

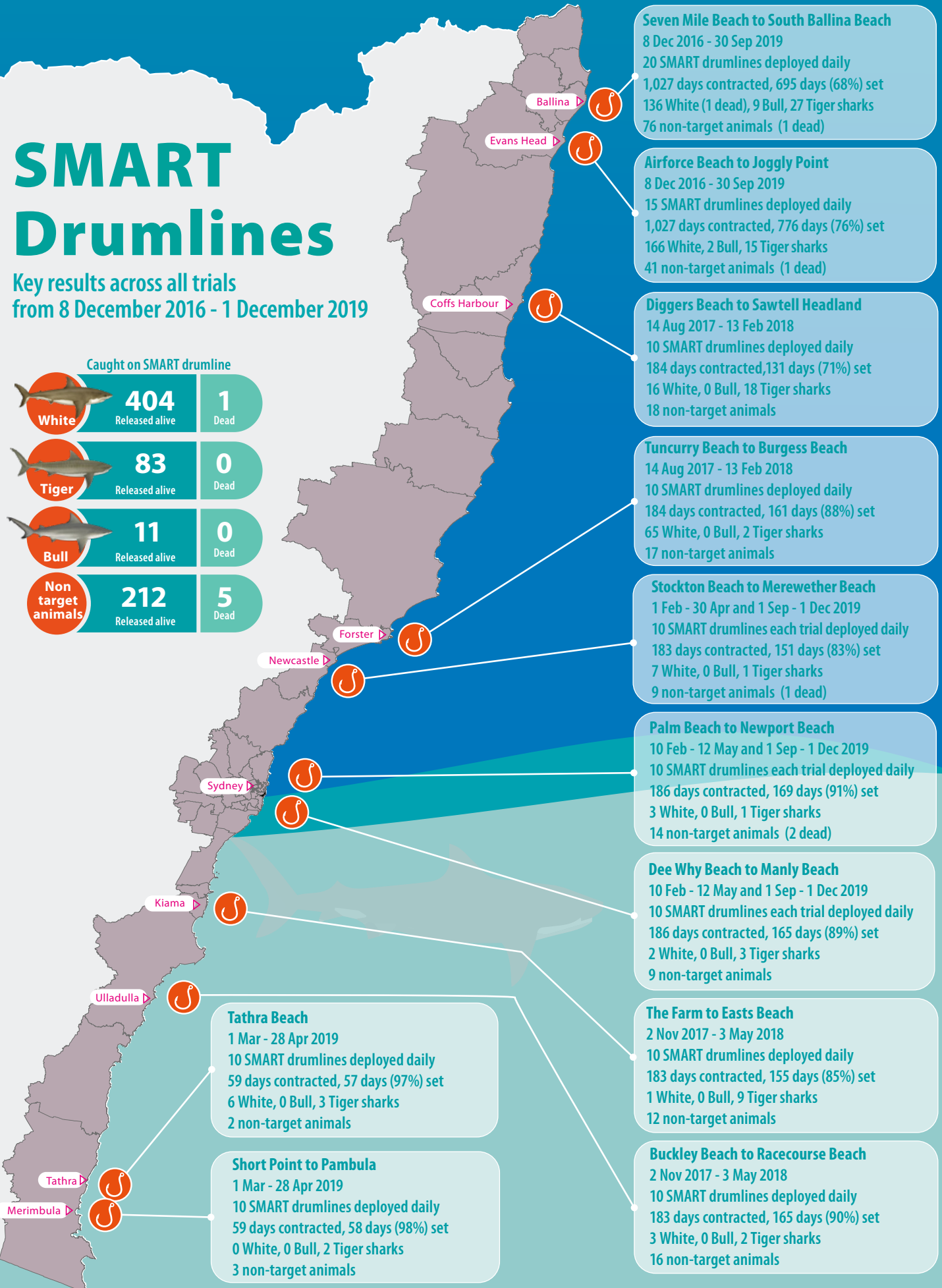
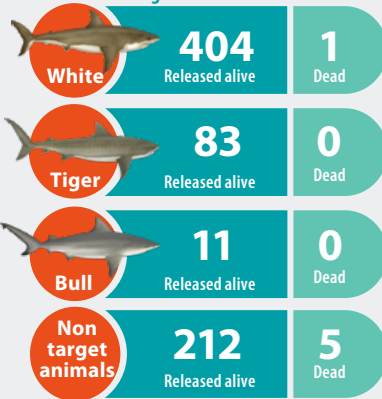


Series of results - a snapshot of NSW shark mitigation

# SMART Drumlines

Key results across all trials  
from 8 December 2016 - 1 December 2019

Caught on SMART drumline



## Seven Mile Beach to South Ballina Beach

8 Dec 2016 - 30 Sep 2019  
20 SMART drumlines deployed daily  
1,027 days contracted, 695 days (68%) set  
136 White (1 dead), 9 Bull, 27 Tiger sharks  
76 non-target animals (1 dead)

## Airforce Beach to Joggly Point

8 Dec 2016 - 30 Sep 2019  
15 SMART drumlines deployed daily  
1,027 days contracted, 776 days (76%) set  
166 White, 2 Bull, 15 Tiger sharks  
41 non-target animals (1 dead)

## Diggers Beach to Sawtell Headland

14 Aug 2017 - 13 Feb 2018  
10 SMART drumlines deployed daily  
184 days contracted, 131 days (71%) set  
16 White, 0 Bull, 18 Tiger sharks  
18 non-target animals

