49	1183
	<b>traps</b>	1579	805	1181	974	1056	536	6131
1990		2183	1179	1251	1060	1056	585	7314
Total								
1991	<b>hoops</b>	460	478	237	113	59	75	1422
	<b>traps</b>	2910	2744	1766	1258	1455	661	10794
1991		3370	3222	2003	1371	1514	736	12216
Total								
1992	<b>hoops</b>	364	328	237	139	293	55	1416
	<b>traps</b>	2774	1699	2044	1039	1142	1775	10473
1992		3138	2027	2281	1178	1435	1830	11889
Total								
1993	<b>hoops</b>	491	2175	952	1101	2	751	5472
	<b>traps</b>	459	611	1401	1189	924	1250	5834
1993		950	2786	2353	2290	926	2001	11306
Total								
1994	<b>hoops</b>	81	2934	1385	457		916	5773
	<b>traps</b>	5	1066	501	965	808	1352	4697
1994		86	4000	1886	1422	808	2268	10470
Total								
1995	<b>hoops</b>	571	4541	820	193	74	899	7098

	<b>traps</b>	242	2639	299	511	1278	1480	6449
1995		813	7180	1119	704	1352	2379	13547
Total								
1996	<b>hoops</b>	69	1764	412	12	11	600	2868
	<b>traps</b>	59	703	94	283	757	1185	3081
1996		128	2467	506	295	768	1785	5949
Total								
1997	<b>hoops</b>	28	2222	613	49	3	625	3540
	<b>traps</b>	80	511	88	285	640	1581	3185
1997		108	2733	701	334	643	2206	6725
Total								
1998	<b>hoops</b>	1	1785	661			533	2980
	<b>traps</b>	5	160	96	255	1197	1582	3295
1998		6	1945	757	255	1197	2115	6275
Total								
1999	<b>hoops</b>	34	1080	269		67	559	2009
	<b>traps</b>	34	89	7	93	986	1698	2907
1999		68	1169	276	93	1053	2257	4916
Total								
2000	<b>hoops</b>	37	1795	559	4	20	463	2878
	<b>traps</b>	200	10	3	52	1020	1534	2819
2000		237	1805	562	56	1040	1997	5697
Total								
2001	<b>hoops</b>	39	1209	348		34	447	2077
	<b>traps</b>	377	2		12	1054	1330	2775
2001		416	1211	348	12	1088	1777	4852
Total								
2002	<b>hoops</b>	167	669	33	316		935	2120
	<b>traps</b>	184	8		24	1080	2280	3576
2002		351	677	33	340	1080	3215	5696
Total								
2003	<b>hoops</b>	1088	1283	331	940		1644	5286
	<b>traps</b>	1	28			1799	2041	3869
2003		1089	1311	331	940	1799	3685	9155
Total								
2004	<b>hoops</b>	801	717	328	664		1708	4218
	<b>traps</b>	53	1		3	1949	2454	4460
2004		854	718	328	667	1949	4162	8678
Total								
2005	<b>hoops</b>	552	1248	342	443		1313	3898
	<b>traps</b>	55	1		3	2334	1146	3539
2005		607	1249	342	446	2334	2459	7437
Total								
<b>Grand Total</b>		26404	39707	2760	2070	2877	44359	187561
				8	4	9		

Table 2: Sample sizes for the FIMS sampling scheme

	<b>A3-6</b>	<b>A7</b>	<b>A8</b>
1992	5947	8759	26528
1993	1320	3915	29359
1994	3177	3196	31200
1995	5683	1217	33273
1996	7394	3005	30740
1997	450	4284	34535
1998	3197	7063	37998
1999	0	0	0
2000	1820	2807	32932
2001	547	12129	35285
2002	2093	9028	30462
2003	1160	8210	32576
2004	491	7156	32736

Table 3a: Sample size for the commercial trap catch-size-structure sampling scheme.

