

# **Autopsy Report**

## **Seabirds killed and returned from the 2009-10 fishing year**

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**Contract INT2007/02**



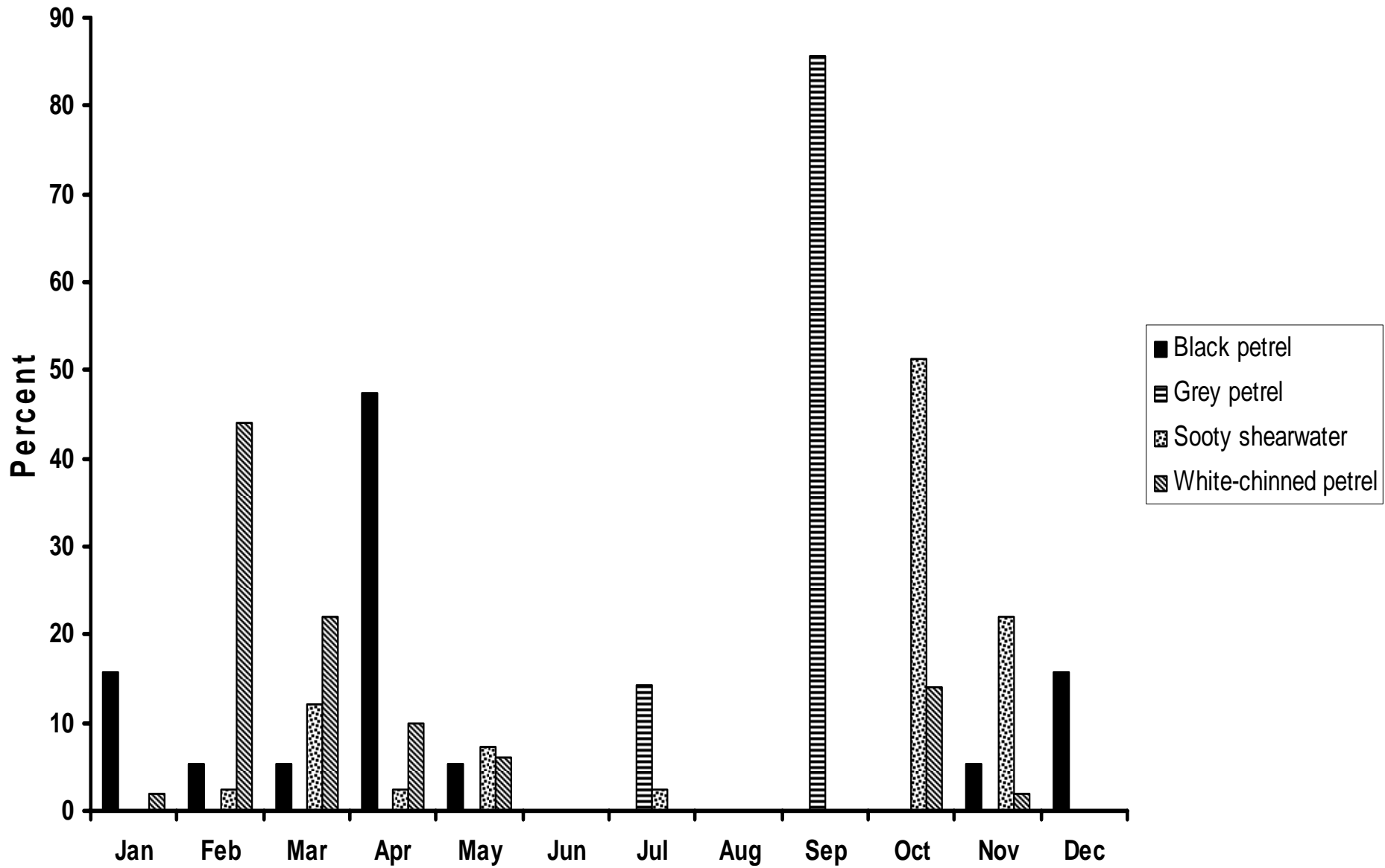
# Summary...

