

Glomar Explorer

GSF Explorer, formerly USNS Hughes Glomar Explorer (T-AG-193), was a deepsea drillship platform built for Project Azorian, the secret 1974 effort by the United States Central Intelligence Agency's Special Activities Division to recover the Soviet submarine K-129.[3][4]

Construction

The ship was built as *Hughes Glomar Explorer* in 1971 and 1972 by Sun Shipbuilding & Drydock Company for more than US\$350 million (about \$1.7 billion in 2023) at the direction of Howard Hughes for use by his company, Global Marine Development Inc. [5] It began operation on 20 June 1974.

The ship's construction required a purpose built crane ship, *Sun 800*, to lift its 630-ton gimbal into place. [6]

Hughes told the media that the ship's purpose was to extract manganese nodules from the ocean floor. This marine geology cover story became surprisingly influential, causing many others to examine the idea.

Project Azorian

The Soviet diesel-electric submarine *K-129* sank in the Pacific Ocean 1,560 miles (2,510 km) NW of Hawaii, on 8 March 1968. The <u>USS Halibut</u> identified the wreck site and the <u>CIA</u> crafted an elaborate and highly secret plan to recover the submarine for intelligence purposes. As *K-129* had sunk in very deep water, at a depth of 16,500 feet (3 miles or 5 kilometres), a large ship was



History

Name GSF Explorer

Owner Global Marine Development

Operator Central Intelligence Agency

Port of Port Vila, Vanuatu

registry

Builder Sun Shipbuilding & Drydock Company

Chester, Pennsylvania

Cost >\$350 million (1974) (>\$1.68 billion in

2023 dollars.[1])

Laid down 1971

Launched 4 November 1972

Completed 1974 Acquired 2010

Identification ABS class no: 7310452

Call sign: YJQQ3

DNV ID:29748

IMO number: 7233292 (https://www.ma rinetraffic.com/ais/details/ships/imo:72

33292)

MMSI no.:576830000

Fate Scrapped

Notes [2]



United States

Name Hughes Glomar Explorer

required for the recovery operation. Such a vessel would be detected easily by Soviet vessels, which might then interfere with the operation, so an elaborate cover story was developed. The <u>CIA</u> contacted Hughes, who agreed to help. [8]

In 1974, the ship recovered a portion of K-129, but as the section was being lifted to the surface, a mechanical failure in the grapple caused two-thirds of the recovered section to break off. This lost section is said to have held many of the most-sought items, including the $\underline{\text{codebook}}$ and $\underline{\text{nuclear missiles}}$. The recovered section held two $\underline{\text{nuclear-tipped}}$ torpedoes and some cryptographic machines, along with the bodies of six Soviet submariners, who were given a formal, filmed burial at sea.

The operation became public in February 1975 when the <u>Los Angeles Times</u> published a story about "Project Jennifer". Other news organizations, including the <u>New York Times</u>, added details. The CIA declined to either confirm or deny the reports, a tactic that became known as the Glomar response and subsequently used

Namesake Howard Hughes

Builder Sun Shipbuilding & Drydock Company

Launched 4 November 1972

In service 1 July 1973

Fate Scrapped, 2015

Notes [2]

General characteristics

Type Drillship

Displacement 50,500 long tons (51,310 t) light

 Length
 619 ft (189 m)

 Beam
 116 ft (35 m)

 Draft
 38 ft (12 m)

Propulsion Diesel-electric

5 × Nordberg 16-cylinder diesel

engines driving 4,160 V AC generators turning 6 × 2,200 hp (1.6 MW) DC

shaft motors, twin shafts

Speed 10 knots (19 km/h; 12 mph)

Complement 160

Notes [2]

to confront all manner of journalistic and public inquiry, including <u>Freedom of Information Act</u> requests. [10] The actual name, Project Azorian, became public only in 2010.

The publication $Red\ Star\ Rogue\ (2005)$ by Kenneth Sewell claims "Project Jennifer" recovered virtually all of K-129 from the ocean floor. [11][12] Sewell states, "[D]espite an elaborate cover-up and the eventual claim that Project Jennifer had been a failure, most of K-129 and the remains of the crew were, in fact, raised from the bottom of the Pacific and brought into the $Glomar\ Explorer$ ". [N 1]

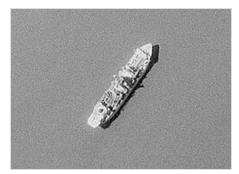
A subsequent movie and book by Michael White and Norman Polmar (*Project Azorian: The CIA and the Raising of the K-129*) revealed testimony from on-site crewmen as well as black and white video of the actual recovery operation. These sources indicate that only the forward 38 ft (12 m) of the submarine were recovered.

