



***Oil spills***

# **1. Torrey Cannon** (13,500 tonnes of cargo oil spilled).



A supertanker capable of carrying a cargo of 120,000 tons of crude oil, which was shipwrecked off the western coast of Cornwall, England in March 1967 causing an environmental disaster.

Image courtesy of ITOPF (<http://www.itopf.com/>)

<http://www.itopf.com/information-services/data-and-statistics/case-histories/tlist.html>

# 1. Torrey Cannon (related links)

[http://en.wikipedia.org/wiki/Torrey\\_Canyon](http://en.wikipedia.org/wiki/Torrey_Canyon)

<http://www.axfordsabode.org.uk/torreycn.htm>

<http://www.itopf.com/information-services/data-and-statistics/case-histories/tlist.html>

<http://www.cedre.fr/en/spill/torrey/torrey.php>

## Videos

<http://www.youtube.com/watch?v=IV-EhBesVjg>

<http://www.newsplayer.com/tanker-torrey-canyon-disaster-video>

## 2. **Amoco Cadiz** (121,000 tonnes of cargo oil spilled).

The AMOCO CADIZ ran aground off the coast of Brittany, France on March 16, 1978, spilling 68.7 million gallons of oil. It currently is #6 on the list of the largest oil spills of all time.



Image: [http://en.wikipedia.org/wiki/File:Amoco\\_Cadiz\\_1\\_edit1.jpg](http://en.wikipedia.org/wiki/File:Amoco_Cadiz_1_edit1.jpg)

## 2. Amoco Cadiz (related links)

[http://en.wikipedia.org/wiki/Amoco\\_Cadiz](http://en.wikipedia.org/wiki/Amoco_Cadiz)

<http://www.cedre.fr/en/spill/amoco/amoco.php>

Video

<http://www.youtube.com/watch?v=UXM6D5LxdUw>



**3. Argo Merchant** (28,000 tonnes of cargo oil spilled). The ARGO MERCHANT ran aground on Fishing Rip (Nantucket Shoals), 29 nautical miles southeast of Nantucket Island, Massachusetts in high winds and ten foot seas. On December 21, the ARGO MERCHANT broke apart and spilled its entire cargo of 7.7 million gallons of No. 6 fuel oil.



Image [http://en.wikipedia.org/wiki/File:Argo\\_Merchant\\_run\\_aground.jpg](http://en.wikipedia.org/wiki/File:Argo_Merchant_run_aground.jpg)

### 3. Argo Merchant (related links)

[http://en.wikipedia.org/wiki/Argo\\_Merchant](http://en.wikipedia.org/wiki/Argo_Merchant)

<http://www.incidentnews.gov/incident/6231>

<http://www.itopf.com/information-services/data-and-statistics/case-histories/alist.html>

<http://www.archive.org/stream/argomerchanttoils00gros#page/n1/mode/2up>

## 4. Bouchard B155

On August 10, 1993, three ships collided in Tampa Bay, Florida: the BOUCHARD B155 barge, the freighter BALSA 37, and the barge OCEAN 255. The BOUCHARD B155 spilled an estimated 336,000 gallons of No. 6 fuel oil into Tampa Bay. Below is a photo of the OCEAN 255 barge after the collision.





## 5. Burmah Agate

On November 1, 1979, the BURMAH AGATE collided with the freighter MIMOSA southeast of Galveston Entrance in the Gulf of Mexico. An estimated 2.6 million gallons of oil was released into the environment; another 7.8 million gallons was consumed by the fire onboard. This spill is currently #55 on the all-time list of largest oil spills.



## 6. Cibro Savannah

The CIBRO SAVANNAH exploded and caught fire while departing the pier at the CITGO facility in Linden, New Jersey, on March 6, 1990. About 127,000 gallons of oil remained unaccounted for after the incident: no one knows how much oil burned and how much spilled into the environment.



## 7. Exxon Valdez (38,500 tonnes of cargo oil spilled)

The EXXON VALDEZ ran aground on Bligh Reef in Prince William Sound, Alaska on March 24, 1989, spilling 10.8 million gallons of oil into the marine environment. It is currently #53 on the all-time list of largest oil spills.



