

72 Ojibwa [Oberon Class] - 1989

Canada

Type: SS - Attack/Fleet Submarine

Max Depth: -200 m

Max Speed: 17 kt

Commissioned: 1989

Length: 90.0 m

Beam: 8.1 m

Draft: 5.5 m

Crew: 69

Displacement: 2030 t

Displacement Full: 2410 t

Propulsion: 2x Electric Motors

Sensors / EW:

- Type 2051 Triton - (Oberon, Type 187 Replacement) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search, Max range: 14.8 km
- CA/BQG-501 MicroPUFFS - (Oberon) Hull Sonar, Passive-Only, Hull Sonar, Passive-Only Ranging Flank Array Search & Track, Max range: 14.8 km
- UA-4 - (Oberon) ESM, RWR, Radar Warning Receiver, Max range: 222.2 km
- Type 1006(1) [KH 19/9A] - (Submarines) Radar, Radar, Surface Search & Navigation, Max range: 118.5 km
- Generic Acoustic Intercept - (Submarines) Acoustic Intercept (Active Sonar Warning), Acoustic Intercept, Max range: 66.7 km
- Generic Submarine Periscope, Optical - (1970s, 1.5x/8x Zoom) Visual, Visual, Surveillance Periscope, Max range: 41.7 km
- Generic Submarine Periscope, LLTV - (1970s, Gen 1, 1x/2x Zoom) Visual, LLTV, Surveillance & Navigation Camera, Max range: 27.8 km

Weapons / Loadouts:

- Mk48 Mod 4 - (1982, 75% success rate) Torpedo. Surface Max: 11.1 km. Subsurface Max: 11.1 km.

OVERVIEW: The OBERON is a diesel-powered patrol submarine (SSK).

DETAILS: The OBERON class were heavily based on the earlier PORPOISE-class SSK, with the exception of their using a different steel and glass fibre laminate in the hull to increase strength. They are exceptionally quiet underwater, in part due to careful attention to detail in the mounting of machinery, and advances made in propeller design to prevent cavitation. Their quietness, combined with a very effective long-range sonar suite, made them a very capable in their role patrolling chokepoints to detect transiting Soviet submarines.

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Specifications:

Displacement: 2,030 (surfaced); 2,410 tons submerged.

Speed: 12 knts (surfaced) 17 knts (submerged)

Engineering: 2 diesel engines; 2 -3-bladed propeller

Diving Depth: 800-900 feet

Range: 9,000 nm (surfaced)

Complement: 65

Hulls built: 3 (Canada)

Period of Service: 1965-2000 (Australia and Canada)

NOTES: Units in class: OJIBWA (72); ONONDAGA (73) ; OKANAGAN (74).

SOURCES: Moore, John Evelyn. Jane's Fighting Ships 1987-88. London: Jane's Pub, 1987, pg. 72, 659 ; Oberon-class submarine - Wikipedia, the free encyclopedia. (n.d.). Retrieved May 4, 2015, from http://en.wikipedia.org/wiki/Oberon-class_submarine ; ; <http://arl.g3w1.com/Subs/index.htm>