

Mine!

Mine

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Naval mine

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A naval mine is a self-contained explosive weapon placed in water to damage or destroy surface ships or submarines. Similar to anti-personnel and other land mines, and unlike purpose launched naval depth charges, they are deposited and left to wait until, depending on their fuzing, they are triggered by the approach of or contact with any vessel.

Naval mines can be used offensively, to hamper enemy shipping movements or lock vessels into a harbour; or defensively, to create "safe" zones protecting friendly sea lanes, harbours, and naval assets. Mines allow the minelaying force commander to concentrate warships or defensive assets in mine-free areas giving the adversary three choices: undertake a resource-intensive and time-consuming minesweeping effort, accept the casualties of challenging the minefield, or use the unmined waters where the greatest concentration of enemy firepower will be encountered.

Although international law requires signatory nations to declare mined areas, precise locations remain secret, and non-complying parties might not disclose minelaying. While mines threaten only those who choose to traverse waters that may be mined, the possibility of activating a mine is a powerful disincentive to shipping. In the absence of effective measures to limit each mine's lifespan, the hazard to shipping can remain long after the war in which the mines were laid is over. Unless detonated by a parallel time fuze at the end of their useful life, naval mines need to be found and dismantled after the end of hostilities; an often prolonged, costly, and hazardous task.

Modern mines containing high explosives detonated by complex electronic fuze mechanisms are much more effective than early gunpowder mines requiring physical ignition. Mines may be placed by aircraft, ships, submarines, or individual swimmers and boatmen. Minesweeping is the practice of the removal of explosive naval mines, usually by a specially designed ship called a minesweeper using various measures to either capture or detonate the mines, but sometimes also with an aircraft made for that purpose. There are also mines that release a homing torpedo rather than explode themselves.

Kiruna mine

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The Kiruna mine is an iron ore mine in Kiruna in Norrbotten County, Lapland, Sweden. The mine is owned by Luossavaara-Kiirunavaara AB (LKAB), a large Swedish mining company. In 2018, the mine produced 26.9 million tonnes of iron ore. The Kiruna mine has an ore body which is 4 km (2.5 mi) long, 80 metres (260 ft) to 120 metres (390 ft) thick and reaching a depth of up to 2 km (1.2 mi). Since mining began at the site in 1898, the mine has produced over 950 million tonnes of ore. As of 2020, the main haulage level is 1,365 m below the ore outcrop at Kiirunavaara that existed prior to mining.

In 2004, it was decided that the present centre of the city would need to be relocated to accommodate mining-related subsidence. The relocation would be made gradually over decades.

On May 18, 2020, an earthquake of approximate 4.9 Mw was triggered in the footwall of the mine. The earthquake was not natural but induced by the mining activity.

Coal mining

Coal mining is the process of extracting coal from the ground or from a mine. Coal is valued for its energy content and since the 1880s has been widely

Coal mining is the process of extracting coal from the ground or from a mine. Coal is valued for its energy content and since the 1880s has been widely used to generate electricity. Steel and cement industries use coal as a fuel for extraction of iron from iron ore and for cement production. In the United Kingdom and South Africa, a coal mine and its structures are a colliery, a coal mine is called a "pit", and above-ground mining structures are referred to as a "pit head". In Australia, "colliery" generally refers to an underground coal mine.

Coal mining has had many developments in recent years, from the early days of tunneling, digging, and manually extracting the coal on carts to large open-cut and longwall mines. Mining at this scale requires the use of draglines, trucks, conveyors, hydraulic jacks, and shearers.

The coal mining industry has a long history of significant negative environmental impacts on local ecosystems, health impacts on local communities and workers, and contributes heavily to the global environmental crises, such as poor air quality and climate change. For these reasons, coal has been one of the first fossil fuels to be phased out of various parts of the global energy economy. The major coal producing countries, though, such as China, Indonesia, India and Australia, have not reached peak production, with production increases replacing falls in Europe and the United States and proposed mines under development.

As of 2023 the coal mining industry employed over 2.7 million workers, 2.2 million of them in Asia, but declines in global coal production were predicted to greatly decrease the number of coal jobs in coming decades.

Mine All Mine

Mine All Mine is a British television series produced by Red Production Company for ITV. It was written by Russell T Davies and starred Griff Rhys Jones

Mine All Mine is a British television series produced by Red Production Company for ITV. It was written by Russell T Davies and starred Griff Rhys Jones. The story takes place in Swansea, Wales.

