# SS 60 Onslow [Oberon Class] - 1974

### Australia

Type: SS - Attack/Fleet Submarine

Max Depth: -200 m Max Speed: 17 kt

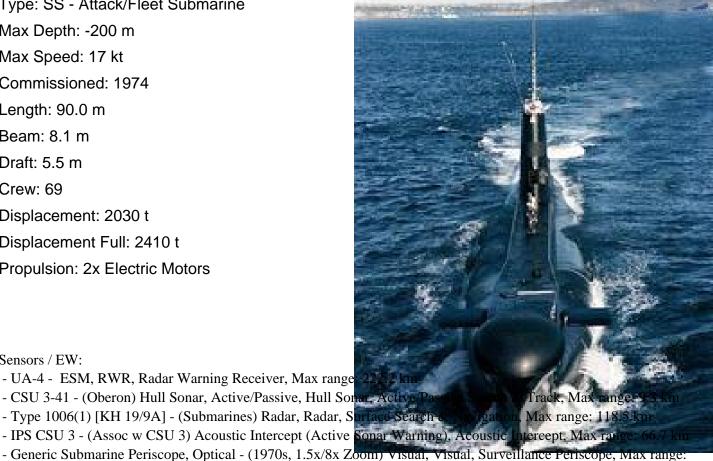
Commissioned: 1974

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:

- UA-4 ESM, RWR, Radar Warning Receiver, Max range
- CSU 3-41 (Oberon) Hull Sonar, Active/Passive, Hull Sonar, Active
- Type 1006(1) [KH 19/9A] (Submarines) Radar, Radar, Surface Sear
- 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:

- Generic Acoustic Decoy (1970s, Noisemaker / Bubble Screen) Decoy (Expendable). Subsurface Max: 1.9 km.
- Mk37 Mod 1 (1961, Wire, Major version) Torpedo. Subsurface Max: 7.4 km.
- Mk8 Straight Runner Torpedo. Surface Max: 5.6 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 firre 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: 62 Hulls built: 6 (Australian).

Period of Service: 1967-2000

NOTES: Units in class: OXLEY (57); OTWAY (59); ONSLOW (60); ORION (61); OTAMA (62); OVENS (70).

 $SOURCES:\ Moore,\ John\ Evelyn.\ Jane's\ Fighting\ Ships\ 1987-88.\ London:\ Jane's\ Pub,\ 1987,\ pg.\ 21\ ;\ Oberon-class\ submarine\ -\ Wikipedia,\ the\ free\ encyclopedia.\ (n.d.).\ Retrieved\ May\ 4,\ 2015,\ from$ 

 $http://en.wikipedia.org/wiki/Oberon-class\_submarine~;~;~http://arl.g3w1.com/Subs/index.htm$