

816 SQUADRON S-70B-2 SEAHAWK

S-70B-2 SEAHAWK

In service: 16
Length: 19.8 metres (rotors spread)
Height: 5.2 metres
Width: 16.4 metres (rotors spread)
Weight: 9,947kg
Engines: 2 T700-GE-401C front drive turboshaft delivering up to 1940 SHP
Speed: 135 knots (cruise)
 180 knots (maximum)
 (330km per hour)
Range: 600 nautical miles
Armament: 2 Mk 46 torpedoes and one 7.62mm MAG 58 machine gun
Crew: 3 (Pilot, Tactical Coordinator and Sensor Operator)



Australia's Navy Today



817 SQUADRON WESTLAND SEA KING

817 SQUADRON WESTLAND SEA KING

In service: 6
Length: 28.63 metres (rotors spread)
Height: 5.13 metres
Width: 24.42 metres (rotors spread)
Weight: 9525kg
Engines: 2 Rolls Royce Gnome H1400-1 gas turbines
Speed: 100 knots (maximum)
Range: 630 nautical miles
Armament: 2 Mk 46 torpedoes or two Mk 11 depth charges
 1 door mounted 7.62mm MAG 58 machine gun
Crew: 4 (2 pilots, 1 tactical coordinator/navigator and 1 aircrewman), 23 troops



ANZAC CLASS FRIGATES (FFH)

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Displacement: 3600 tonnes
Length: 118 metres
Beam: 14.8 metres
Main Machinery: 1 x General Electric LM2500 gas turbine engine, 2 x MTU 12V 1163 diesels driving two controllable pitch propellers
Speed: More than 27 knots
Armament: 1 x 5 inch Mk45 Mod 2 automatic rapid fire gun, Sea Sparrow anti-air missile system
 2 x Mk32 Mod 5 triple mounted torpedo tubes, 2 x .50 calibre (12.7mm) Browning machine guns
 Nulka anti-ship missile defence system
Aircraft: One SH-2G(A) Super Seasprite, armed with 'Penguin' missiles
Crew: 174 (including flight crew)

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|----------------|----------------|
| 150 ANZAC | 154 PARRAMATTA |
| 151 ARUNTA | 155 BALLARAT |
| 152 WARRAMUNGA | 156 TOOWOOMBA |
| 153 STUART | 157 PERTH |



723 SQUADRON AS 350BA SQUIRREL

AS 350BA SQUIRREL

In service: 12
Length: 12.99 metres
Height: 3.5 metres
Width: 10.69 metres (rotors spread)
Weight: 2,100kg
Engines: Aerospatiale Turbomeca Arriel 1B
Speed: 125 knots
Range: 390 nautical miles
Crew: 2 to 4



ADELAIDE CLASS FRIGATES (FFG)

ADELAIDE CLASS GUIDED MISSILE FRIGATES (FFG)

Displacement: 4,100 tonnes
Length: 138 metres
Beam: 13.7 metres
Main Machinery: 2 GE LM2500 gas turbines driving a single controllable pitch propeller
Speed: More than 30 knots
Armament: 1 x Mk13 Launcher (Harpoon anti-ship missiles and Standard surface to air missiles), 1 x 76mm rapid fire gun, 1 x 20mm Vulcan Phalanx Mk15 close in weapons system, 2 x Mk32 mod 5 triple mounted anti-submarine torpedo tubes, Nulka anti-ship missile defence system
Aircraft: Able to carry 2 x S-70B-2 Seahawk helicopters
Crew: 210

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| 01 ADELAIDE |
| 03 SYDNEY |
| 04 DARWIN |
| 05 MELBOURNE |
| 06 NEWCASTLE |



CLEARANCE DIVING TEAMS

The Royal Australian Navy (RAN) established its Clearance Diving Branch in 1951 and adopted the motto: UNITED and UNDAUNTED. The introduction of the Clearance Diving Breathing Apparatus (CBDA) in the 1955 marked the true beginning of the clearance diver and the start of an era for the new branch.

Since then the RAN Clearance Diving Branch has kept up with world diving technology. The equipment used is state of the art and their techniques are regarded as world leading.

The RAN has two operational Australian Clearance Diving Teams (AUSCDTs) which incorporate local Australian Naval Reserve (ANR) divers. AUSCDT ONE is based at HMAS *Waterhen* in Sydney and AUSCDT FOUR is based at HMAS *Stirling* in Western Australia.



