

## Annotated Bibliography

### Primary Sources

“Bow Plates and Supports Being Completed.” *Construction of the Edmund Fitzgerald Gallery*,  
<http://www.glmi.org/Fitz/gallery/pages/fitzbuild40.htm>

This image shows the plating of the bow of the ship. The photo also has the date it was taken, showing the speed at which the vessel was built. I used this image to better understand the process of constructing the ship.

“Cargo Hold Side Plates Being Secured.” *Building of the Edmund Fitzgerald*, Great Lakes Maritime Institute, <http://www.glmi.org/Fitz/gallery/pages/fitzabuildt.htm>.

This image shows the massive cargo hold of the ship mid construction. It also shows the tunnels that the crew would walk through when it was too dangerous to be on deck. I used this image to better understand the size of the ship, and the location of key points on the vessel.

“Edmund Fitzgerald Memorial Webcast .” *Edmund Fitzgerald Memorial*, Great Lakes Maritime Institute, 2003, [www.glmi.org/webcast/archive/fitz11-03/FitzWebcasta.htm](http://www.glmi.org/webcast/archive/fitz11-03/FitzWebcasta.htm).

This source is a live webcast done by the Great Lakes Maritime Institute in memory of the *Fitzgerald* and her crew. I am citing the segment in which Captain Don Erickson, who searched for the *Fitzgerald* the night of her sinking, is interviewed. I used this source to better understand the conditions on November 10, 1975, and the sheer emotion the *Fitzgerald's* loss caused.

Edmund Fitzgerald on St. Mary's River. Digital image. *Edmund Fitzgerald*. Marine Historical Society of Detroit. 12 Dec. 2018.

<http://www.mhsd.org/fleet/O/On-Columbia/fitz/default.htm>.

This picture shows the *Edmund Fitzgerald* sailing on St. Mary's River. The image shows the size and characteristics of the ship. I used this image to understand the size of the ship, and as a visual for my website.

“Engine Room.” *Construction of the Edmund Fitzgerald Gallery*,

[www.glmi.org/Fitz/gallery/pages/fitznint10.htm](http://www.glmi.org/Fitz/gallery/pages/fitznint10.htm).

This picture shows the engine room of the ship occupied with several workers. The image showcases the state of the art equipment in the vessel at the time it was built. I used this image as proof of the advanced machinery on board, and as a reference to the original coal furnace which was replaced.

Great Lakes Shipwreck Museum. “Edmund Fitzgerald Shipwreck.” *Image of the Edmund Fitzgerald shipwreck*,

<https://cdn.historycollection.co/wp-content/uploads/2017/07/Image-of-the-Edmund-Fitzgerald-shipwreckCourtesy-Great-Lakes-Shipwreck-Museum..jpg>.

This image shows the wreckage of the ship, specifically the pilothouse. The name of the ship is clearly visible, as is damage sustained during the wreck. I used this image to better understand the site of the wreck and as a visual on my website.

“Hatch Cover & Clamps.” *Construction of the Edmund Fitzgerald Gallery*,

[www.glmi.org/Fitz/gallery/pages/fitzmfite.htm](http://www.glmi.org/Fitz/gallery/pages/fitzmfite.htm).

This image shows one of the vessel's hatch covers clamped down. The image provides a clear view of both a full hatch, and a single clamp. I used this image to better understand the use of the clamps, and as evidence for and against sinking theories.

Hoffmann, Jim. Ready to load coal into her fuel bunker at the C&O #1 Coal Dock. Digital image. *Edmund Fitzgerald*. 09 Jan. 2019.

<http://www.mhsd.org/fleet/O/On-Columbia/fitz/default.htm>.

This picture shows the ship getting coal loaded into her fuel bunker, and was taken in the late 1960's. This image clearly illustrates the ship's size and shows the amount of work required to keep her running. I used this image as a reference for the *Fitzgerald's* original boiler system, which was changed to oil-burning in 1971.

"Lake Superior General". NOS Lake Survey Center. Nautical chart.

