



Richard Wells
Deepwater Group

Vessel Operators' Meet
5 March 2019

Sea Lions 2019

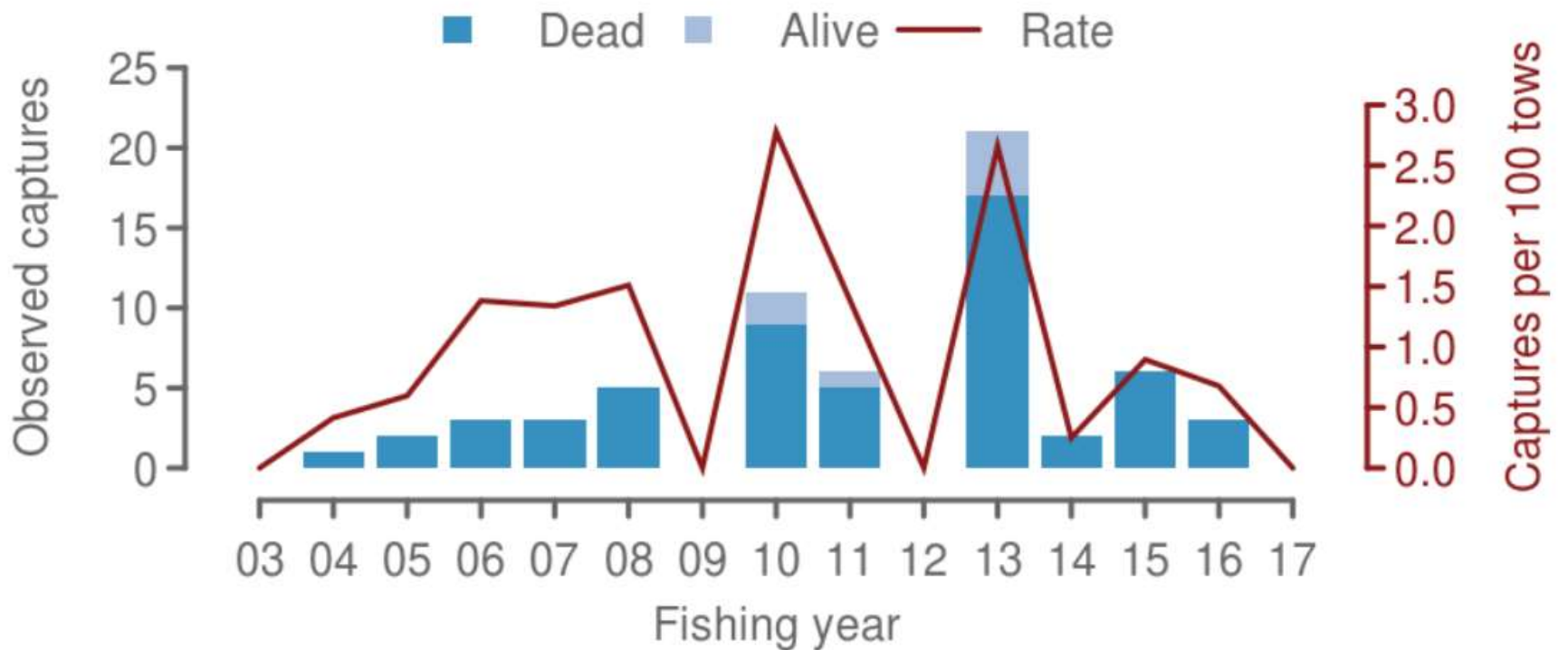
- 5 captures SQU6T untoward, unexpected and very unhelpful
- Pup count at AKLD is again OK tho down a bit on last year
- Four Campbells counts 2009-2019 = 681 – 696 – 734 – 704
- 53% pup morts Campbells (weather) 4% Aucklands
- Ongoing engagement with TMP process

2018 SBW Season

- 10 vessels
- Full obs coverage
- 2 sea lions caught
- Fleet performance to requirements good (SLEDS, reports, pics etc)

