

Project 945 Barrakuda (NATO name Sierra I)

Last update: June 2011

Displacement, metric tons	5,200-7,600 surfaced, 9,100-10,400 submerged
Dimensions, ft (m)	370 x 36.7 x 28, (112.7 x 11.2 x 8.5)
Main machinery	One VM-5 190 MW reactor; one OK-650B 50,000 hp steam turbine
Speed, knots	14-18 surfaced, 32.8-36 dived
Complement	31-32 officers and 28-38 crew
Diving depth, ft (m)	2,000-2,625, (610-800)
Endurance	50-100 days
Weapons	P-100 Oniks (NATO designation SS-N-22 Sunburn) ASW missiles; RPK-6 Vodopad and Type 86R Vodopad (NATO designation SS-N-16 Stallion) ASW missiles; Type 40 torpedoes fired from four 21" (533 mm) tubes and four 25.6" (650 mm) tubes (total of 40 weapons, or 42 mines in lieu of torpedoes).
Comments	The K-534 <i>Nizhniy Novgorod</i> completed a refit/refuel in May 2008.

Sources:

- [1] Yuriy Apalkov, *Podvodnyye lodki*, vol. 1, part 1 "RPKSN i mnogotselevyye PL" (St. Petersburg: Galea Print, 2002).
- [2] Yuriy Apalkov, *Podvodnyye lodki*, vol. 1, part 2 "Mnogotselevyye PL i PL spetsnaznacheniya" (St. Petersburg: Galea Print, 2003).
- [3] S.S. Berezhnoy, *Atomnyye podvodnyye lodki: VMF SSSR i Rossii* (Moscow: Naval Kolleksiya, 2001).
- [4] V. Demyanovskiy et al, *Podvodnyy shchit SSSR*, vol. 1 "Atomnyye mnogotselevyye podvodnyye lodki" (Rybnisk: Star, 2003).
- [5] *Jane's Fighting Ships (2004-2005)*, p. 593.

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