<https://historicalcharts.noaa.gov/historicals/preview/image/9-9-1973>.

This source is one of the charts the *Fitzgerald's* crew would have used at the time of her sinking. The chart shows the Six Fathom Shoal area in a smaller area than it actually covers, and is considered a factor in the ship's sinking. I used this source as proof of one of the theories of the sinking, and to better understand the location in which the event took place.

LaMarre, Paul C., Jr. Unloading at Great Lakes Steel on Zug Island. Digital image. *Edmund Fitzgerald*. 09 Jan. 2019. <http://www.mhsd.org/fleet/O/On-Columbia/fitz/default.htm>.

This image shows the ship being unloaded at Zug Island, the mill where she was heading the night of her sinking. This image is also documented as the last picture taken of the

*Fitzgerald* before her sinking. I used this image as a reference to the location where the ship was heading and as a visual on my website.

LeLievre, Roger. *August 1975 on the St. Mary's River*. Digital image. *Edmund Fitzgerald*. 09 Jan. 2019. <http://www.mhsd.org/fleet/O/On-Columbia/fitz/default.htm>.

This image shows the *Fitzgerald* sailing in the St. Mary's River in August of 1975. This picture proves the love of the ship by the public and attests to the size of the ship. I used this ship to further my understanding of the ship's design and as a visual on my website.

"Looking from Stern to Bow." *Building of the Edmund Fitzgerald*, Great Lakes Maritime Institute, [www.glmi.org/Fitz/gallery/pages/fitzabuildm.htm](http://www.glmi.org/Fitz/gallery/pages/fitzabuildm.htm).

This image shows the *Fitzgerald's* bow from a stern point of view. The shell of the pilothouse is visible as well as the steel frame upon which the deck would be built. I used this photo as reference to the timeline of construction as well as the process of building the ship.

"Name Being Painted on Stern." *Construction of the Edmund Fitzgerald Gallery*, [www.glmi.org/Fitz/gallery/pages/fitzbuild43.htm](http://www.glmi.org/Fitz/gallery/pages/fitzbuild43.htm).

This photo show the ship's stern surrounded by scaffolding with the words "Edmund Fitzgerald" clearly visible in fresh white paint. The large rudder and propeller are also visible. I used this image to comprehend the propulsion system of the ship, and as a reference to one of the theories regarding it's sinking.

Rmhermen. "Taconite from Edmund Fitzgerald." *File:Taconite from Edmund Fitzgerald*, Wikimedia, May 2016, [commons.wikimedia.org/wiki/File:Taconite\\_from\\_Edmund\\_Fitzgerald.jpg](https://commons.wikimedia.org/wiki/File:Taconite_from_Edmund_Fitzgerald.jpg).

This image shows actual taconite pellets recovered from the wreck. I used this image to better understand the type of cargo the ship carried.

Streeter, Wade P. "Edmund Fitzgerald Ready to Launch." Digital image. *Edmund Fitzgerald*, [www.mhsd.org/fleet/O/On-Columbia/fitz/default.htm](http://www.mhsd.org/fleet/O/On-Columbia/fitz/default.htm).

This image shows the *Fitzgerald* being prepared for launch. It shows the size of the ship as compared to a tugboat and spectators. I used this image to understand the scale of the ship and prove that spectators came to watch the historic event.

"Ticket to the Launch." *Construction of the Edmund Fitzgerald Gallery*, [www.glmi.org/Fitz/gallery/pages/fitzlaunch.htm](http://www.glmi.org/Fitz/gallery/pages/fitzlaunch.htm).

This image shows a ticket, admitting someone to the launching of the *Fitzgerald*. The image provides information such as the time, date, and the sponsor of the event. I used this image to better understand the grandeur of the ship when it was first launched.

"The Lost Fitzgerald Search Tapes." *The Edmund Fitzgerald*, Great Lakes Shipwreck Museum, [www.shipwreckmuseum.com/edmund-fitzgerald/](http://www.shipwreckmuseum.com/edmund-fitzgerald/).

