**List of *Ohio* Class Submarines**

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[USS *Louisiana*](https://en.wikipedia.org/wiki/USS_Louisiana_(SSBN-743)), the last of the *[Ohio](https://en.wikipedia.org/wiki/Ohio-class_submarine" \o "Ohio-class submarine)* [class](https://en.wikipedia.org/wiki/Ohio-class_submarine" \o "Ohio-class submarine), arrives at [Naval Base Kitsap](https://en.wikipedia.org/wiki/Naval_Base_Kitsap" \o "Naval Base Kitsap), [Washington](https://en.wikipedia.org/wiki/Washington_(U.S._state)) (2005).

Named after its [lead boat](https://en.wikipedia.org/wiki/USS_Ohio_(SSGN-726)" \o "USS Ohio (SSGN-726)), the *[Ohio](https://en.wikipedia.org/wiki/Ohio-class_submarine" \o "Ohio-class submarine)* [class](https://en.wikipedia.org/wiki/Ohio-class_submarine" \o "Ohio-class submarine) of [nuclear-powered submarines](https://en.wikipedia.org/wiki/Nuclear-powered_submarine" \o "Nuclear-powered submarine) 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" \o "United States Navy). Fourteen of the eighteen boats are [ballistic missile submarines](https://en.wikipedia.org/wiki/Ballistic_missile_submarine" \o "Ballistic missile submarine) (SSBN), which, along with [U.S. Air Force](https://en.wikipedia.org/wiki/U.S._Air_Force" \o "U.S. Air Force) [strategic bombers](https://en.wikipedia.org/wiki/Strategic_bomber) and [intercontinental ballistic missiles](https://en.wikipedia.org/wiki/Intercontinental_ballistic_missiles" \o "Intercontinental ballistic missiles), constitute the [nuclear-deterrent triad](https://en.wikipedia.org/wiki/Nuclear_triad" \o "Nuclear triad) 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" \o "Cruise missile submarine) (SSGN). The *Ohio*-class boats, each [displacing](https://en.wikipedia.org/wiki/Displacement_(ship)" \o "Displacement (ship)) 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" \o "Benjamin Franklin class submarine)*- and [*Lafayette*-class](https://en.wikipedia.org/wiki/Lafayette_class_submarine) SSBNs.

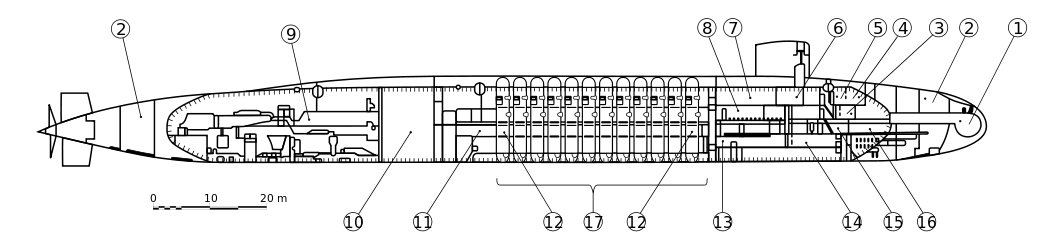
The *Ohio* class was designed in the 1970s to carry the concurrently-designed [Trident](https://en.wikipedia.org/wiki/Trident_(missile)" \o "Trident (missile)) [submarine-launched ballistic missile](https://en.wikipedia.org/wiki/Submarine-launched_ballistic_missile). Both variants of the Tridents—the [UGM-96 Trident I](https://en.wikipedia.org/wiki/UGM-96_Trident_I" \o "UGM-96 Trident I) and the [UGM-133 Trident II](https://en.wikipedia.org/wiki/UGM-133_Trident_II" \o "UGM-133 Trident II)—are propelled by three-stage [solid propellant](https://en.wikipedia.org/wiki/Solid_propellant" \o "Solid propellant) 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_(SSBN-657)" \o "USS Francis Scott Key (SSBN-657)) *[Francis Scott Key](https://en.wikipedia.org/wiki/USS_Francis_Scott_Key_(SSBN-657)" \o "USS Francis Scott Key (SSBN-657))*, 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_(SSBN-734)" \o "USS Tennessee (SSBN-734)) *[Tennessee](https://en.wikipedia.org/wiki/USS_Tennessee_(SSBN-734)" \o "USS Tennessee (SSBN-734))*. The primary self-defense weapon of the class is the [Mk 48 ADCAP](https://en.wikipedia.org/wiki/Mark_48_torpedo" \o "Mark 48 torpedo) [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" \o "United States Strategic Command) based in [Nebraska](https://en.wikipedia.org/wiki/Nebraska" \o "Nebraska).

In 1994, the [Nuclear Posture Review](https://en.wikipedia.org/wiki/Nuclear_Posture_Review" \o "Nuclear Posture Review) 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" \o "Military strike) and [special operations](https://en.wikipedia.org/wiki/Special_forces" \o "Special forces). 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" \o "Tomahawk cruise missile) 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" \o "SSBN-X future follow-on submarine) 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" \o "General Dynamics Electric Boat) 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" \o "Sea trials) until June 1981, setting back the boat's [commissioning](https://en.wikipedia.org/wiki/Ship_commissioning" \o "Ship commissioning) 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" \o "START I) agreement between the U.S. and [Soviet Union](https://en.wikipedia.org/wiki/Soviet_Union" \o "Soviet Union), 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_(SSBN-743)" \o "USS Louisiana (SSBN-743)) *[Louisiana](https://en.wikipedia.org/wiki/USS_Louisiana_(SSBN-743)" \o "USS Louisiana (SSBN-743))*, 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" \o "Ballast tank) 3) Computer room 4) Integrated radio room 5) Sonar room 6) [Command and control](https://en.wikipedia.org/wiki/Command_and_control" \o "Command and control) center 7) Navigation center 8) Missile control center 9) Engine room 10) [Reactor](https://en.wikipedia.org/wiki/Nuclear_marine_propulsion" \l "Power_plants" \o "Nuclear marine propulsion) 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" \o "Wardroom) 16) [Chief petty officer](https://en.wikipedia.org/wiki/Chief_petty_officer" \o "Chief petty officer) 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" \o "U.S. Pacific Fleet) and are thus based at [Naval Base Kitsap](https://en.wikipedia.org/wiki/Naval_Base_Kitsap" \o "Naval Base Kitsap), [Washington](https://en.wikipedia.org/wiki/Washington_(state)).
* Boats in aqua(\*) are operated by the [U.S. Fleet Forces Command](https://en.wikipedia.org/wiki/U.S._Fleet_Forces_Command" \o "U.S. Fleet Forces Command), 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" \o "Naval Submarine Base Kings Bay), [Georgia](https://en.wikipedia.org/wiki/Georgia_(U.S._state)).

*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" \o "Naval Vessel Register), 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_(SSGN-726)) | 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_(SSGN-727)) | 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_(SSGN-728)) | 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_(SSGN-729)) | 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_(SSBN-730)) **(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_(SSBN-731)) | 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_(SSBN-732)) | 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_(SSBN-733)) | 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_(SSBN-734)) | 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_(SSBN-735)) | 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_(SSBN-736)) | 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_(SSBN-737)) | 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_(SSBN-738)) | 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_(SSBN-739)) | 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_(SSBN-740)) | 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_(SSBN-741)) | 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_(SSBN-742)) | 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_(SSBN-743)) | 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:Submarine) |
|  | [***United States Navy portal***](https://en.wikipedia.org/wiki/Portal:United_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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