**List of *Ohio* Class Submarines**

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[USS *Louisiana*](https://en.wikipedia.org/wiki/USS_Louisiana_%28SSBN-743%29), the last of the *[Ohio](https://en.wikipedia.org/wiki/Ohio-class_submarine%22%20%5Co%20%22Ohio-class%20submarine)* [class](https://en.wikipedia.org/wiki/Ohio-class_submarine%22%20%5Co%20%22Ohio-class%20submarine), arrives at [Naval Base Kitsap](https://en.wikipedia.org/wiki/Naval_Base_Kitsap%22%20%5Co%20%22Naval%20Base%20Kitsap), [Washington](https://en.wikipedia.org/wiki/Washington_%28U.S._state%29) (2005).

Named after its [lead boat](https://en.wikipedia.org/wiki/USS_Ohio_%28SSGN-726%29%22%20%5Co%20%22USS%20Ohio%20%28SSGN-726%29), the *[Ohio](https://en.wikipedia.org/wiki/Ohio-class_submarine%22%20%5Co%20%22Ohio-class%20submarine)* [class](https://en.wikipedia.org/wiki/Ohio-class_submarine%22%20%5Co%20%22Ohio-class%20submarine) of [nuclear-powered submarines](https://en.wikipedia.org/wiki/Nuclear-powered_submarine%22%20%5Co%20%22Nuclear-powered%20submarine) is, as of May 2015[[update]](https://en.wikipedia.org/w/index.php?title=List_of_Ohio-class_submarines&action=edit), serving with its sole operator, the [United States Navy](https://en.wikipedia.org/wiki/United_States_Navy%22%20%5Co%20%22United%20States%20Navy). Fourteen of the eighteen boats are [ballistic missile submarines](https://en.wikipedia.org/wiki/Ballistic_missile_submarine%22%20%5Co%20%22Ballistic%20missile%20submarine) (SSBN), which, along with [U.S. Air Force](https://en.wikipedia.org/wiki/U.S._Air_Force%22%20%5Co%20%22U.S.%20Air%20Force) [strategic bombers](https://en.wikipedia.org/wiki/Strategic_bomber) and [intercontinental ballistic missiles](https://en.wikipedia.org/wiki/Intercontinental_ballistic_missiles%22%20%5Co%20%22Intercontinental%20ballistic%20missiles), constitute the [nuclear-deterrent triad](https://en.wikipedia.org/wiki/Nuclear_triad%22%20%5Co%20%22Nuclear%20triad) of the U.S. The remaining four have been converted from their initial roles as SSBNs to [cruise-missile carriers](https://en.wikipedia.org/wiki/Cruise_missile_submarine%22%20%5Co%20%22Cruise%20missile%20submarine) (SSGN). The *Ohio*-class boats, each [displacing](https://en.wikipedia.org/wiki/Displacement_%28ship%29%22%20%5Co%20%22Displacement%20%28ship%29) 18,750 tons submerged, are the third largest submarines in the world, behind the 48,000-ton [Typhoon class](https://en.wikipedia.org/wiki/Typhoon_class_submarine) and 24,000-ton [*Borei* class](https://en.wikipedia.org/wiki/Borei_class_submarine) of the [Russian Navy](https://en.wikipedia.org/wiki/Russian_Navy). The *Ohio* class replaced the *[Benjamin Franklin](https://en.wikipedia.org/wiki/Benjamin_Franklin_class_submarine%22%20%5Co%20%22Benjamin%20Franklin%20class%20submarine)*- and [*Lafayette*-class](https://en.wikipedia.org/wiki/Lafayette_class_submarine) SSBNs.