This source is a recording of the radio traffic on the night of the search. I used this source to better understand the extent of search efforts and conditions on the night of the sinking.

Thro, Kenneth. Launching of the Edmund Fitzgerald. Digital image. *FITZGERALD EDMOND (1958)*. Web. 12 Jan. 2019. <http://greatlakeships.org/2892365/data?n=1>.

This image shows the *Fitzgerald's* launch. The image's caption clearly states that the ship was the largest on the Great Lakes. I used this image as proof of the *Fitzgerald's* popularity and title of largest Great Lakes vessel.

United States, Congress, Marine Board of Investigation. “Marine Casualty Report-SS Edmund Fitzgerald; Sinking in Lake Superior on 10 November 1975 with Loss of Life.” *Marine Casualty Report-SS Edmund Fitzgerald; Sinking in Lake Superior on 10 November 1975 with Loss of Life*, U.S. Coast Guard, 1977, pp. 1–108.

This source provides the federal investigation information detailing what happened to the ship. In addition, it provides maps, charts, and drawings relating to the ship, the lake, and the wreck. I used this source for a detailed description of the ship, and the causes of its sinking.

United States, Congress, Marine Safety Council. “Proceedings of the Marine Safety Council .” *Proceedings of the Marine Safety Council* , vol. 34, Department of Transportation, 1977, pp. 160–172.

This source provides information on the sinking, as well as its causes. Mainly, the source discusses the things that could have prevented the sinking, and future sinkings. I used this source for information on the triumph of the marine safety improvements as a result of the sinking.

## **Secondary Sources**

“A Complete History of Each Hull Built by the Shipyard: Hull #301.”

<http://www2.boatnerd.com/glswr/GLEW-Hull-301-ef.pdf>.

This document provides many images of the ship’s launch, as well as detailed information about the ship in general. It includes a synopsis of the sinking as well as

construction and leasing details. I used this source for information on both the company that built the ship, and the company that owned it.

Brown, David, "Aftermath." *White Hurricane: a Great Lakes November Gale and America's Deadliest Maritime Disaster*, Barnes & Noble, 2007, pp. 202–231.

In this selection, Brown referenced the *Edmund Fitzgerald* in comparison to the many ships that sunk during the "White Hurricane" a November 1913 storm that was similar to the one that sank the *Fitzgerald*. Brown also stated the possibility of rewards given to captians for speedy arrival, a factor that could have led to the wreck of the *Edmund Fitzgerald*. I used this source to gain basic information about the *Edmund Fitzgerald* and compare it to events that happened previously.

Dempsey, Mary A. "The witch of November: the saga of the Edmund Fitzgerald." *Michigan History Magazine*, vol. 83, no. 6, 1999, p. 28+. *U.S. History in Context*, [http://link.galegroup.com/apps/doc/A166849422/GPS?u=lut\\_hs\\_wes&sid=GPS&xid=35039d0c](http://link.galegroup.com/apps/doc/A166849422/GPS?u=lut_hs_wes&sid=GPS&xid=35039d0c).

This source digs deep into the *Fitzgerald's* triumphant pre-wreck past. In addition, it goes into great detail about the wreckage and recovery operations. I used this source to identify triumphs, as well as discover the impact the wreck itself still has.

"Great Lakes Maritime Institute." *Great Lakes Maritime Institute*, Great Lakes Maritime Institute, 2018, [www.glmi.org/](http://www.glmi.org/).

This website contains useful links and information regarding the *Fitzgerald's* legacy.

This website provides an archive of multimedia relating to the *Fitzgerald*. I used this site for new leads as well as for access to new primary sources.

Great Lakes Shipwreck Museum Staff. "The Edmund Fitzgerald." Great Lakes Shipwreck Museum. Last modified 2018. <https://www.shipwreckmuseum.com/edmund-fitzgerald/>. In this website, information regarding the ship, the crew, its last journey and its recovery operations. In addition, the website provides videos of exploring the shipwreck. I used this source for more general information, especially about the ship and crew, as well as for the story of the wreck.