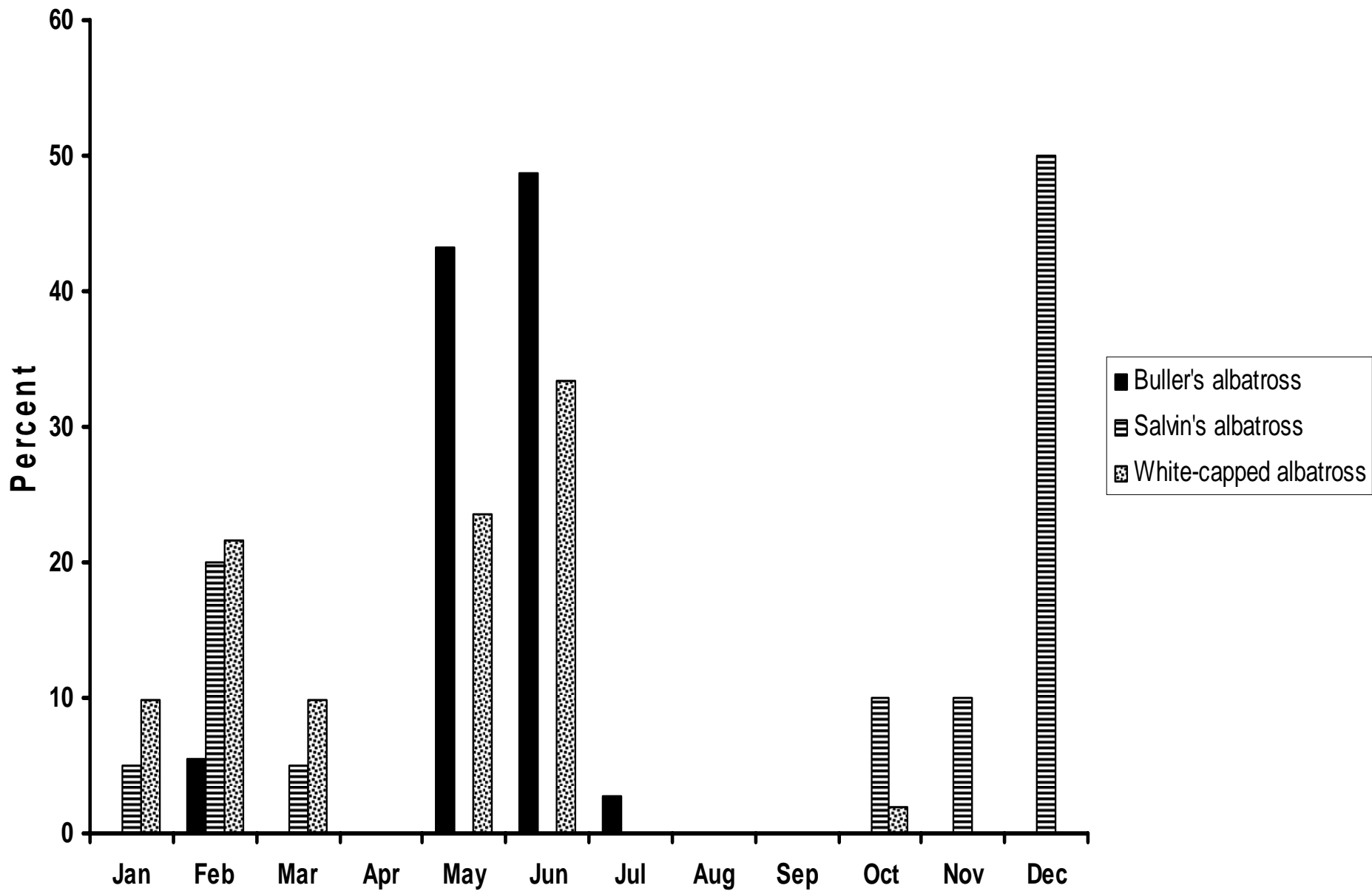
- **281 specimens returned (280, 25 taxa)**
- **1 skate skull**
- **70 trips, 50 vessels**
- **64% of specimens XWM, XWC, XSH & XBM**
- **74% of specimens 6 spp. (XGP & XSA)**
- **19 black petrel**
- **1 Fiordland crested penguin, 2 Stewart Island shags**