NEWPORT CLASS AMPHIBIOUS LANDING SHIPS (LPA)

LANDING PLATFORM AMPHIBIOUS (LPA)

Displacement: 8534 tonnes (full)
Length: 168 metres
Beam: 21.2 metres
Main Machinery: 6 x 16v ALCO 251C diesel engines, 1000 RPM driving two shafts.
Speed: 20 Knots
Armament: 1 x 20mm Vulcan Phalanx close in weapons system
 2 x .50 calibre Browning machine guns
Crew: 220 Crew, 20 ships Army detachment plus up to 400 embarked forces
Capability: 2 x LCMB landing craft
 4 x Army Black Hawk or
 3 x Sea King helicopters
 1 x Army Chinook Helicopter

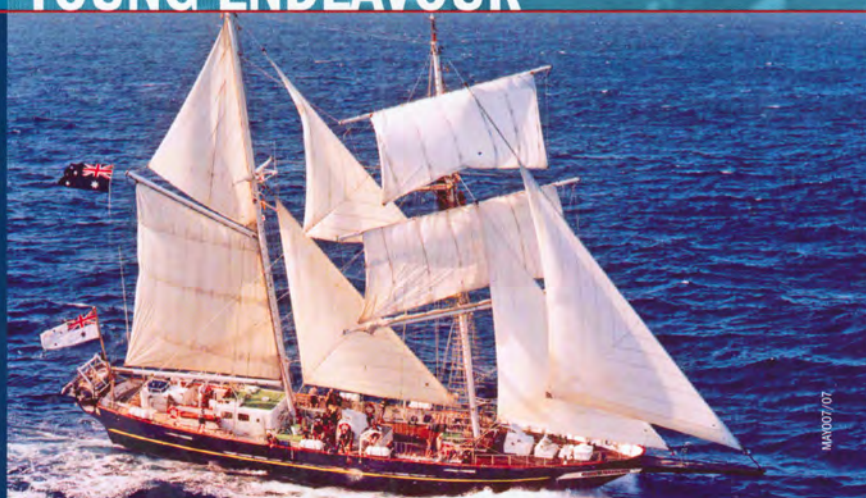
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| L51 KANIMBLA |
| L52 MANDORA |



SAIL TRAINING SHIP YOUNG ENDEAVOUR

STS YOUNG ENDEAVOUR

Displacement: 239 tonnes
Length: 44 metres (overall)
 Length on deck 35 metres
Beam: 7.8 metres
Rig: Brigantine
Total sail area: 740.6 square metres
Machinery: 2 x 215 h.p turbo-charged diesel engines, twin fixed pitch 0.8m diameter propellers
 2 x 40 KVA diesel generators
Speed: Under sail 14 knots maximum
 Under power 10 knots maximum
Crew: 9 RAN members and 24 trainees



DURANCE CLASS UNDERWAY REPLENISHMENT SHIP (AOR)

AUXILIARY OILER REPLENISHMENT (AOR)

Displacement: 17 933 tonnes (full)
Length: 157.2 metres
Beam: 21.2 metres
Main Machinery: Two independent propulsion systems, each consisting of a 16 PC 2.5V Pielstick on-reversing medium speed diesel engine, developing 7,640 kw at 520 RPM
Speed: 20 knots (full load)
Armament: 2 x 20mm Phalanx Close In Weapon Systems
 3 x 40/60mm Bofors guns, two fwd, one aft
 4 x .50 calibre Browning machine guns
 1 x utility helicopter
Crew: 205



SIRIUS CLASS AUXILIARY OILER (AO)

SIRIUS CLASS AUXILIARY OILER (AO)

Displacement: 25,016 tonnes

Length: 183.22 metres

Beam: 32.2 metres

Draught: 11 metres

Main Machinery: 1 x 6 cylinder Hyundai man B + W Mariner Diesel
1 x Direct Drive Shaft

Speed: 15.2 knots

Crew: 60



LEEWIN CLASS HYDROGRAPHIC SURVEY SHIPS (AGS)

HYDROGRAPHIC SURVEY SHIPS (AGS)

Displacement: 2550 tonne

Length: 71.1 metres

Beam: 15.2 metres

Main Machinery: Four Ruston diesel generators, two electric propulsion motors

Cruising Speed: in excess of 12 knots

Aircraft: 1 x Squirrel Helicopter as required

Crew: 46 Officers & Sailors

A245 LEEWIN
A246 MELVILLE



MODIFIED SIR BEDIVERE CLASS HEAVY LANDING SHIP (LSH)

LANDING SHIP HEAVY (LSH)

Displacement: 5,800 tonnes (full)

Length: 126 metres

Beam: 18 metres

Main Machinery: Mirriees Blackstone KDMRS diesel

Speed: 18 knots

Armament: 2 x 40/60 Bofor guns
2 x .50 calibre Browning machine guns

Aircraft: Capable of carrying two Sea King helicopters.