The *Ohio* class was designed in the 1970s to carry the concurrently-designed [Trident](https://en.wikipedia.org/wiki/Trident_%28missile%29%22%20%5Co%20%22Trident%20%28missile%29) [submarine-launched ballistic missile](https://en.wikipedia.org/wiki/Submarine-launched_ballistic_missile). Both variants of the Tridents—the [UGM-96 Trident I](https://en.wikipedia.org/wiki/UGM-96_Trident_I%22%20%5Co%20%22UGM-96%20Trident%20I) and the [UGM-133 Trident II](https://en.wikipedia.org/wiki/UGM-133_Trident_II%22%20%5Co%20%22UGM-133%20Trident%20II)—are propelled by three-stage [solid propellant](https://en.wikipedia.org/wiki/Solid_propellant%22%20%5Co%20%22Solid%20propellant) rockets and are equipped with 8–14 [nuclear warheads](https://en.wikipedia.org/wiki/Nuclear_warhead). The 73,000 lb (33,100 kg) UGM-96, with a range of 4,000 mi (6,400 km), served from October 1979, starting with the *Benjamin Franklin*-class [USS](https://en.wikipedia.org/wiki/USS_Francis_Scott_Key_%28SSBN-657%29%22%20%5Co%20%22USS%20Francis%20Scott%20Key%20%28SSBN-657%29) *[Francis Scott Key](https://en.wikipedia.org/wiki/USS_Francis_Scott_Key_%28SSBN-657%29%22%20%5Co%20%22USS%20Francis%20Scott%20Key%20%28SSBN-657%29)*, until 2006. The 130,000 lb (59,000 kg) UGM-133, with a range of 6,000 mi (9,700 km), is in service as of 2015[[update]](https://en.wikipedia.org/w/index.php?title=List_of_Ohio-class_submarines&action=edit), having been introduced in 1990 with [USS](https://en.wikipedia.org/wiki/USS_Tennessee_%28SSBN-734%29%22%20%5Co%20%22USS%20Tennessee%20%28SSBN-734%29) *[Tennessee](https://en.wikipedia.org/wiki/USS_Tennessee_%28SSBN-734%29%22%20%5Co%20%22USS%20Tennessee%20%28SSBN-734%29)*. The primary self-defense weapon of the class is the [Mk 48 ADCAP](https://en.wikipedia.org/wiki/Mark_48_torpedo%22%20%5Co%20%22Mark%2048%20torpedo) [torpedo](https://en.wikipedia.org/wiki/Torpedo). *Ohio*-class submarines that carry ballistic missiles receive orders from the [United States Strategic Command](https://en.wikipedia.org/wiki/United_States_Strategic_Command%22%20%5Co%20%22United%20States%20Strategic%20Command) based in [Nebraska](https://en.wikipedia.org/wiki/Nebraska%22%20%5Co%20%22Nebraska).

In 1994, the [Nuclear Posture Review](https://en.wikipedia.org/wiki/Nuclear_Posture_Review%22%20%5Co%20%22Nuclear%20Posture%20Review) study determined that, of the 18 *Ohio* SSBNs the U.S. Navy would be operating in total, 14 would be sufficient for the strategic needs of the U.S. The decision was made to convert four *Ohio*-class boats into SSGNs capable of conducting conventional [land attack](https://en.wikipedia.org/wiki/Military_strike%22%20%5Co%20%22Military%20strike) and [special operations](https://en.wikipedia.org/wiki/Special_forces%22%20%5Co%20%22Special%20forces). As a result, the four oldest boats of the class—*Ohio*, *Michigan*, *Florida*, and *Georgia*—progressively entered the conversion process in late 2002 and were returned to active service by 2008. The boats could thereafter carry 154 [Tomahawk cruise missiles](https://en.wikipedia.org/wiki/Tomahawk_cruise_missile%22%20%5Co%20%22Tomahawk%20cruise%20missile) and 66 special operations personnel, among other capabilities and upgrades. The cost to refit the four boats was around US$1 billion (2008 dollars) per vessel.

With the first retirement of an *Ohio*-class boat scheduled for 2029, the U.S. Navy is currently, as of January 2014[[update]](https://en.wikipedia.org/w/index.php?title=List_of_Ohio-class_submarines&action=edit), undertaking a program tentatively named [SSBN-X](https://en.wikipedia.org/wiki/SSBN-X_future_follow-on_submarine%22%20%5Co%20%22SSBN-X%20future%20follow-on%20submarine) to study the prospective replacement of the class.