	<b>A3-4</b>	<b>A5-6</b>	<b>A7</b>	<b>A8</b>
1976	1765	4330	1193	1217
1977	2493	580	2392	1490
1978	2136	2571	2549	1760
1979	2935	10808	5857	0
1980	6679	1185	3298	2495
1981	1537	14897	1372	755
1982	19185	14968	0	11758
1983	10282	10499	10007	6902
1984	19686	9711	4393	7370
1985	8559	7207	6975	19934
1986	10262	20850	10601	18829
1987	7952	15983	8499	8671
1988	31076	11472	6998	14338
1989	24586	11386	10735	8962
1990	31309	13517	20602	14602
1991	19562	14874	12072	16504
1992	4127	3572	1301	1874
1993	5283	17616	4982	5955
1994	41795	10632	18192	50250
1995	27254	7994	16014	4211
1996	14196	10388	9198	5477
1997	3129	8188	28468	2274
1998	8882	565	70465	1
1999	0	0	0	0
2000	0	0	0	0
2001	0	0	152	367
2002	9955	227	34687	29067
2003	0	0	42360	49579
2004	687	0	56188	25081

Table 3b: Sample sizes for the commercial hoop catch-size-structure sampling scheme.

	<b>A1-2</b>	<b>A3-4</b>	<b>A5-6</b>	<b>A7</b>	<b>A8</b>
1976	0	6268	947	0	0
1977	0	3353	2082	0	0
1978	0	2760	4259	571	0
1979	0	2015	5116	0	0
1980	0	2542	1071	192	0
1981	0	3957	8223	0	0
1982	0	7555	1119	0	2072
1983	0	5115	2609	818	154
1984	0	8250	2267	0	395
1985	25852	6710	2126	0	1451
1986	19214	6930	3222	0	2979
1987	13785	3892	4616	0	764
1988	7409	10605	5255	0	90
1989	15010	8483	1922	0	312
1990	19588	1393	2114	0	0
1991	17387	525	3536	0	95
1992	14204	1184	5239	0	1061
1993	23161	1700	4584	0	0
1994	27995	10527	724	1100	279
1995	17774	5905	5942	0	696
1996	10574	18609	0	0	2759
1997	12015	15160	0	53	198
1998	7131	16789	0	3065	0
1999	0	0	0	0	0
2000	77	0	0	0	0
2001	0	0	0	0	0
2002	11345	6393	3164	0	0
2003	0	21421	1207	0	10405
2004	0	21801	347	0	7908

Table 4a: The total somatic growth data records used for each season.

<b>year</b>	<b>counts:</b>
1968	643
1969	1980
1970	1351
1971	955
1972	178
1973	81
1974	34
1975	212
1976	414
1977	135
1978	180
1979	308
1980	1606
1981	1327
1982	1155
1983	459
1984	932
1985	2434
1986	2538
1987	2995
1988	2156
1989	1297
1990	1509
1991	2033
1992	2201
1993	1520
1994	2116
1995	2361
1996	1936
1997	1852
1998	1465
1999	1169
2000	658
2001	895
2002	768
2003	628
2004	1045
2005	463

Table 4b: Summary of total somatic growth data records for each location.

<b>area</b>	<b>counts:</b>	<b>macro area</b>	<b>Super- area</b>
<b>CP1</b>	289	Cape Peninsula	<b>Area 8</b>
<b>CP2</b>	8132		
<b>CP3</b>	625		
<b>CP4</b>	1758		
<b>CP5</b>	332		
<b>CP6</b>	7		
<b>DI</b>	6053	Dassen Island	<b>Area 7</b>
<b>EB</b>	3947	Elands' Bay	<b>Area 3</b>
<b>HB</b>	6933	Knol	<b>Area 8</b>
<b>HKB</b>	59	Hondeklip Baai	<b>Area 2</b>
<b>LB1</b>	470	Lambert's Bay	<b>Area 4</b>
<b>LB2</b>	304		
<b>LB3</b>	304		
<b>LB4</b>	69		
<b>LB5</b>	208		
<b>PN2</b>	0		
<b>PN3</b>	0		
<b>PN4</b>	0		
<b>PN5</b>	0		
<b>PN6</b>	0		
<b>RI</b>	537	Robben Island	<b>Area 8</b>
<b>SAL1</b>	727	Saldanha Bay	<b>Area 6</b>
<b>SAL2</b>	110		
<b>ST1</b>	649	St Helena Bay	<b>Area 5</b>
<b>ST2</b>	256		
<b>ST3</b>	61		
<b>ST4</b>	212		
<b>WB1</b>	111	Walker Bay	<b>Area 8</b>
<b>WB2</b>	256		
<b>WB3</b>	22		

Table 4c: The somatic growth data records used for each season for each location.