After Project Azorian

Mothballing

While the ship had an enormous lifting capacity, there was little interest in operating the vessel because of her great cost. From March to June 1976, the <u>General Services Administration</u> (GSA) published advertisements inviting businesses to submit proposals for leasing the ship. <u>[14]</u> By the end

of four months, GSA had received a total of seven bids, including a US\$2 offer submitted by Braden Ryan, a Lincoln, Nebraska college student, and a US\$1.98 million offer (\$8.25 million in 2023) from a man who said he planned to seek a government contract to salvage the nuclear reactors of two United States submarines. The Lockheed Missiles and Space Company submitted a US\$3 million (\$12.51 million in 2023), two-year lease proposal contingent upon the company's ability to secure financing. GSA had already extended the bid deadline twice to allow Lockheed to find financial backers for its project without success and the agency concluded there was no reason to believe this would change during the near future.



Glomar Explorer mothballed in Suisun Bay, California in June 1993

Although the scientific community rallied to the defense of *Hughes Glomar Explorer*, urging the president to maintain the ship as a national asset, no agency or department of the government wanted to assume the maintenance and operating cost. Subsequently, during September 1976, the GSA transferred *Hughes Glomar Explorer* to the Navy for storage, and during January 1977, after it was prepared for dry docking at a cost of more than two million dollars, the ship became part of the Navy's Suisun Bay Reserve Fleet. [17]

Lease, sale and disposal

In September 1978, Ocean Minerals Company consortium of Mountain View, California, announced it had leased *Hughes Glomar Explorer* and that in November would begin testing a prototype deep-sea mining system in the <u>Pacific Ocean</u>. The consortium included subsidiaries of the <u>Standard Oil Company of Indiana</u>, <u>Shell and Royal Boskalis Westminster</u> of the Netherlands. The consortium's prime contractor was the Lockheed Missiles and Space Company.

In late 1996, the ship was towed from the mothball fleet in <u>Suisun Bay</u> to <u>San Francisco Bay</u>, where much of the existing rig structure around the <u>moon pool</u>, including the massive gimbal was removed. [18] Following this, she was towed north to <u>Portland</u>, <u>Oregon</u>, for drydocking, closing up much of the submarine-sized moon pool, and engine repairs, among other things.

In June 1997, the ship departed Portland under its own power and sailed around South America and up to Atlantic Marine's shipyard in Mobile, Alabama, for conversion to a dynamically positioned deep sea drilling ship, capable of drilling in waters of 7,500 feet (2,300 m) and, with some modification, up to 11,500 feet (3,500 m), which was 2,000 feet (610 m) deeper than any other existing rig at the time. The conversion cost more than \$180 million (\$314 million in 2023) and was completed during the first quarter of 1998.

The conversion of the vessel from 1996 to 1998 was the start of a 30-year lease from the United States Navy to Global Marine Drilling at a cost of US\$1 million per year (\$1.7 million per year in 2023). Global Marine merged with Santa Fe International Corporation during 2001 to become GlobalSantaFe Corporation, which merged with Transocean in November 2007 and operated the vessel as *GSF Explorer*.

In 2010, Transocean bought the vessel for a US\$15 million (\$20 million in 2023) in cash. [19]

The vessel was reflagged from Houston to Port Vila, Vanuatu, in the third quarter of 2013. [20]

During her 18-year drilling career, she worked in the <u>Gulf Of Mexico</u>, Nigeria, the <u>Black Sea</u>, Angola, Indonesia and India, with various shipyards and port visits along the way, with numerous oil company clients. Crew members fondly referred to her as "The Mothership".

Transocean announced in April 2015 that the ship would be scrapped. The ship arrived at the ship breakers at Zhoushan, China, on 5 June 2015. [22][23]

See also

- Glomar Challenger
- Hughes Mining Barge
- Special Activities Division

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Notes

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External links

- Photo gallery (http://www.navsource.org/archives/09/49/49193.htm) of USNS Glomar Explorer at NavSource Naval History
- AZORIAN The Raising of the K-129 / 2009 2 Part TV Documentary / Michael White Films Vienna (https://web.archive.org/web/20090205063115/http://projectjennifer.at/)
- Transocean, Inc. (http://www.deepwater.com/)
- New life as a Global Drilling (http://www.globalsantafe.com/fleet/rigfacts/Explorer.pdf)
- Images of the ship (http://w3.the-kgb.com/dante/military/explpics.html)

- Images of HMB-1, the Hughes mining barge which held the recovery claw (http://w3.the-kgb.com/dante/military/hmb1.html)
- Project overview (http://w3.the-kgb.com/dante/military/mission.html)
- Overview of Project Jennifer (http://www.fas.org/irp/program/collect/jennifer.htm)
- Virtual tour inside HMB-1 and Sea Shadow, 2011, includes HMB-1 operating manual. (http://maritime.org/tour/seashadow/)
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