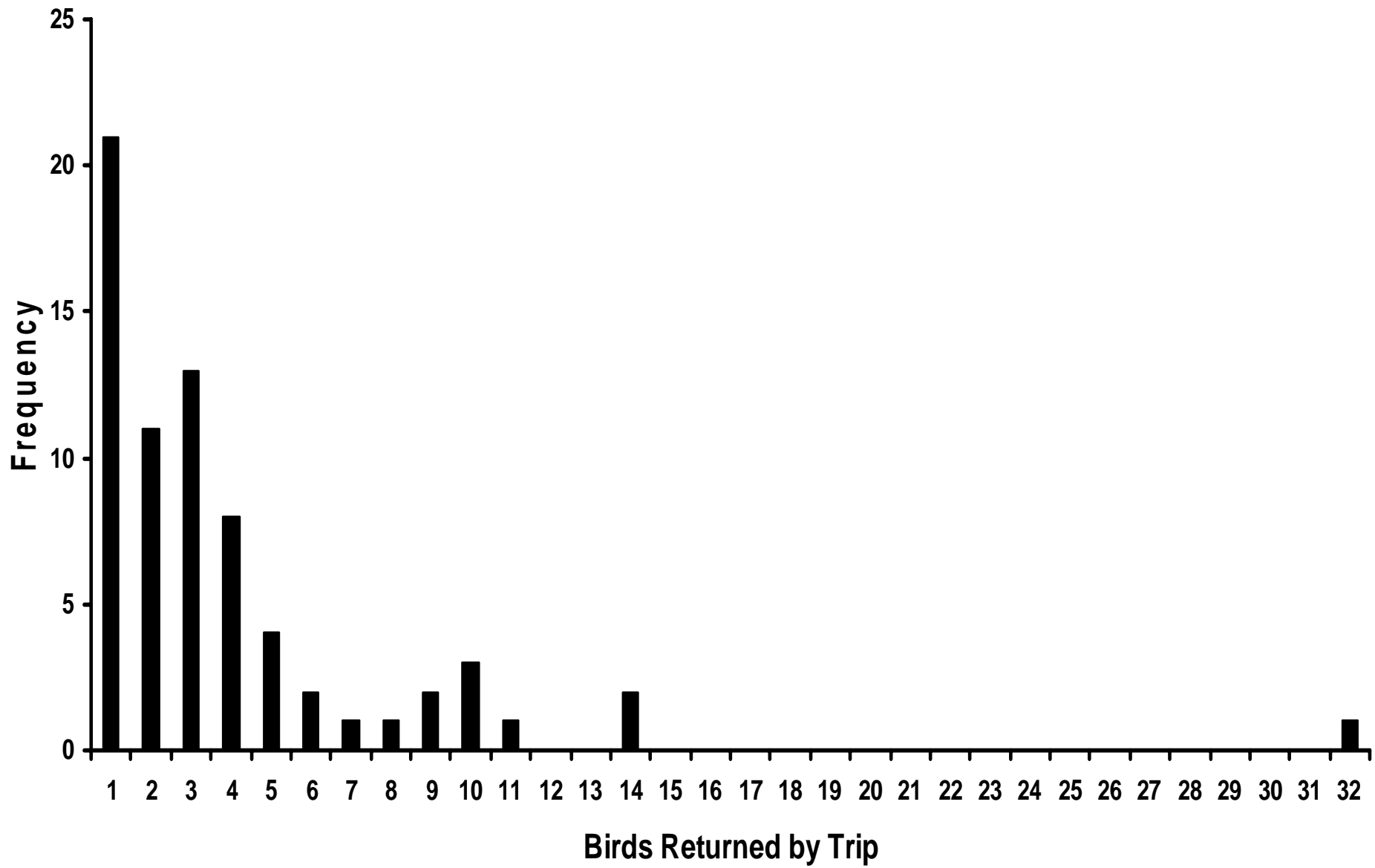


# **Birds returned...**

- **60% male, 37% female**
- **95% XSH & 72% XWC male**
- **57% XBM female**
- **96% adult**