Mining

potential of a proposed mine, extraction of the desired materials, and final reclamation or restoration of the land after the mine is closed. Mining materials

Mining is the extraction of valuable geological materials and minerals from the surface of the Earth. Mining is required to obtain most materials that cannot be grown through agricultural processes, or feasibly created artificially in a laboratory or factory. Ores recovered by mining include metals, coal, oil shale, gemstones, limestone, chalk, dimension stone, rock salt, potash, gravel, and clay. The ore must be a rock or mineral that contains valuable constituent, can be extracted or mined and sold for profit. Mining in a wider sense includes extraction of any non-renewable resource such as petroleum, natural gas, or even water.

Modern mining processes involve prospecting for ore bodies, analysis of the profit potential of a proposed mine, extraction of the desired materials, and final reclamation or restoration of the land after the mine is closed. Mining materials are often obtained from ore bodies, lodes, veins, seams, reefs, or placer deposits. The exploitation of these deposits for raw materials is dependent on investment, labor, energy, refining, and transportation cost.

Mining operations can create a negative environmental impact, both during the mining activity and after the mine has closed. Hence, most of the world's nations have passed regulations to decrease the impact; however, the outsized role of mining in generating business for often rural, remote or economically depressed communities means that governments often fail to fully enforce such regulations. Work safety has long been a concern as well, and where enforced, modern practices have significantly improved safety in mines. Unregulated, poorly regulated or illegal mining, especially in developing economies, frequently contributes to local human rights violations and environmental conflicts. Mining can also perpetuate political instability through resource conflicts.

Claymore mine

Claymore mine is a directional anti-personnel mine developed for the United States Armed Forces. Its inventor, Norman MacLeod, named the mine after a large

The Claymore mine is a directional anti-personnel mine developed for the United States Armed Forces. Its inventor, Norman MacLeod, named the mine after a large medieval Scottish sword. Unlike a conventional land mine, the Claymore may be command-detonated (fired by remote-control), and is directional, shooting a wide pattern of metal balls into a kill zone. The Claymore can also be activated by a booby-trap tripwire firing system for use in area denial operations.

The Claymore fires steel balls out to about 300 ft (100 m) within a 60° arc in front of the device. It is used primarily in ambushes and as an anti-infiltration device against enemy infantry. It is also used against unarmored vehicles.

Many countries have developed and used mines like the Claymore. Examples include models MON-50, MON-90, MON-100, and MON-200 introduced by the Soviet Union and used by its successor Russia, as well as MRUD (Serbia), MAPED F1 (France), and Mini MS-803 (South Africa).

Land mine

it. Land mines are divided into two types: anti-tank mines, which are designed to disable tanks or other vehicles; and anti-personnel mines, designed

A land mine, or landmine, is an explosive weapon often concealed under or camouflaged on the ground, and designed to destroy or disable enemy targets as they pass over or near it. Land mines are divided into two types: anti-tank mines, which are designed to disable tanks or other vehicles; and anti-personnel mines, designed to injure or kill people.

Land mines are typically pressure activated, exploding automatically when stepped on by a person or driven over by a vehicle, though alternative detonation mechanisms are sometimes used. A land mine may cause damage by direct blast effect, by fragments that are thrown by the blast, or by both. Land mines are typically laid throughout an area, creating a minefield which is dangerous to cross.

The use of land mines is controversial because of their indiscriminate nature and their potential to remain dangerous many years after a conflict has ended, harming civilians and the economy. With pressure from a number of campaign groups organised through the International Campaign to Ban Landmines, a global movement to prohibit their use led to the 1997 Convention on the Prohibition of the Use, Stockpiling, Production and Transfer of Anti-Personnel Mines and on their Destruction, also known as the Ottawa Treaty.

To date, 164 nations have signed the treaty. However, China, the Russian Federation and the United States are not signatories.

Mine All Mine (disambiguation)

Mine All Mine is a British television series produced for ITV. Mine All Mine may also refer to: "Mine All Mine" (Van Halen song), a single from Van Halen's

Mine All Mine is a British television series produced for ITV.

Mine All Mine may also refer to:

"Mine All Mine" (Van Halen song), a single from Van Halen's 1988 album *1981*

"Mine All Mine" (Tara Lyn Hart song), recorded by SheDAISY's in 2002

Gold Rush (TV series)

equipment malfunctions and crew inexperience. The crew's initial plan to strip mine a site near Porcupine Creek is quickly disrupted in favor of Jack Hoffman's

Gold Rush (titled Gold Rush: Alaska in the first season) is an American reality television series that airs on Discovery and its affiliates worldwide. The series follows the placer gold mining efforts of various family-run mining companies, initially in Alaska, but then mostly in the Klondike region of Dawson City, Yukon, Canada. Prior seasons also included mining efforts in Guyana, Oregon, and Colorado. As of 2024 the show has aired 15 seasons.

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