Captures of New Zealand sea lion in southern blue whiting trawl

Observed captures

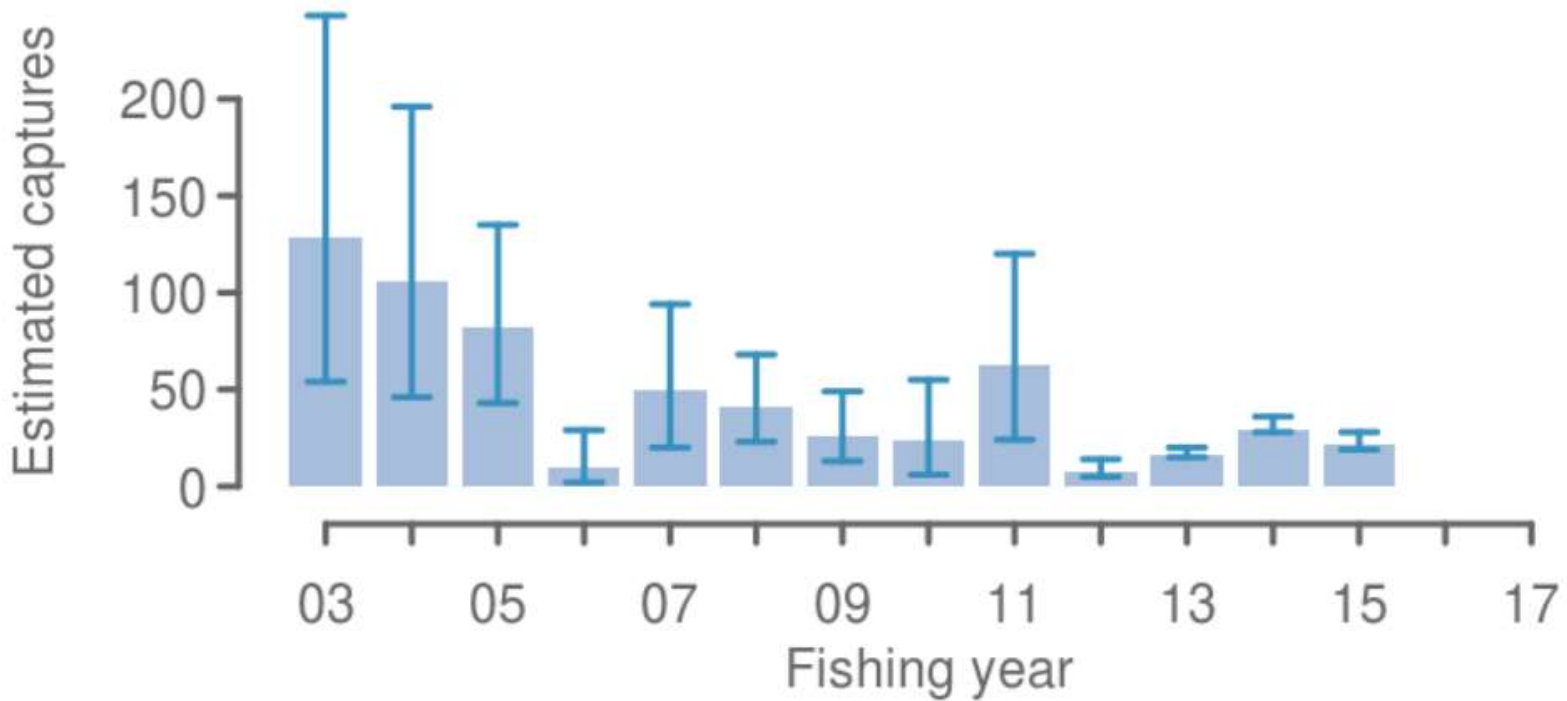


JMA fishery

- HUGE improvement in common dolphin mitigation – one capture over last 3 years fully observed
- Recognise DDDs work, need care and replace every 2 years to keep batteries working well
- Stay focussed on MM O Procedures

Captures of common dolphin in jack mackerel trawl fisheries

Estimated captures



The Birds!!!

