

MCRP 3-31B

Amphibious Ships and Landing Craft Data Book



U.S. Marine Corps

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Unless otherwise stated, whenever the masculine gender is used, both men and women are included.

DEPARTMENT OF THE NAVY
United States Marine Corps
Washington, DC 20380-1775

29 August 2001

FOREWORD

PURPOSE

Marine Corps Reference Publication (MCRP) 3-31B, *Amphibious Ships and Landing Craft Data Book*, is for use in planning where generalized capabilities and measurements are required. In planning for operations where exact capabilities and figures are required, the individual ship's loading characteristics pamphlet (SLCP) must be consulted.

SCOPE

The information contained in this MCRP was obtained from the individual SLCPs and from the Naval Sea Systems Command. The data is based on class averages. No broken stowage factors have been applied to square footage in embarked landing craft.

SUPERSESION

This book supersedes Fleet Marine Force Reference Publication (FMFRP) 1-18, *Amphibious Ships and Landing Craft Data Book*, dated 6 August 1991.

CERTIFICATION

Reviewed and approved this date.

BY DIRECTION OF THE COMMANDANT OF THE MARINE CORPS

EDWARD HANLON, JR.
Lieutenant General, U.S. Marine Corps
Commanding General
Marine Corps Combat Development Command

DISTRIBUTION: 144 000103 00

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Amphibious Command Ship *USS Blue Ridge (LCC-19) Class*



USS Mount Whitney (LCC-20) Pictured

Mission

The assigned mission of the amphibious command ship (LCC) is to function as the command ship for a joint task force as the command, control, communications, computers, and intelligence (C4I) platform, or for a naval component commander; numbered fleet commander; commander, amphibious task force (CATF); Marine expeditionary force (MEF).

General Comments

This ship is designed primarily to fulfill command and control requirements for surface, subsurface, and air units engaged in amphibious assaults.

The *USS Blue Ridge (LCC-19)* is distinctive in appearance. The ship can communicate in frequency ranges from high frequency to super high frequency, including two satellite systems for high speed/high volume communication links. The various internal command areas are highly automated to monitor and process information regarding the progress of an amphibious operation. This is the only class of ship designed from its hull up to support the command and control needs of the CATF; commander, landing force (CLF); and tactical air control center (TACC).

General Information

Length (overall)	620 feet
Beam	180 feet
Displacement (light load)	16,100 tons
Displacement (full load)	18,646 tons
Draft (full load)	29 feet
Main engine (geared turbine)	1
Boilers	2
Shaft	1
Shaft horsepower	22,000
Speed	23 knots
Range at 16 knots	13,000 nautical miles
Staff accommodations	217
Crew accommodations	774
Ship's chaplain	Yes

Landing Force Lift General Information

Officer accommodations	56
Enlisted accommodations (E-7)	42
Enlisted accommodations (E-6 and below)	111
Vehicle square	3,015 square feet
Cargo cube	2,175 cubic feet
Helicopter landing spot	1
JP-5	123,510 gallons

Command and Control Systems

Combat Information Center	Yes
Integrated Tactical Amphibious Warfare Data System	No
Ship's Signals Exploitation Space	Yes
Flag Plot	Yes
Landing Force Operations Center	Yes
Joint Intelligence Center	Yes
Supporting Arms Coordination Center	Yes

Command and Control Systems (Continued)

Tactical-Logistical Group	No
Helicopter Logistics Support Group	Yes
Helicopter Direction Center	Yes
Helicopter Coordination Section	Yes
Tactical Air Control Center	Yes

Organic Craft

Landing craft, personnel, large (LCPL)	2
Utility boat	1

Weapons

Phalanx Close-in Weapon System (CIWS)
MK-38 25mm Machine Gun
M-2 .50 caliber Heavy Machine Gun (HMG)
MK-36 Chaff Rocket Super Rapid Booming Offboard Chaff (SRBOC) Launcher

Ships in Class

Hull Number	Ship's Name	Home Port
LCC-19	<i>USS Blue Ridge</i>	Yokosuka, Japan
LCC-20	<i>USS Mount Whitney</i>	Norfolk, VA