

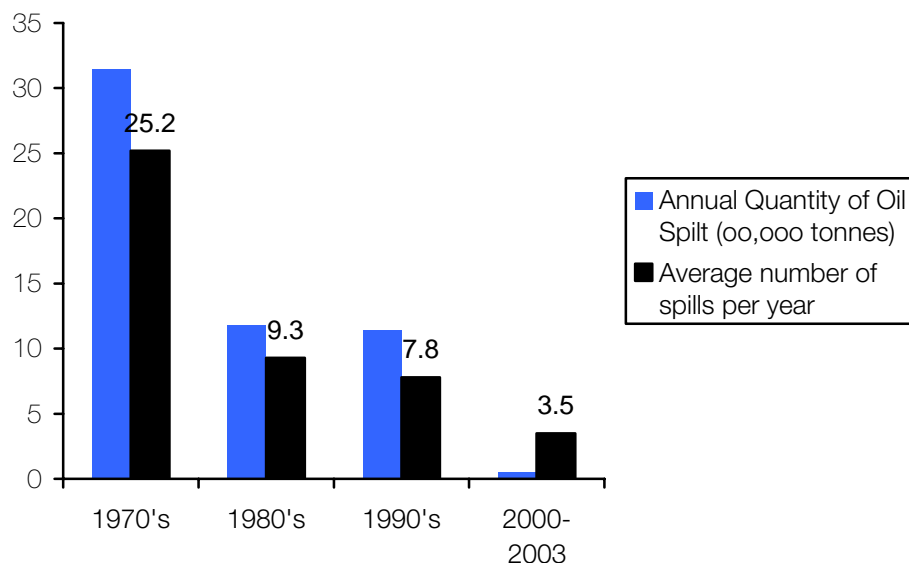
FACT SHEET

FACTS & STATS

The following are a series of facts and statistics designed to illustrate the context around oil spills in New Zealand and around the world:

INTERNATIONAL

- 99.994% of the world's oil is delivered safely.
Source: American Bureau of Shipping
- International figures for large oil spills (over 700 tonnes) show a significant decrease from an average of 24 per year in the 1970's, to about 9 per year in the 1980's, and 4 per year since the beginning of 2000.

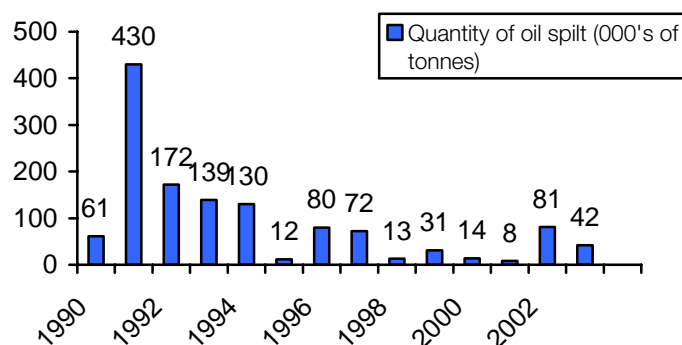


- The shipping industry is responsible for transporting 90% of the world's trade - tankers carry close to 40% of the world's seaborne trade.
- The 40,000 ships that comprise the international trading fleet generate an estimated annual income of over US \$200 billion in freight rates within the global economy.
- In 2001 57% of all the oil consumed in the world was transported by sea - approx 2,000 million tonnes.
- Crude oil accounts for over one third of all goods transported around the world by sea, with other oil products accounting for almost 10% more.

Source: International Chamber of Shipping

- A few large spills are responsible for a high percentage of oil spilt. In this time period there were 358 spills over 7 tonnes but 73% of the oil spilt occurred in just 10 incidents.

Annual quantity of oil spilled internationally 1990-2003



Source: ITOFF

Top 10 international oil spills since 1967

Position	Ship name	Year	Location	Amount of oil spilt (tonnes)
1	<i>Atlantic Empress</i>	1979	Off Tobago, West Indies	287,000
2	<i>ABT Summer</i>	1991	Off Angola	260,000
3	<i>Castillo de Bellver</i>	1983	Off South Africa	252,000
4	<i>Amoco Cadiz</i>	1978	Off Brittany, France	223,000
5	<i>Haven</i>	1991	Genoa, Italy	144,000
6	<i>Odyssey</i>	1988	Off Nova Scotia, Canada	132,000
7	<i>Torrey Canyon</i>	1967	Scilly Isles, UK	119,000
8	<i>Sea Star</i>	1972	Gulf of Oman	115,000
9	<i>Irenes Serenade</i>	1980	Navarino Bay, Greece	100,000
10	<i>Urquiola</i>	1976	La Coruna, Spain	100,000

Note: This list details spills from vessels but the largest release of oil ever occurred during the 1991 Persian Gulf War when about 240 million gallons spilled from oil terminals and tankers off the coast of Saudi Arabia.

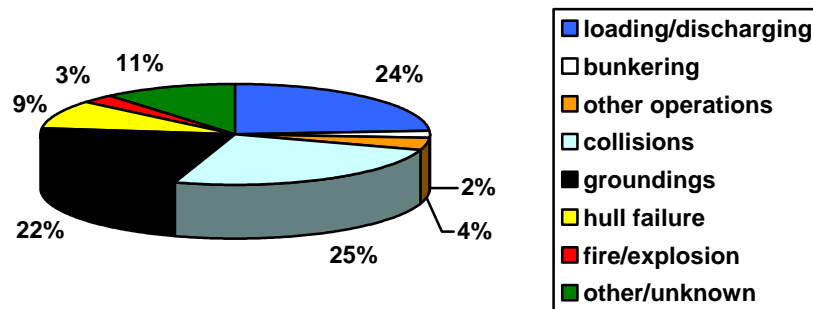
Also 140 million gallons of oil spilled into The Bay of Campeche in Mexico when the IXTOC I exploratory well blew in 1979.