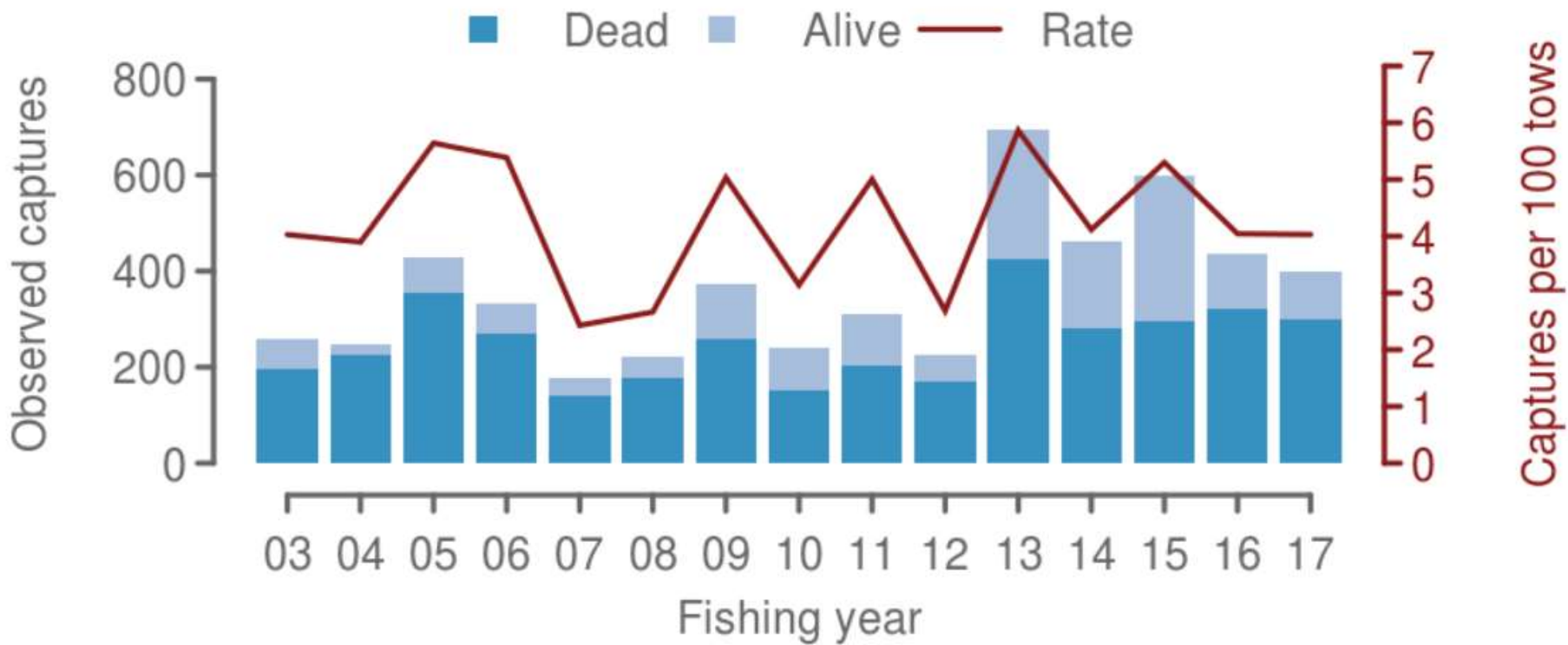


Seabirds and Trawlers

- Net captures remain the problem – appreciate feedback from vessels
- We are following up on any warp events of 2 birds or more
- Chat Rise in spring now main issue esp SWA target (discharge issues)
- Look – Think – Respond (vessel responsibility in real time)
- All vessel types have proven capable of very good performance but **all** have proven they can and do lapse