## Tuncurry Beach to Burgess Beach

14 Aug 2017 - 13 Feb 2018  
10 SMART drumlines deployed daily  
184 days contracted, 161 days (88%) set  
65 White, 0 Bull, 2 Tiger sharks  
17 non-target animals

## Stockton Beach to Merewether Beach

1 Feb - 30 Apr and 1 Sep - 1 Dec 2019  
10 SMART drumlines each trial deployed daily  
183 days contracted, 151 days (83%) set  
7 White, 0 Bull, 1 Tiger sharks  
9 non-target animals (1 dead)

## Palm Beach to Newport Beach

10 Feb - 12 May and 1 Sep - 1 Dec 2019  
10 SMART drumlines each trial deployed daily  
186 days contracted, 169 days (91%) set  
3 White, 0 Bull, 1 Tiger sharks  
14 non-target animals (2 dead)

## Dee Why Beach to Manly Beach

10 Feb - 12 May and 1 Sep - 1 Dec 2019  
10 SMART drumlines each trial deployed daily  
186 days contracted, 165 days (89%) set  
2 White, 0 Bull, 3 Tiger sharks  
9 non-target animals

## The Farm to Easts Beach

2 Nov 2017 - 3 May 2018  
10 SMART drumlines deployed daily  
183 days contracted, 155 days (85%) set  
1 White, 0 Bull, 9 Tiger sharks  
12 non-target animals

## Buckley Beach to Racecourse Beach

2 Nov 2017 - 3 May 2018  
10 SMART drumlines deployed daily  
183 days contracted, 165 days (90%) set  
3 White, 0 Bull, 2 Tiger sharks  
16 non-target animals

## Tathra Beach

1 Mar - 28 Apr 2019  
10 SMART drumlines deployed daily  
59 days contracted, 57 days (97%) set  
6 White, 0 Bull, 3 Tiger sharks  
2 non-target animals

## Short Point to Pambula

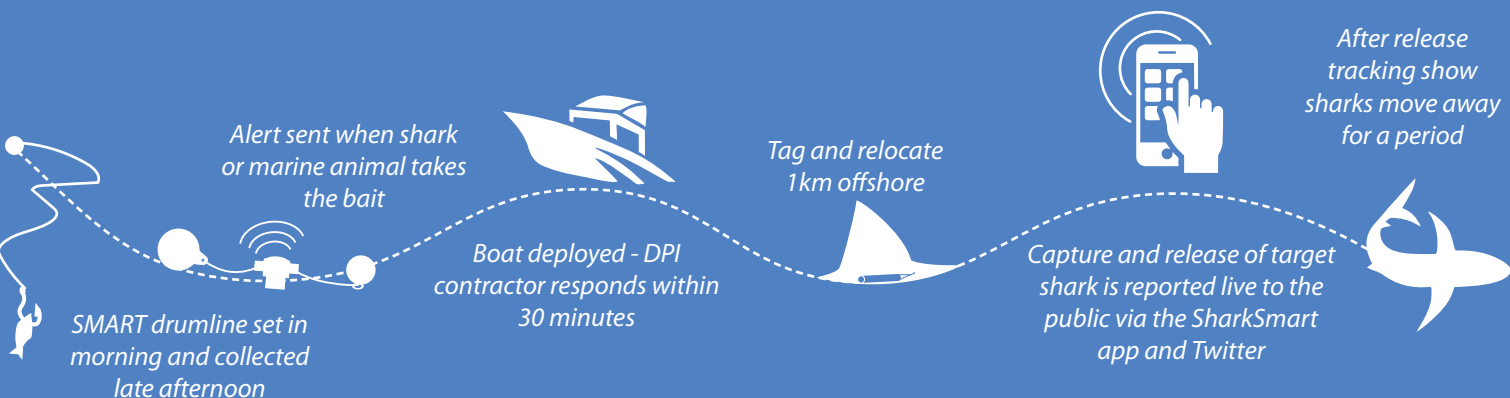
1 Mar - 28 Apr 2019  
10 SMART drumlines deployed daily  
59 days contracted, 58 days (98%) set  
0 White, 0 Bull, 2 Tiger sharks  
3 non-target animals

## BENEFITS

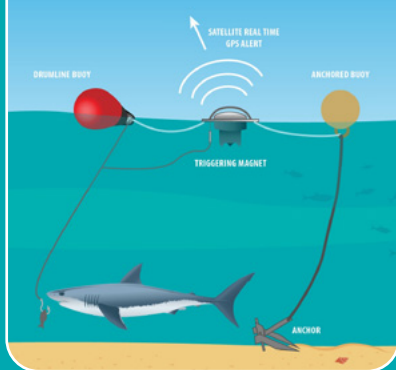
- Removes immediate risk to water users and sharks move offshore for a period of time
- Less harm to sharks and other marine life compared to nets
- Designed to avoid entanglement with whales
- Can be set across multiple beaches and large distances
- Sharks are tagged and movements monitored

## CONSIDERATIONS

- Comparatively more expensive and labour intensive
- Requires boat access less than 13km away from the furthest SMART drumline
- Relies on fair weather
- Difficulty in accessing ocean eg. river mouths can restrict fishing days



### How a SMART drumline works



### A SMART drumline unit in the water at Sydney



## WHAT THE COMMUNITY THINKS

- Better than shark nets because they catch more target sharks, release and relocate sharks and have less bycatch
- SMART drumlines are valued for tagging sharks and contributing to research, as well as the effectiveness of listening stations
- Concerns that SMART drumline bait attracts sharks and should not be located near swimmers
- Concerns about the welfare of sharks during catch, tag and release process