Other notable oil spills

Ship name	Year	Location	Approx. amount of oil split (tonnes)
<i>Braer</i>	1993	Shetland Islands, UK	85,000
<i>Prestige</i>	2002	Off Spanish coast	63,000
<i>Aegean Sea</i>	1992	La Coruna, Spain	74,000
<i>Sea Empress</i>	1996	Milford Haven, UK	72,000
<i>Exxon Valdez</i>	1989	Prince William Sound, Alaska, USA	37,000
<i>Tasman Spirit</i>	2003	Karachi, Pakistan	30,000
<i>Kirki</i>	1991	Off Western Australian coast	17,280
<i>Treasure</i>	2000	Off Capetown, South Africa	1,300
<i>Dong Won 529</i>	1998	Off Stewart Island, New Zealand	300
<i>Laura D'Amato</i>	1999	Sydney, Australia	250
<i>Jody.F.Millennium</i>	2002	Gisborne, New Zealand	25

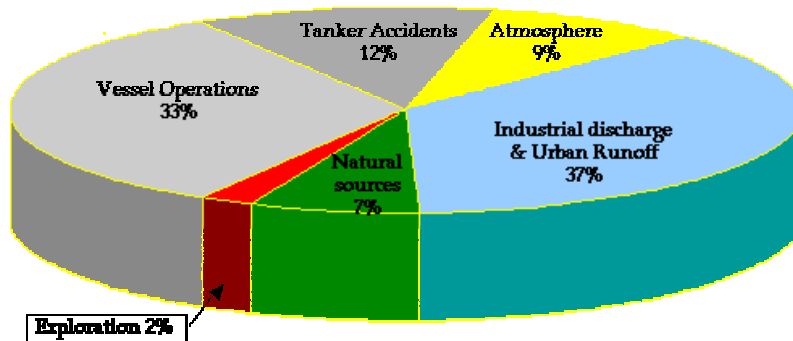
Source: ITOPF

Causes of international oil spills 7 tonnes and over 1974-2003



Source: ITOPF

Spills are not the only way oil is released into the marine environment:



Source: AMSA

Wildlife

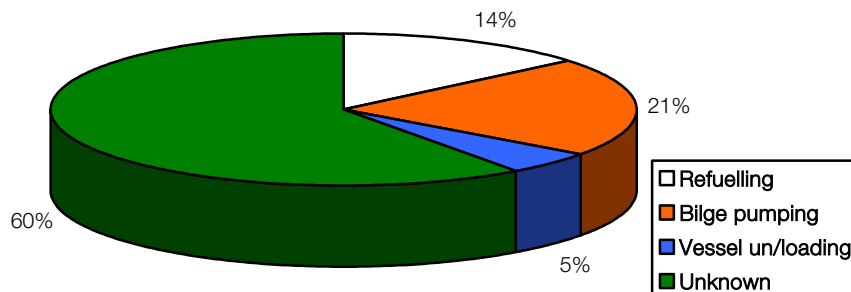
The effects of a large spill on wildlife (especially birds) can vary hugely as these stats show:

- In the *Erika* (1999) spill 63,500 birds were treated but only 1945 survived and were released.
- In the *Treasure* (2000) spill 20,251 birds were treated and 18,200 survived and were released.

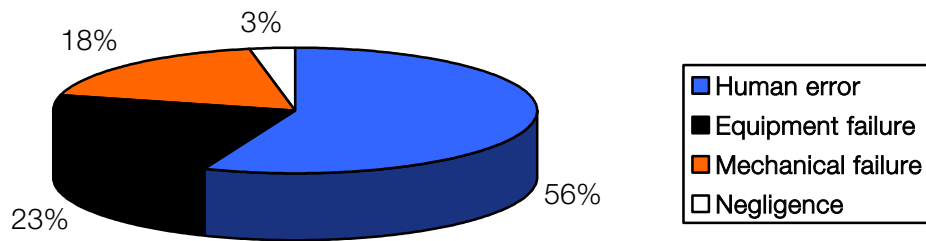
New Zealand

- New Zealand can expect a marine oil spill of at least 3,500 tonnes every 100 years.
- Between July 1998 and April 2004, 778 oil spills were reported to Maritime NZ.
- Between July 2004 and June 2005, 84 oil spills were reported to Maritime NZ.

Activity during spills - July 04 to June 05



Causes of spills July 04 to June 05



- Since 1998 the volumes of imported fuel into New Zealand have increased by around 35 percent.
- In 2002/03 a total of 13 million tonnes of crude oil, condensates and petroleum products were transferred to and from tankers at New Zealand ports - creating around 600 cargo transfers.
- In 2002/03 590,000 tonnes of bunker fuels and lube oils were loaded in over 3,000 bunkering operations at New Zealand's main ports.
- New Zealand receives around 3,300 visits from international trading ships each year.
- Around 80 percent of the foreign tanker visits to New Zealand are now by double hull, double sided or double-bottom tankers.
- The last four major accidents in New Zealand, involving significant spills were:

Ship name	Year	Location	Approx. amount of oil spilt (tonnes)
<i>Dong Won 529</i>	1998	Stewart Island	400
<i>Sea Fresh</i>	2000	Chatham Islands	60
<i>Jody F Millennium</i>	2002	Gisborne	25
<i>San Domenico</i>	2003	Wellington	27

(There was also a Tier 3 response declared for the *Tai Ping* in Bluff in 2002 but no oil was spilled.)