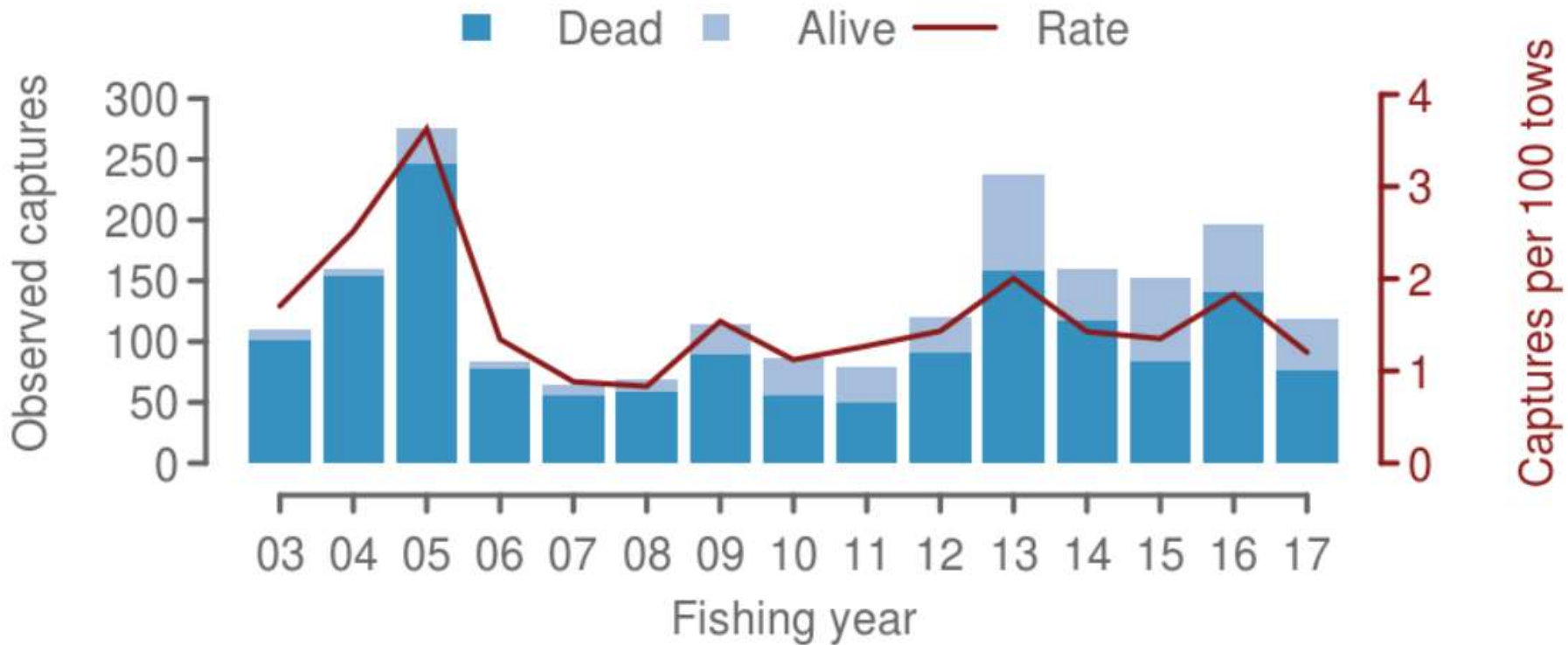
Captures of all birds by large vessels in trawl fisheries

Observed captures



Captures of all albatrosses by large vessels in trawl fisheries

Observed captures



Bottom Longline - LING

- Still poorly observed
- Still some significant incidents of captures
- All significant effort LIN 2-7 now have DWG OP and etc
- Need major players (ACE and LFRs) to also lean on vessel owners to keep up performance and attention
- MPI investigating incidents and breaches – taking hard line
- JC on call

Table 4: Observed seabird captures for the 2017/18 fishing year from deepwater fisheries (trawl vessels greater than 28 m targeting Tier 1 or Tier 2 species, trawl vessels less than 28 m targeting hoki or scampi and BLL vessels targeting ling) excluding deck strikes, impacts against the vessel and records where seabirds 'ride the cod end' up the stern ramp and are released alive. All records indicate the observers recorded species. Life status category 'Other' includes decomposing birds and records where the observer was unable to determine life status.

Species	Alive	Dead	Other	Total
Albatross (unidentified)	6	5	-	11
Southern Buller's albatross	15	12	-	27
Chatham Island albatross	-	2	-	2
Campbell albatross	-	2	-	2
Crested penguin	-	-	1	1
Diving petrel	-	1	-	1
Fairy prion	-	1	-	1
Flesh-footed shearwater	1	-	-	1
Black-bellied storm petrel	-	1	-	1
Great albatross	2	1	-	3
Grey petrel	1	6	-	7
Smaller albatross	1	-	2	3
Buller's & Pacific albatross	4	10	-	14
Procellaria petrel	2	5	-	7
Petrel (unidentified)	2	-	-	2
Mid-sized petrels & shearwaters	1	1	-	2
Prion (unidentified)	-	1	-	1
Spotted shag	2	-	-	2
Petrodroma petrels	1	-	-	1
Salvin's albatross	16	19	-	35
Sooty shearwater	9	39	-	48
Storm petrel	1	3	-	4
Shearwaters	1	5	-	6
Shy albatross	1	-	-	1
Wandering albatross (unidentified)	3	-	-	3
White-chinned petrel	56	158	1	215
White-capped albatross	34	58	1	93
Westland petrel	2	4	-	6
Petrels, prions & shearwaters	5	-	-	5
Total	182	412	7	601

Priority birds etc

- White chins – net – SQU6T (most numerous 60% of all captures)
- Salvin's – CRise – 2nd highest risk bird – warp
- Whitecaps and Bullers – SQU6T
Snarers/Aucklands – net
- Sooties – used to be number 1, now number 3-4