Area	Year	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985
CP1		61	121	25	38	10	1	1	0	0	0	0	0	0	0	99	7	0	0
CP2		54	96	16	43	3	1	1	0	0	0	0	0	0	0	138	2	0	1032
CP3		129	200	44	53	7	3	0	0	0	0	0	0	0	0	284	31	0	0
CP4		216	529	570	338	95	48	13	0	0	0	0	0	0	0	108	9	0	0
CP5		76	180	39	68	23	2	0	0	0	0	0	0	0	0	42	4	0	0
CP6		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DI		107	854	657	415	40	8	0	0	0	0	0	48	1606	0	0	0	140	1
EB		0	0	0	0	0	0	0	90	196	0	0	0	0	727	198	0	216	28
HB		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	167	1202
HKB		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59
LB1		0	0	0	0	0	0	0	22	0	135	46	0	0	0	0	0	114	6
LB2		0	0	0	0	0	0	0	41	140	0	0	0	0	0	13	13	110	7
LB3		0	0	0	0	0	0	0	59	78	0	0	0	0	0	41	41	113	0
LB4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	69	69	0	0
LB5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	136	136	72	5
PN2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PN3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PN4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PN5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PN6		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RI		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94
SAL1		0	0	0	0	0	3	1	0	0	0	36	94	0	146	3	0	0	0
SAL2		0	0	0	0	0	15	18	0	0	0	12	24	0	43	0	0	0	0
ST1		0	0	0	0	0	0	0	0	0	0	55	42	0	222	17	1	0	0
ST2		0	0	0	0	0	0	0	0	0	0	4	17	0	26	1	146	0	0
ST3		0	0	0	0	0	0	0	0	0	0	15	28	0	18	0	0	0	0
ST4		0	0	0	0	0	0	0	0	0	0	12	55	0	145	6	0	0	0
WB1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WB2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WB3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



Area	Year	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003
CP1		0	0	0	0	0	0	4	4	4	4	0	0	0	0	0	0	0	0	0
CP2		1032	928	812	959	509	317	604	749	562	627	707	668	738	514	92	106	174	243	228
CP3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CP4		0	0	0	0	173	176	237	72	38	6	0	0	0	0	0	0	0	0	0
CP5		0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0
CP6		0	0	3	3	2	0	4	3	1	1	0	0	0	0	0	0	0	0	0
DI		1	1	86	102	119	85	103	203	170	349	280	192	242	378	346	161	216	150	131
EB		28	10	380	324	139	513	603	228	26	294	200	49	55	6	12	0	25	1	27
HB		1202	1409	1393	462	223	334	381	649	548	823	955	871	740	450	642	298	336	210	202
HKB		59	43	14	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LB1		6	0	29	30	21	61	28	51	0	0	0	0	0	0	0	0	0	0	0
LB2		7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LB3		0	0	4	3	1	9	3	0	0	0	0	0	0	0	0	0	0	0	0
LB4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LB5		5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PN2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PN3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PN4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PN5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PN6		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RI		94	147	244	250	98	7	63	7	4	0	0	0	0	0	0	0	0	0	0
SAL1		0	0	0	0	0	0	0	0	49	12	219	156	77	4	19	2	0	0	0
SAL2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ST1		0	0	30	19	10	7	0	169	118	0	0	0	0	0	0	0	0	0	0
ST2		0	0	0	0	0	0	0	63	0	0	0	0	0	0	0	0	0	0	0
ST3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ST4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WB1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	23	46	51	18
WB2		0	0	0	0	0	0	0	0	0	0	0	0	0	113	31	49	80	107	21
WB3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	18	6	1