**Boats**

In July 1974, [General Dynamics Electric Boat](https://en.wikipedia.org/wiki/General_Dynamics_Electric_Boat%22%20%5Co%20%22General%20Dynamics%20Electric%20Boat) was awarded the contract to construct the *Ohio*-class submarines. The first of the class, USS *Ohio*, was laid down in 1976. Due to an unspecified "series of unfortunate problems in [Washington D.C.](https://en.wikipedia.org/wiki/Federal_government_of_the_United_States)" and manufacturing issues, *Ohio* did not initiate [sea trials](https://en.wikipedia.org/wiki/Sea_trials%22%20%5Co%20%22Sea%20trials) until June 1981, setting back the boat's [commissioning](https://en.wikipedia.org/wiki/Ship_commissioning%22%20%5Co%20%22Ship%20commissioning) date to November that year, three years behind schedule. Originally, it was decided that 20 boats were to be built, but due to the 1991 [START I](https://en.wikipedia.org/wiki/START_I%22%20%5Co%20%22START%20I) agreement between the U.S. and [Soviet Union](https://en.wikipedia.org/wiki/Soviet_Union%22%20%5Co%20%22Soviet%20Union), the U.S. agreed to reduce the number of nuclear warheads it could deploy, and thus rationalized its order to 18 boats. The last boat of the class, [USS](https://en.wikipedia.org/wiki/USS_Louisiana_%28SSBN-743%29%22%20%5Co%20%22USS%20Louisiana%20%28SSBN-743%29) *[Louisiana](https://en.wikipedia.org/wiki/USS_Louisiana_%28SSBN-743%29%22%20%5Co%20%22USS%20Louisiana%20%28SSBN-743%29)*, was commissioned in September 1997, nearly 16 years after the class entered operational service. Originally designed for 30-year service lives, it was later decided that *Ohio*-class submarines would each serve for 42 years, comprising two periods of 20 years of operations and a two-year mid-life [nuclear refueling](https://en.wikipedia.org/wiki/Refueling_and_Overhaul).

Line drawing of the *Ohio* class in its original SSBN configuration. 1) Sonar dome 2) Main [ballast tanks](https://en.wikipedia.org/wiki/Ballast_tank%22%20%5Co%20%22Ballast%20tank) 3) Computer room 4) Integrated radio room 5) Sonar room 6) [Command and control](https://en.wikipedia.org/wiki/Command_and_control%22%20%5Co%20%22Command%20and%20control) center 7) Navigation center 8) Missile control center 9) Engine room 10) [Reactor](https://en.wikipedia.org/wiki/Nuclear_marine_propulsion%22%20%5Cl%20%22Power_plants%22%20%5Co%20%22Nuclear%20marine%20propulsion) compartment 11) Auxiliary machinery room no. 1 12) Crew's berthing 13) Auxiliary machinery room no. 2 14) Torpedo room 15) [Wardroom](https://en.wikipedia.org/wiki/Wardroom%22%20%5Co%20%22Wardroom) 16) [Chief petty officer](https://en.wikipedia.org/wiki/Chief_petty_officer%22%20%5Co%20%22Chief%20petty%20officer) quarters 17) Missile compartment

**List**

Keys

* Boats in lime(†) are operated by the [U.S. Pacific Fleet](https://en.wikipedia.org/wiki/U.S._Pacific_Fleet%22%20%5Co%20%22U.S.%20Pacific%20Fleet) and are thus based at [Naval Base Kitsap](https://en.wikipedia.org/wiki/Naval_Base_Kitsap%22%20%5Co%20%22Naval%20Base%20Kitsap), [Washington](https://en.wikipedia.org/wiki/Washington_%28state%29).
* Boats in aqua(\*) are operated by the [U.S. Fleet Forces Command](https://en.wikipedia.org/wiki/U.S._Fleet_Forces_Command%22%20%5Co%20%22U.S.%20Fleet%20Forces%20Command), formerly the U.S. Atlantic Fleet, and are thus based at [Naval Submarine Base Kings Bay](https://en.wikipedia.org/wiki/Naval_Submarine_Base_Kings_Bay%22%20%5Co%20%22Naval%20Submarine%20Base%20Kings%20Bay), [Georgia](https://en.wikipedia.org/wiki/Georgia_%28U.S._state%29).

*Note: The classification of the 18 boats into the two U.S. fleets is according to the latest updates of the [Naval Vessel Register](https://en.wikipedia.org/wiki/Naval_Vessel_Register%22%20%5Co%20%22Naval%20Vessel%20Register), and does not indicate previous boat transfers between the two fleets.*