Table 5: Capture method for all observed seabird captures from deepwater trawl vessels during the 2017/18 fishing year (excluding deck strikes, impacts against the vessel and seabirds ‘riding the cod end’ up the stern ramp and being released alive). ‘Net captures’ includes birds caught in the SLED hood and lengthener mesh; ‘Tangled’ includes those caught in tori lines or paravanes and ‘Unknown’ includes all records where the observers was unable to determine how the capture occurred. Large seabirds includes all albatross and giant petrels; small seabirds includes petrels, shearwaters, penguins, prions and shags

Type	Net capture			Warp capture		Tangled		Unknown
	Alive	Dead	Other	Alive	Dead	Alive	Dead	Dead
Large seabird	71	73	3	0	29	11	2	3
Small seabird	89	196	2	1	4	0	0	4

Table 6: Number of observed seabird captures by fishery for the 2017/18 fishing year

Fishery	Number of seabird captures	% observer coverage
SBW	6	100%
SQU	259	95%
JMA	8	86%
SCI	20	12%
Deepwater	5	22%
Middle-depth (> 28 m)	181	41%
Large LIN BLL (> 34 m)	22	36%
Small LIN BLL (< 34 m)	1	8%

Table 8: Observed marine mammal captures by fishery for the 2017/18 fishing year

Fishery	% observed	New Zealand fur seal			New Zealand sea lion			Common dolphin		Orca		Pilot whale	
		Alive	Dead	Decomp	Alive	Dead	Decomp	Alive	Dead	Alive	Dead	Alive	Dead
CR middle depth	33%	-	4	-	-	-	-	-	-	-	1	-	-
Sub middle depth	63%	1	-	-	-	1	-	-	-	-	-	-	1
West coast hoki	59%	1	10	1	-	-	-	-	-	-	-	-	-
'Inside the line' hoki	17%	-	11	-	-	-	-	-	-	-	-	-	-
'Cook Strait' hoki	10%	7	10	-	-	-	-	-	-	-	-	-	-
SQU 1T	99%	-	11	-	-	1	-	-	-	-	-	-	-
SQU 6T	86%	-	3	-	-	2	-	-	-	-	-	-	-
SBW 6B	100%	1	14	-	-	-	-	-	-	-	-	-	-
SBW 6I	100%	-	2	-	-	2	-	-	-	-	-	-	-
JMA 7	86%	-	2	-	-	-	-	-	1	-	-	-	-
SCI 6A	16%	-	-	-	1	-	2	-	-	-	-	-	-
Total		10	67	1	1	6	1	-	1	-	1	-	1

NFPS Activity	Last Week 20-26 February 2019	Total 1 October 2018 to 26 February 2019
Vessels Reporting	18	34
Seabirds Total	47 (13 released alive)	266 (66 released alive)
Marine mammal captures dead	1 New Zealand fur seal	6 New Zealand sea lions 8 New Zealand fur seals 1 Baleen Whale ¹
Marine mammal captures released alive	2 New Zealand fur seals	4 New Zealand fur seals
Protected Sharks dead	0	3 Basking Sharks
Protected Sharks released alive	0	3 Basking Sharks 2 White Pointer Sharks
Black corals	0	2.7kgs
COU - Coral (Unidentified)	0	2,617kgs
COZ - Bryozoan	0	2kgs
CSB - Corals, Sponges and Bryozoans	0	25,000kgs
Sponges	214	58,587 kgs
Benthic Species Total	214kgs	86,209 kgs (32% coral & bryozoans)

Basking sharks

Month	Fishery	Area	Details
Jan 18	SQU	6T	1 (injured)
Dec 18	HAK/HOK	Auckland Islands	1 (injured), 1 (dead)
Jan 19	SQU	6T	1 (uninjured)
Feb 19	SQU	6T	1 (uninjured)
Feb 19	SQU	1T	2 (dead)

White pointer

Month	Fishery	Area	Details
Dec 17	JMA	WCNI	1 (dead)
Feb 18	SQU	1T	1 (uninjured)
Mar 18	SQU	6T	1 (uninjured), 1 (injured)
Apr 18	SQU	6T	1 (uninjured)
Jan 19	Rectangula	SQU	1 (injured)
Jan 19	SQU	1T	1 (uninjured)

Room for improvements

- Net captures net captures net captures – feedback and ideas
- Look – Think – Act conditions leading to major preventable events
- Continued attention in LIN BLL – still risk there