Hemming, Robert J. *Gales of November: the Sinking of the Edmund Fitzgerald*. Contemporary Books, 1981.

This book provided information on each crew member's background, as well as the events leading up to the sinking. The book takes on the perspective of a crew member, and assumes the theory that the *Fitzgerald* hit a shoal. I used this source to gather information regarding a popular theory as to the cause of the sinking.

Hultquist, Thomas R., et al. "Reexamination of the 9–10 November 1975 'Edmund Fitzgerald' Storm Using Today's Technology." *Bulletin of the American Meteorological Society*, vol. 87, no. 5, May 2006, pp. 607–622. EBSCOhost, doi:10.1175/BAMS-87-5-607.

This article closely examines the storm that the *Fitzgerald* faced that night using modern technology. The article includes multiple meteorology charts estimating the storm that



night. I used this source to better understand the severity of the storm the *Fitzgerald* faced.

Johnston, Paul F. "Edmund Fitzgerald." *World Book Student*, World Book,

2019, <https://proxy.oplin.org:2232/student-new/#/article/home/ar756821/edmund%20fitzgerald>.

This source provides a simple summary of the ship's story. It describes the ship, its sinking, and its legacy. I used this source for basic information and information regarding the investigations about the sinking.

Kery, Sean. "A FORENSIC INVESTIGATION OF THE BREAKUP AND SINKING OF THE GREAT LAKES IRON ORE CARRIER EDMUND FITZGERALD, NOVEMBER 10, 1975, USING MODERN NAVAL ARCHITECTURE TOOLS AND TECHNIQUES."

CSC, 2013. [http://assets1.csc.com/innovation/downloads/Edmund\\_Fitzgerald.pdf](http://assets1.csc.com/innovation/downloads/Edmund_Fitzgerald.pdf).

This report offers an in depth look at the sinking, and handles it as if it was a crime scene. The report details a virtual simulation of the ship in the storm and speculates as to its cause of sinking. I used this source for information on the storm, the ship's condition, and for formulating theories of its sinking

"Legend lives on as Edmund Fitzgerald lifesaver found." The Canadian Broadcasting

Corporation, 8 Aug. 2007. *World History in Context*,

[http://link.galegroup.com/apps/doc/A167352289/GPS?u=lut\\_hs\\_wes&sid=GPS&xid=fc7e8500](http://link.galegroup.com/apps/doc/A167352289/GPS?u=lut_hs_wes&sid=GPS&xid=fc7e8500).

This news article details the finding of a piece of wreckage that may have belonged to the *Fitzgerald*. This source also tells of the legendary legacy the ship has left behind. I used this source for basic information, as well as for reference to the power of the Great Lakes, as the wreckage washed ashore 32 years after the wreck.

Lightfoot, Gordon. "The Wreck of the Edmund Fitzgerald." 1976.

This source is a song that tells the story of the *Edmund Fitzgerald*. I used this source as an introduction point, as the headings on my website, and as media on my site.

Madsen, Joyce Styron. "Disaster on the Great Lakes: The Mystery of the Edmund Fitzgerald."

*Boy's Quest*, Dec. 2001, p. 2+. *Student Resources in Context*,

[http://link.galegroup.com/apps/doc/A80950214/GPS?u=lut\\_hs\\_wes&sid=GPS&xid=27a6564c](http://link.galegroup.com/apps/doc/A80950214/GPS?u=lut_hs_wes&sid=GPS&xid=27a6564c).

This source provides information regarding the ship's background, including how it got its nickname. Also, it discusses the progression of events throughout the night of the sinking. I used this source to research the triumph in the *Fitzgerald's* past prior to its sinking.

Marine Historical Society of Detroit " Historic Fleet Gallery Feature - Edmund Fitzgerald ." *The*

*Great Lakes Engineering Works The Shipyard And Its Vessels*,

[www.mhsd.org/fleet/O/On-Columbia/fitz/default.htm](http://www.mhsd.org/fleet/O/On-Columbia/fitz/default.htm).

