

# *Carcharodus alceae* analysis of the database before and after filtering

Start data	# obs lines	# spec.	Mean	Filtered	# obs lines	# spec.	Mean	Filtered/Start %	Filter/Start % Spec.
<b>approved based on evidence</b>	<b>7565</b>	<b>16328</b>	<b>2,16</b>		<b>5293</b>	<b>9432</b>	<b>1,78</b>	<b>70,0%</b>	<b>57,8%</b>
aberrant	0	0		aberrant	0	0			
egg	551	5704	10,35	egg	331	2525	7,63	60,1%	44,3%
adult	5012	6282	1,25	adult	3602	4303	1,19	71,9%	68,5%
unknown	809	1065	1,32	unknown	621	758	1,22	76,8%	71,2%
chrysalis	14	22	1,57	chrysalis	5	8	1,60	35,7%	36,4%
caterpillar	1179	3255	2,76	caterpillar	734	1838	2,50	62,3%	56,5%
<b>approved based on expert judgement</b>	<b>8</b>	<b>11</b>	<b>1,38</b>		<b>8</b>	<b>11</b>	<b>1,38</b>	<b>100,0%</b>	<b>100,0%</b>
aberrant	0	0		aberrant	0	0			
egg	1	1	1,00	egg	1	1	1,00	100,0%	100,0%
adult	3	3	1,00	adult	3	3	1,00	100,0%	100,0%
unknown	0	0		unknown	0	0			
chrysalis	0	0		chrysalis	0	0			
caterpillar	4	7	1,75	caterpillar	4	7	1,75	100,0%	100,0%
<b>approved based on knowledge rules – proximity</b>	<b>2322</b>	<b>2778</b>	<b>1,20</b>		<b>1853</b>	<b>2164</b>	<b>1,17</b>	<b>79,8%</b>	<b>77,9%</b>
aberrant	0	0		aberrant	0	0			
egg	15	40	2,67	egg	13	34	2,62	86,7%	85,0%
adult	2227	2582	1,16	adult	1769	1990	1,12	79,4%	77,1%
unknown	0	0		unknown	0	0			
chrysalis	0	0		chrysalis	0	0			
caterpillar	80	156	1,95	caterpillar	71	140	1,97	88,8%	89,7%
<b>not judgeable</b>	<b>15</b>	<b>49</b>	<b>3,27</b>		<b>3</b>	<b>17</b>	<b>5,67</b>	<b>20,0%</b>	<b>34,7%</b>
aberrant	0	0		aberrant	0	0			
egg	4	10	2,50	egg	1	1	1,00	25,0%	10,0%
adult	10	38	3,80	adult	2	16	8,00	20,0%	42,1%
unknown	0	0		unknown	0	0			
chrysalis	0	0		chrysalis	0	0			
caterpillar	1	1	1,00	caterpillar	0	0		0,0%	0,0%
<b>untreated</b>	<b>16</b>	<b>67</b>	<b>4,19</b>		<b>5</b>	<b>33</b>	<b>6,60</b>	<b>31,3%</b>	<b>49,3%</b>
aberrant				aberrant					
egg	6	33	5,50	egg	3	25	8,33	50,0%	75,8%
adult	4	4	1,00	adult	1	1	1,00	25,0%	25,0%
unknown	2	2	1,00	unknown				0,0%	0,0%
chrysalis	0	0		chrysalis					
caterpillar	4	28	7	caterpillar	1	7	7,00	25,0%	25,0%

# Brenthis daphne analysis of the database before and after filtering

Start data	# obs lines	# spec.	Mean	Filtered	# obs lines	# spec.	Mean	Filtered/Start %	Filter/Start % Spec.
<b>approved based on evidence</b>	<b>6916</b>	<b>13325</b>	<b>1,93</b>		<b>4456</b>	<b>7714</b>	<b>1,73</b>	<b>64,4%</b>	<b>57,9%</b>
aberrant	2	2	1,00	aberrant	1	1	1,00	50,0%	50,0%
egg	0	0		egg					
adult	6065	11644	1,92	adult	3980	6824	1,71	65,6%	58,6%
unknown	768	1584	2,06	unknown	475	889	1,87	61,8%	56,1%
chrysalis	4	4	1,00	chrysalis				0,0%	0,0%
caterpillar	77	91	1,18	caterpillar				0,0%	0,0%
<b>approved based on expert judgement</b>	<b>0</b>	<b>0</b>			<b>0</b>	<b>0</b>			
aberrant	0	0		aberrant	0	0			
egg	0	0		egg	0	0			
adult	0	0		adult	0	0			
unknown	0	0		unknown	0	0			
chrysalis	0	0		chrysalis	0	0			
caterpillar	0	0		caterpillar	0	0			
<b>approved based on knowledge rules – proximity</b>	<b>0</b>	<b>0</b>			<b>0</b>	<b>0</b>			
aberrant	0	0		aberrant	0	0			
egg	0	0		egg	0	0			
adult	0	0		adult	0	0			
unknown	0	0		unknown	0	0			
chrysalis	0	0		chrysalis	0	0			
caterpillar	0	0		caterpillar	0	0			
<b>not judgeable</b>	<b>92</b>	<b>124</b>	<b>1,35</b>		<b>30</b>	<b>44</b>	<b>1,47</b>	<b>32,6%</b>	<b>35,5%</b>
aberrant	0	0		aberrant					
egg	0	0		egg					
adult	57	69	1,21	adult	12	18	1,50	21,1%	26,1%
unknown	34	54	1,59	unknown	18	26	1,44	52,9%	48,1%
chrysalis	0	0		chrysalis					
caterpillar	1	1	1,00	caterpillar				0,0%	0,0%
<b>untreated</b>	<b>1330</b>	<b>1827</b>	<b>1,37</b>		<b>923</b>	<b>1177</b>	<b>1,28</b>	<b>69,4%</b>	<b>64,4%</b>
aberrant				aberrant					
egg				egg					
adult	1238	1692	1,37	adult	889	1133	1,27	71,8%	67,0%
unknown	55	95	1,73	unknown	34	44	1,29	61,8%	46,3%
chrysalis	1	1	1,00	chrysalis				0,0%	0,0%
caterpillar	36	39	1,08	caterpillar				0,0%	0,0%