Landing Craft: Two LCVP on davits, two LCM-8s as deck cargo

Crew: 144 plus up to 520 embarked troops



PALUMA CLASS SURVEY MOTOR LAUNCH (SML)

PALUMA CLASS SURVEY MOTOR LAUNCH (SML)

Displacement: 320 tonnes (full load)

Length: 36.6m overall

Beam: 13.7 m

Main Machinery: Twin Detroit V12 diesels

Speed: 12 knots

Crew: 14

01 PALUMA
02 MERMAID
03 SHEPPARTON
04 BENALLA



COLLINS CLASS SUBMARINES (SSG)

COLLINS CLASS SUBMARINES (SSG)

Displacement: 3350 tonnes (submerged)
3050 tonnes (surfaced)

Length: 77.8 metres

Beam: 7.8 metres

Main Machinery: Diesel Electric. One 5.4 MW Jeumont Schneider main motor; three Hedemora VB 210 18 Cylinder diesels; three Jeumont Schneider generators; single shaft.

Speed: In excess of 20 knots (submerged). In excess of 10 knots (surfaced or snorting).

Armament: Six forward tubes for Mk48 wireguided torpedoes and Sub Harpoon missiles

Crew: 42 (6 officers and 36 sailors) plus trainees

73 COLLINS
74 FARNCOMB
75 WALLER
76 DECHAINIEUX
77 SHEEAN
78 RANKIN



LASER AIRBORNE DEPTH SOUNDER (LADS) FLIGHT

LASER AIRBORNE DEPTH SOUNDER

Aircraft: Fokker F27-500

Maximum Weight: 20 tonnes

Maximum Speed: 220 knots

Survey Speed: 145 knots

Endurance: In excess of 7 hours

Crew: 2 pilots and 2 flight system operators



ARMIDALE CLASS PATROL BOATS (ACPB)

ARMIDALE CLASS PATROL BOATS (ACPB)

Displacement: 300 tonnes

Length: 56.8 metres

Beam: 9.5 metres

Main Machinery: 2 x MTU 16V 4000 M70 Diesels, 2 x Shafts

Power: 2 x 2320 kW (2 x 3,110 hp)

Speed: 25 knots

Armament: 1 x 25mm cannon, 2 x 12.7mm heavy duty machine guns

Crew: 21 (+ extra accommodation for 20)

83 ARMIDALE
84 LARRAKIA
85 BATHURST
86 ALBANY
87 PIRIE
88 MAITLAND
89 ARARAT
90 BROOME



91 BUNDABERG
92 WOLLONGONG
93 CHILDERS
94 LAUNCESTON
95 GLENELG
96 MARYBOROUGH

BALIKPAPAN CLASS HEAVY LANDING CRAFT (LCH)

LANDING CRAFT HEAVY (LCH)

Displacement: 316 tonnes

Length: 44.5 metres

Beam: 10.1 metres

Main Machinery: 2 x GM diesel engines

Speed: In excess of 9 knots

Armament: 2 x .50 calibre Browning machine guns

Crew: 13

126 BALIKPAPAN
127 BRUNEI
128 LABUAN
129 TARAKAN
130 WEWAK
133 BETANO



HUON CLASS COASTAL MINEHUNTERS (MHC)

HUON CLASS COASTAL MINEHUNTERS (MHC)

Displacement: 720 tonnes full load

Length: 52.5 metres

Beam: 9.9 metres

Speed: 14 knots

Propulsion: 1 x 1460kw Fincantieri GMT diesel (single shaft)
3 x 124kw electro hydraulic motors for minehunting operations

Armament: 1 x 30mm DS30B rapid fire cannon, 2 x .50 calibre (12.7mm) Browning machine guns

Mine Disposal System: 1. SUTEC Double Eagle Mk 2 Mine Disposal Vehicle (MDV), with DAMDC mine disposal charge 2. ADI double Orpesa mechanical sweep Sonar. GEC - Marconi type 2093 Variable Depth Sonar (VDS)

Crew: 38 plus 11 spare/training berths

M82 HUON
M83 HAWKESBURY
M84 NORMAN
M85 GASCOYNE
M86 DIAMANTINA
M87 YARRA



805 SQUADRON SH-2G(A) SUPER SEASPRITE

SH-2G(A) SUPER SEASPRITE

In service: 11

Length: 16 metres (rotors spread)

Height: 4.6 metres

Width: 13.5 metres (rotors spread)

Weight: 6440 kg

Engines: Two 1723 shp GE T-700 Turboshaft

Speed: 150 knots maximum

Range: 540 nm

Armament: 2 x Kongsberg AGM119 Mk2, Mod 7 "Penguin" anti-ship missiles, 4 x Mk46 torpedoes, 4 x ADI Mk11 Depth Charges, 1x MAG58, 7.62mm Machine Gun

Crew: 2 (pilot and tactical officer), 5 passengers