| **Boat** | [**Hull number**](https://en.wikipedia.org/wiki/Hull_number) | [**UIC**](https://en.wikipedia.org/wiki/Unit_Identification_Code) | **Picture** | **Ordered** | **Laid down** | **Launched** | **Delivered** | **Commissioned** | **Weapons** | **Status** | **Ref.** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [***Ohio***](https://en.wikipedia.org/wiki/USS_Ohio_%28SSGN-726%29) | SSGN-726 (ex SSBN-726)  | 21036 |  | 1 July 1974 | 10 April 1976 | 7 April 1979 | 28 October 1981 | 11 November 1981 | 154 [Tomahawk cruise missiles](https://en.wikipedia.org/wiki/Tomahawk_cruise_missile); [Mark 48 torpedoes](https://en.wikipedia.org/wiki/Mark_48_torpedo) | Reclassed to SSGN on 1 October 2002; in active service |  |
| [***Michigan***](https://en.wikipedia.org/wiki/USS_Michigan_%28SSGN-727%29) | SSGN-727 (ex SSBN-727)  | 21037 |  | 28 February 1975 | 4 April 1977 | 26 April 1980 | 28 August 1982 | 11 September 1982 | 154 [Tomahawk cruise missiles](https://en.wikipedia.org/wiki/Tomahawk_cruise_missile); [Mark 48 torpedoes](https://en.wikipedia.org/wiki/Mark_48_torpedo) | Reclassed to SSGN on 1 January 2004; in active service |  |
| [***Florida***](https://en.wikipedia.org/wiki/USS_Florida_%28SSGN-728%29) | SSGN-728 (ex SSBN-728) \* | 21038 |  | 28 February 1975 | 19 January 1981 | 14 November 1981 | 17 May 1983 | 18 June 1983 | 154 [Tomahawk cruise missiles](https://en.wikipedia.org/wiki/Tomahawk_cruise_missile); [Mark 48 torpedoes](https://en.wikipedia.org/wiki/Mark_48_torpedo) | Reclassed to SSGN on 10 January 2002; in active service |  |
| [***Georgia***](https://en.wikipedia.org/wiki/USS_Georgia_%28SSGN-729%29) | SSGN-729 (ex SSBN-729) \* | 21039 |  | 20 February 1976 | 7 April 1979 | 6 November 1982 | 17 January 1984 | 11 February 1984 | 154 [Tomahawk cruise missiles](https://en.wikipedia.org/wiki/Tomahawk_cruise_missile); [Mark 48 torpedoes](https://en.wikipedia.org/wiki/Mark_48_torpedo) | Reclassed to SSGN on 1 March 2004; in active service |  |
| [***Henry M. Jackson***](https://en.wikipedia.org/wiki/USS_Henry_M._Jackson_%28SSBN-730%29) **(ex *Rhode Island*)** | SSBN-730  | 21040 |  | 6 June 1977 | 19 November 1981 | 15 October 1983 | 11 September 1984 | 16 October 1984 | 24 [UGM-133 Trident II](https://en.wikipedia.org/wiki/UGM-133_Trident_II) SLBMs; Mark 48 torpedoes | In active ervice |  |
| [***Alabama***](https://en.wikipedia.org/wiki/USS_Alabama_%28SSBN-731%29) | SSBN-731  | 21041 |  | 27 February 1978 | 27 August 1981 | 19 May 1984 | 23 April 1985 | 25 May 1985 | 24 [UGM-133 Trident II](https://en.wikipedia.org/wiki/UGM-133_Trident_II) SLBMs; Mark 48 torpedoes | In active service |  |
| [***Alaska***](https://en.wikipedia.org/wiki/USS_Alaska_%28SSBN-732%29) | SSBN-732 \* | 21042 |  | 27 February 1978 | 9 March 1983 | 12 January 1985 | 26 November 1985 | 25 January 1986 | 24 [UGM-133 Trident II](https://en.wikipedia.org/wiki/UGM-133_Trident_II) SLBMs; Mark 48 torpedoes | In active service |  |
| [***Nevada***](https://en.wikipedia.org/wiki/USS_Nevada_%28SSBN-733%29) | SSBN-733  | 21043 |  | 7 January 1981 | 8 August 1983 | 14 September 1985 | 7 August 1986 | 16 August 1986 | 24 [UGM-133 Trident II](https://en.wikipedia.org/wiki/UGM-133_Trident_II) SLBMs; Mark 48 torpedoes | In active service |  |
| [***Tennessee***](https://en.wikipedia.org/wiki/USS_Tennessee_%28SSBN-734%29) | SSBN-734 \* | 21044 |  | 7 January 1982 | 9 June 1986 | 13 December 1986 | 18 November 1988 | 17 December 1988 | 24 [UGM-133 Trident II](https://en.wikipedia.org/wiki/UGM-133_Trident_II) SLBMs; Mark 48 torpedoes | In active service |  |