# *Pieris mannii* analysis of the database before and after filtering

Start data	# obs lines	# spec.	Mean	Filtered	# obs lines	# spec.	Mean	Filtered/Start %	Filter/Start % Spec.
<b>approved based on evidence</b>	<b>4576</b>	<b>7164</b>	<b>1,57</b>		<b>2361</b>	<b>2927</b>	<b>1,24</b>	<b>51,6%</b>	<b>40,9%</b>
aberrant	2	2	1,00	aberrant	1	1	1,00	50,0%	50,0%
egg	87	1059	12,17	egg	22	170	7,73	25,3%	16,1%
adult	4095	4907	1,20	adult	2134	2408	1,13	52,1%	49,1%
unknown	217	248	1,14	unknown	148	159	1,07	68,2%	64,1%
chrysalis	9	9	1,00	chrysalis	2	2	1,00	22,2%	22,2%
caterpillar	166	939	5,66	caterpillar	54	187	3,46	32,5%	19,9%
<b>approved based on expert judgement</b>	<b>475</b>	<b>599</b>	<b>1,26</b>		<b>310</b>	<b>370</b>	<b>1,19</b>	<b>65,3%</b>	<b>61,8%</b>
aberrant	4	4	1,00	aberrant	1	1	1,00	25,0%	25,0%
egg	29	88	3,03	egg	11	41	3,73	37,9%	46,6%
adult	293	352	1,20	adult	174	201	1,16	59,4%	57,1%
unknown	139	143	1,03	unknown	117	119	1,02	84,2%	83,2%
chrysalis	0	0		chrysalis	0	0			
caterpillar	10	12	1,20	caterpillar	7	8	1,14	70,0%	66,7%
<b>approved based on knowledge rules – proximity</b>	<b>1125</b>	<b>1511</b>	<b>1,34</b>		<b>598</b>	<b>713</b>	<b>1,19</b>	<b>53,2%</b>	<b>47,2%</b>
aberrant	0	0		aberrant	0	0			
egg	5	22	4,40	egg	2	9	4,50	40,0%	40,9%
adult	1105	1468	1,33	adult	589	695	1,18	53,3%	47,3%
unknown	0	0		unknown	0	0			
chrysalis	0	0		chrysalis	0	0			
caterpillar	15	21	1,40	caterpillar	7	9	1,29	46,7%	42,9%
<b>not judgeable</b>	<b>160</b>	<b>169</b>	<b>1,06</b>		<b>103</b>	<b>110</b>	<b>1,07</b>	<b>64,4%</b>	<b>65,1%</b>
aberrant				aberrant					
egg	4	4	1,00	egg	2	2	1,00	50,0%	50,0%
adult	99	108	1,09	adult	52	59	1,13	52,5%	54,6%
unknown	53	53	1,00	unknown	47	47	1,00	88,7%	88,7%
chrysalis				chrysalis	0	0			
caterpillar	4	4	1,00	caterpillar	2	2	1,00	50,0%	50,0%
<b>untreated</b>	<b>1821</b>	<b>3727</b>	<b>2,05</b>		<b>1306</b>	<b>1609</b>	<b>1,23</b>	<b>71,7%</b>	<b>43,2%</b>
aberrant	0	0		aberrant	0	0			
egg	118	1693	14,35	egg	27	221	8,19	22,9%	13,1%
adult	1316	1478	1,12	adult	961	1021	1,06	73,0%	69,1%
unknown	293	297	1,01	unknown	274	277	1,01	93,5%	93,3%
chrysalis	34	73	2,15	chrysalis	16	31	1,94	47,1%	42,5%
caterpillar	60	186	3,1	caterpillar	28	59	2,11	46,7%	31,7%