## 7. Exxon Valdez (related links)

Image (Exxon Valdez boomed) taken from:

[http://response.restoration.noaa.gov/gallery\\_gallery\\_photo.php?RECORD\\_KEY%28j\\_gallery\\_photos%29=joinphotogal\\_id,gallery\\_id,photo\\_id,topic\\_id&joinphotogal\\_id\(j\\_gallery\\_photos\)=174&gallery\\_id\(j\\_gallery\\_photos\)=12&photo\\_id\(j\\_gallery\\_photos\)=109&topic\\_id\(j\\_gallery\\_photos\)=1](http://response.restoration.noaa.gov/gallery_gallery_photo.php?RECORD_KEY%28j_gallery_photos%29=joinphotogal_id,gallery_id,photo_id,topic_id&joinphotogal_id(j_gallery_photos)=174&gallery_id(j_gallery_photos)=12&photo_id(j_gallery_photos)=109&topic_id(j_gallery_photos)=1)

[http://response.restoration.noaa.gov/topic\\_subtopic\\_entry.php?RECORD\\_KEY%28entry\\_subtopic\\_topic%29=entry\\_id,subtopic\\_id,topic\\_id&entry\\_id%28entry\\_subtopic\\_topic%29=700&subtopic\\_id%28entry\\_subtopic\\_topic%29=2&topic\\_id%28entry\\_subtopic\\_topic%29=1](http://response.restoration.noaa.gov/topic_subtopic_entry.php?RECORD_KEY%28entry_subtopic_topic%29=entry_id,subtopic_id,topic_id&entry_id%28entry_subtopic_topic%29=700&subtopic_id%28entry_subtopic_topic%29=2&topic_id%28entry_subtopic_topic%29=1)

[http://en.wikipedia.org/wiki/Exxon\\_Valdez](http://en.wikipedia.org/wiki/Exxon_Valdez)

[http://www.cedre.fr/en/spill/exxon\\_va/exxon\\_valdez.php](http://www.cedre.fr/en/spill/exxon_va/exxon_valdez.php)

[http://www.eoearth.org/article/exxon\\_valdez\\_oil\\_spill](http://www.eoearth.org/article/exxon_valdez_oil_spill)

<http://www.black-tides.com/uk/tools/exxon-valdez-most-expensive-oil-spill.pdf>

<http://www.loe.org/series/exxon/links.htm>



## 8. Ixtoc I (470,000 tonnes of oil spilled)

The IXTOC I exploratory well blew out on June 3, 1979 in the Bay of Campeche off Ciudad del Carmen, Mexico. By the time the well was brought under control in 1980, an estimated 140 million gallons of oil had spilled into the bay. The IXTOC I is currently #2 on the all-time list of largest oil spills of all-time, eclipsed only by the deliberate release of oil, from many different sources, during the 1991 Gulf War.





## 8. Ixtoc I (related links)

Image taken from:

[http://upload.wikimedia.org/wikipedia/commons/a/a6/IXTOC\\_I\\_oil\\_well\\_blowout.jpg](http://upload.wikimedia.org/wikipedia/commons/a/a6/IXTOC_I_oil_well_blowout.jpg)

[http://en.wikipedia.org/wiki/Ixtoc\\_I](http://en.wikipedia.org/wiki/Ixtoc_I)

<http://www.cedre.fr/en/spill/ixtoc/ixtoc.php>

## 9. Jupiter

The JUPITER was offloading gasoline at Bay City, Michigan on September 16, 1990, when a fire started on board the vessel.



## 9. Jupiter (related links)

Image taken from:

[http://response.restoration.noaa.gov/gallery\\_gallery\\_photo.php?RECORD\\_KEY%28j\\_gallery\\_photos%29=joinphotogal\\_id,gallery\\_id,photo\\_id,topic\\_id&joinphotogal\\_id\(j\\_gallery\\_photos\)=84&gallery\\_id\(j\\_gallery\\_photos\)=3&photo\\_id\(j\\_gallery\\_photos\)=33&topic\\_id\(j\\_gallery\\_photos\)=1](http://response.restoration.noaa.gov/gallery_gallery_photo.php?RECORD_KEY%28j_gallery_photos%29=joinphotogal_id,gallery_id,photo_id,topic_id&joinphotogal_id(j_gallery_photos)=84&gallery_id(j_gallery_photos)=3&photo_id(j_gallery_photos)=33&topic_id(j_gallery_photos)=1)

## 10. Mega Borg

The MEGA BORG released 5.1 million gallons of oil as the result of a lightering accident and subsequent fire. The incident occurred 60 nautical miles south-southeast of Galveston, Texas on June 8, 1990.