| [***Pennsylvania***](https://en.wikipedia.org/wiki/USS_Pennsylvania_%28SSBN-735%29) | SSBN-735  | 21045 |  | 29 November 1982 | 2 March 1987 | 23 April 1988 | 22 August 1989 | 9 September 1989 | 24 [UGM-133 Trident II](https://en.wikipedia.org/wiki/UGM-133_Trident_II) SLBMs; Mark 48 torpedoes | In active service |  |
| [***West Virginia***](https://en.wikipedia.org/wiki/USS_West_Virginia_%28SSBN-736%29) | SSBN-736 \* | 21365 |  | 21 November 1983 | 18 December 1987 | 14 October 1989 | 10 September 1990 | 20 October 1990 | 24 [UGM-133 Trident II](https://en.wikipedia.org/wiki/UGM-133_Trident_II) SLBMs; Mark 48 torpedoes | In active service |  |
| [***Kentucky***](https://en.wikipedia.org/wiki/USS_Kentucky_%28SSBN-737%29) | SSBN-737  | 21433 |  | 13 August 1985 | 18 December 1987 | 11 August 1990 | 27 June 1991 | 13 July 1991 | 24 [UGM-133 Trident II](https://en.wikipedia.org/wiki/UGM-133_Trident_II) SLBMs; Mark 48 torpedoes | In active service |  |
| [***Maryland***](https://en.wikipedia.org/wiki/USS_Maryland_%28SSBN-738%29) | SSBN-738 \* | 21460 |  | 14 March 1986 | 22 April 1986 | 10 August 1991 | 31 May 1992 | 13 June 1992 | 24 [UGM-133 Trident II](https://en.wikipedia.org/wiki/UGM-133_Trident_II) SLBMs; Mark 48 torpedoes | In active service |  |
| [***Nebraska***](https://en.wikipedia.org/wiki/USS_Nebraska_%28SSBN-739%29) | SSBN-739  | 21461 |  | 26 May 1987 | 6 July 1987 | 15 August 1992 | 18 June 1993 | 10 July 1993 | 24 [UGM-133 Trident II](https://en.wikipedia.org/wiki/UGM-133_Trident_II) SLBMs; Mark 48 torpedoes | In active service |  |
| [***Rhode Island***](https://en.wikipedia.org/wiki/USS_Rhode_Island_%28SSBN-740%29) | SSBN-740 \* | 21682 |  | 15 January 1988 | 15 September 1988 | 17 July 1993 | 22 June 1994 | 9 July 1994 | 24 [UGM-133 Trident II](https://en.wikipedia.org/wiki/UGM-133_Trident_II) SLBMs; Mark 48 torpedoes | In active service |  |
| [***Maine***](https://en.wikipedia.org/wiki/USS_Maine_%28SSBN-741%29) | SSBN-741  | 21826 |  | 5 October 1988 | 3 July 1990 | 16 July 1994 | 21 June 1995 | 29 July 1995 | 24 [UGM-133 Trident II](https://en.wikipedia.org/wiki/UGM-133_Trident_II) SLBMs; Mark 48 torpedoes | In active service |  |
| [***Wyoming***](https://en.wikipedia.org/wiki/USS_Wyoming_%28SSBN-742%29) | SSBN-742 \* | 21846 |  | 18 October 1989 | 8 August 1991 | 15 July 1995 | 20 June 1996 | 13 July 1996 | 24 [UGM-133 Trident II](https://en.wikipedia.org/wiki/UGM-133_Trident_II) SLBMs; Mark 48 torpedoes | In active service |  |
| [***Louisiana***](https://en.wikipedia.org/wiki/USS_Louisiana_%28SSBN-743%29) | SSBN-743  | 21861 |  | 19 December 1990 | 23 October 1992 | 27 July 1996 | 14 August 1997 | 6 September 1997 | 24 [UGM-133 Trident II](https://en.wikipedia.org/wiki/UGM-133_Trident_II) SLBMs; Mark 48 torpedoes | In active service |  |

**See also**

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|  | [***Submarine portal***](https://en.wikipedia.org/wiki/Portal%3ASubmarine) |
|  | [***United States Navy portal***](https://en.wikipedia.org/wiki/Portal%3AUnited_States_Navy) |

* [List of submarines of the United States Navy](https://en.wikipedia.org/wiki/List_of_submarines_of_the_United_States_Navy)
* [List of submarine classes of the United States Navy](https://en.wikipedia.org/wiki/List_of_submarine_classes_of_the_United_States_Navy)
	+ [List of *Sturgeon* class submarines](https://en.wikipedia.org/wiki/List_of_Sturgeon-class_submarines)
	+ [List of *Los Angeles* class submarines](https://en.wikipedia.org/wiki/List_of_Los_Angeles_class_submarines)
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