<b>Species</b>	<b>C tuna</b>	<b>D tuna</b>	<b>Snap</b>	<b>Other</b>	<b>Hoki</b>	<b>Squid</b>	<b>Scampi</b>	<b>Other</b>	<b>Set net</b>
<b>Black petrel</b>		<b>5</b>	<b>13</b>	<b>1</b>					
<b>Buller's albatross</b>	<b>11</b>	<b>20</b>			<b>2</b>			<b>4</b>	
<b>Fiordland penguin</b>									<b>1</b>
<b>Grey petrel</b>		<b>1</b>						<b>6</b>	
<b>Salvin's albatross</b>		<b>1</b>			<b>4</b>			<b>15</b>	
<b>Sooty shearwater</b>			<b>1</b>	<b>6</b>	<b>21</b>	<b>6</b>		<b>6</b>	<b>1</b>
<b>Stewart Island shag</b>									<b>2</b>
<b>White-capped albatross</b>	<b>9</b>	<b>15</b>			<b>6</b>	<b>11</b>	<b>3</b>	<b>7</b>	
<b>White-chinned petrel</b>	<b>2</b>	<b>1</b>		<b>1</b>	<b>6</b>	<b>31</b>		<b>9</b>	
<b>Yellow-eyed penguin</b>									<b>1</b>
<b>% Total</b>	<b>8</b>	<b>22</b>	<b>8</b>	<b>3</b>	<b>16</b>	<b>17</b>	<b>2</b>	<b>20</b>	<b>3</b>



# Likely cause of death (%)

Species Group	Longline – Hook/Snood					Trawl			
	Bill	Wings	Legs	Body	N/O	Warp	Net	Set N	Deck
<b>Total</b>	<b>54</b>	<b>15</b>	<b>0</b>	<b>3</b>	<b>28</b>	<b>22</b>	<b>78</b>		
<b>Albatross</b>	<b>87</b>	<b>29</b>		<b>0</b>	<b>41</b>	<b>100</b>	<b>22</b>	<b>0</b>	<b>0</b>
<b>Non-Albatross</b>	<b>13</b>	<b>71</b>		<b>100</b>	<b>59</b>	<b>0</b>	<b>78</b>	<b>100</b>	<b>100</b>

**XWM: 14 warp, 13 net**

# Stomach contents, albatrosses (%)

Stomach Contents	C. Tuna	D. Tuna	Snapper	Other	Hoki	Squid	Scampi	Other
No stomach	5	13				18		3
Empty	65	73			50	27	100	19
Natural?		4						19
Sludge								
Bait	20	8						
Bait + Natural								
Discards	10	2			50	55		59
Discards + Natural						2		
No. Birds	20	52	0	0	14	11	27	39

# Stomach contents, non-albatrosses (%)

Stomach Contents	C. Tuna	D. Tuna	Snapper	Other	Hoki	Squid	Scampi	Other
No stomach		10				3		7
Empty		30	33	44	50	54		48
Natural?		40	15	44	9	5	100	15
Sludge			15		3	3		
Bait	100	10	33					
Bait + Natural				12				
Discards		10	4		35	35		30
Discards + Natural					3			
No. Birds	3	10	21	9	32	37	2	27

# Identifications...

- **59% correct**
- **24% incorrect (one obs 32 XKM)**
- **9% as 'generic' grouping, inc >20% XWC**
- **4% no ID**