## 10. Mega Borg (related links)

Image taken from:

[http://response.restoration.noaa.gov/gallery\\_gallery\\_photo.php?RECORD\\_KEY%28j\\_gallery\\_photos%29=joinphotogal\\_id,gallery\\_id,photo\\_id,topic\\_id&joinphotogal\\_id\(j\\_gallery\\_photos\)=85&gallery\\_id\(j\\_gallery\\_photos\)=3&photo\\_id\(j\\_gallery\\_photos\)=34&topic\\_id\(j\\_gallery\\_photos\)=1](http://response.restoration.noaa.gov/gallery_gallery_photo.php?RECORD_KEY%28j_gallery_photos%29=joinphotogal_id,gallery_id,photo_id,topic_id&joinphotogal_id(j_gallery_photos)=85&gallery_id(j_gallery_photos)=3&photo_id(j_gallery_photos)=34&topic_id(j_gallery_photos)=1)

<https://ceprofs.civil.tamu.edu/rhann/links/case1.asp>



## **11. Sea Empress** (73,000 tonnes of cargo oil spilled)

A single-hull oil tanker that ran aground near the southwest coast of Wales in February 1996.



Courtesy of ITOPF (<http://www.itopf.com>)

<http://www.itopf.com/information-services/data-and-statistics/case-histories/slist.html>

## 11. Sea Empress (related links)

[http://en.wikipedia.org/wiki/MV\\_Sea\\_Empress](http://en.wikipedia.org/wiki/MV_Sea_Empress)

<http://www.swansea.ac.uk/empress/empress.htm>

<http://www.glaucus.org.uk/Empress.htm>

[http://www.cedre.fr/en/spill/sea\\_emp/sea\\_empress.php](http://www.cedre.fr/en/spill/sea_emp/sea_empress.php)

[http://www.cabinetoffice.gov.uk/ukresilience/response/recovery\\_guidance/case\\_studies/b5\\_sea\\_empress.aspx](http://www.cabinetoffice.gov.uk/ukresilience/response/recovery_guidance/case_studies/b5_sea_empress.aspx)

Video

[http://www.youtube.com/watch?v=EET\\_6DLaQG8](http://www.youtube.com/watch?v=EET_6DLaQG8)

## **12. Prestige (1)** (64,000 tonnes of cargo oil spilled)

an oil tanker whose sinking in 2002 off the Galician coast (Spain) caused a large oil spill.



The Prestige sinking (Source: BSAM/Douanes françaises)

## 12. Prestige (2) (satellite photos)



## 12. Prestige (related links)

[http://en.wikipedia.org/wiki/Prestige\\_oil\\_spill](http://en.wikipedia.org/wiki/Prestige_oil_spill)

<http://www.cedre.fr/en/spill/prestige/prestige.php>

[http://www.osei.noaa.gov/Events/Unique/Other/2002/Prestige\\_Spill\\_ENVISAT\\_slide.pdf](http://www.osei.noaa.gov/Events/Unique/Other/2002/Prestige_Spill_ENVISAT_slide.pdf)

### Animations

<http://www.guardian.co.uk/flash/0,5860,843370,00.html>

[http://www.mohid.com/Prestige/Simulations\\_Gallery.htm](http://www.mohid.com/Prestige/Simulations_Gallery.htm)



# Selected links related to Oil Spills

<http://www.cedre.fr/en/spill/alphabetical-classification.php>

[http://en.wikipedia.org/wiki/List\\_of\\_oil\\_spills](http://en.wikipedia.org/wiki/List_of_oil_spills)

<http://www.itopf.com/spill-compensation/useful-links/>

<http://photos.orr.noaa.gov/>

[http://photos.orr.noaa.gov/gallery\\_4/incidents.htm](http://photos.orr.noaa.gov/gallery_4/incidents.htm)

<http://www.moe.gov.lb/Documents/bd4900ff44294b9da0fbdc29539dc84FromMinocasehistoriesoilspill.pdf>

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Title	Oil spills
Classification	Chemistry
Keywords	ukoer, maritime transportation, chemistry, oil spills
Description	Material for personal study
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Language	English
File size	728 KB
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