This source features many images as well as information regarding the specifications of the ship. In addition, the source provides a detailed timeline of events on the night of the sinking. I used this source for images, the ship's details, and new leads.

McCall, Timothy. "SS Edmund Fitzgerald Online". Last modified 2017.

<http://ssedmundfitzgerald.org/>.

This source is full of information regarding both the disaster itself and the crew. The site provides a timeline of events and individual information about crew members. I used this site to place events in order and pursue new leads regarding the crew and their families.

"OGLEBAY NORTON CO." *Encyclopedia of Cleveland History* | Case Western Reserve University, Case Western Reserve University, 12 May 2018, [case.edu/ech/articles/o/oglebay-norton-co](http://case.edu/ech/articles/o/oglebay-norton-co).

This source details the history of the Oglebay Norton Company, the owners of the *Fitzgerald*. This source details the company's story from its creation to its last days in Cleveland. I used this source for context regarding the *Fitzgerald's* purpose and as reference to the ship's connection to Cleveland.

Rosentreter, Roger L. "When the gales of November came early." *Michigan History Magazine*, vol. 91, no. 6, 2007, p. 60+. U.S. History in Context, [http://link.galegroup.com/apps/doc/A173514059/GPS?u=lut\\_hs\\_wes&sid=GPS&xid=54e275c4](http://link.galegroup.com/apps/doc/A173514059/GPS?u=lut_hs_wes&sid=GPS&xid=54e275c4).

This article details the events leading up to the sinking. It also speculates as to the cause and provides quotes from crew members' families. I used this source for general information and as a reference to the mystery and disagreement surrounding the cause of the ship's demise.

Schumacher, Michael. *Mighty Fitz: the Sinking of the Edmund Fitzgerald*. University of Minnesota Press, 2012.

This book told the story of the *Fitzgerald* from its launch, to its record-breaking seasons, and finally to its sinking. The book focused on facts, and cited documents to support multiple theories as to the cause of the sinking. I used this book to better understand the *Fitzgerald's* life as a whole, as well as the evidence that supports each sinking theory.

"Sunken ship twisted 'like a pretzel' Damage to Edmund Fitzgerald worse than expected, say scientists viewing wreck in Lake Superior." *Globe & Mail* [Toronto, Canada], 5 July 1994, p. A6. *World History in Context*, [http://link.galegroup.com/apps/doc/A163676736/GPS?u=lut\\_hs\\_wes&sid=GPS&xid=60c35cca](http://link.galegroup.com/apps/doc/A163676736/GPS?u=lut_hs_wes&sid=GPS&xid=60c35cca).

This source details an expedition to the *Fitzgerald* wreck for ecological and research purposes. The source discusses the extent of the damage to the ship and the thought that it most likely will never be determined what sank it.

"The Sinking of the SS Edmund Fitzgerald - November 10, 1975." *Sinking of the Fitzgerald*, University of Wisconsin-Madison, <https://cimss.ssec.wisc.edu/wxwise/fitz.html>.

This website details the events leading up to the sinking. In addition, it provides charts and maps showing weather conditions, and multiple cited sources providing leads.

"U-M GREAT LAKES EXPERT AVAILABLE TO DISCUSS EDMUND FITZGERALD 40TH ANNIVERSARY." *States News Service*, 3 Nov. 2015. *Biography in Context*, [http://link.galegroup.com/apps/doc/A433531713/GPS?u=lut\\_hs\\_wes&sid=GPS&xid=e9abfe7d](http://link.galegroup.com/apps/doc/A433531713/GPS?u=lut_hs_wes&sid=GPS&xid=e9abfe7d).

This source details the weather events that contributed to the *Edmund Fitzgerald's* sinking from the perspective of an expert. The source provides information on how the

sinking led to reform in weather forecasting as well. I used this source to gain information on the weather events and effects of the wreck.