★ 2002 ★ THE YEAR OF CLEAN WATER
Celebration & Recommitment

NOAA encourages users to submit inquiries, discrepancies or comments about this chart at http://www.nauticalcharts.noaa.gov/staff/contact.htm.

Formerly C&GS 6163, 1st Ed., Apr. 1960 KAPP 1767

SOUNDINGS IN FEET

18541

SCALE 1:20,000
Nautical Miles
Statute Miles
Yards
Meters

McNary Dam Navigation Lock Regulations 207.718 (see note A)

HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83) which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.524" southward and 4.045" westward to agree with this chart.

UNITED STATES - WEST COAST
OREGON - WASHINGTON

COLUMBIA RIVER - McNARY DAM TO JUNIPER

Mercator Projection
Scale 1:20,000 at Lat. 45°56'
North American Datum of 1983
(World Geodetic System 1984)
SOUNDINGS IN FEET

Soundings above the dam refer to normal pool elevation, which is 340 feet above mean sea level.

JOINS CHART 18539

JOINS PANEL BELOW

Plymouth

(use chart 18539)

FIXED BRIDGES OVHD PWR CABLE

LOCK WIDTH 86 FT LENGTH 675 FT

BASCULE BRIDGE HOR CL 86 FT VERT CL 15 FT

Lake level gauge

McNARY DAM

RESTRICTED AREA 207.718 (see note A)

Fl G 4s 12ft 4M "1"

R"2" Fl R 4s

Fl Y 6s Priv

M 305

Ruah Canyon

Berrian

Swizler Canyon

Pond

Ponds

Slaw Canyon

JUNIPER Fl G 4s 29ft 4M "13"

Fl R 4s 80ft 4M "14"

Juniper

Juniper Canyon

LAKE WALLULA

Boat Canyon

Rep 1978 Hamp

Hat Rock

Boat Rock

Hat Rock State Park

Fl R 6s 17ft 6M "4"

Rock Area

Shoaling reported 1978

Sht rep 1978

Rep Area

Cold Springs Junction

UMATILLA

UMATILLA RIVER

TOWER

TANK

McNary

Canal

Ditch

(use chart 18539)

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 7. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 13th Coast Guard District in Seattle, Washington or at the Office of the District Engineer, Corps of Engineers in Seattle, Washington.
Refer to charted regulation section numbers.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the U. S. Coast Guard, Geological Survey, and the Corps of Engineers.

CAUTION
The depths of water within the Pool area have been determined from condtions existing prior to the filling of the Pool. Shoaler depths than charted may exist within the blue tinted areas particularly near the shoreline.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 7 for important supplemental information.

SOURCE
US Government Surveys

SOURCE DIAGRAM
The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

VAR 17°15'E (2002)
ANNUAL DECREASE 6'
MAGNETIC

KAPP 1768

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

PLANE COORDINATE GRID
(based on NAD 1927)
Washington State Grid, south zone, is indicated by dashed ticks at 5000 foot intervals. The last 3 digits are omitted.

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

NOAA VHF-FM WEATHER BROADCASTS
The National Weather Service station listed below provides continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.

Pendleton, OR	WXL-95	162.55 MHz

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)
Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical	G green	Mo morse code	R TR radio tower
Al alternating	IQ interrupted quick	N nun	Rot rotating
B black	Iso isophase	OBSC obscured	s seconds
Bn beacon	LT HO lighthouse	Oc occulting	SEC sector
C can	M nautical mile	Or orange	St M statute miles
DIA diaphone	m minutes	Q quick	VQ very quick
F fixed	MICRO TR microwave tower	R red	W white
Fl flashing	Mkr marker	Ra Ref radar reflector	WHS whistle
		R Bn radiobeacon	Y yellow

Bottom characteristics:

Blds boulders	Co coral	gy gray	Oys oysters	so soft
bk broken	G gravel	h hard	Pk rock	Sh shells
Cy clay	Grs grass	M mud	S sand	sy sticky

Miscellaneous:

AUTH authorized	Obstn obstruction	PD position doubtful	Subm submerged
ED existence doubtful	PA position approximate	Rep reported	

⚓ Wreck, rock, obstruction, or shoal swept clear to the depth indicated.
(2) Rocks that cover and uncover, with heights in feet above datum of soundings.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

HEIGHTS
Heights in feet above Mean High Water.

COLUMBIA RIVER
Mileage distances along the Columbia River are in Statute Miles. Distances along the Columbia River are eastward from the mouth and are indicated thus: ——
Tables for converting Statute Miles to International Nautical Miles are given in U.S. Coast Pilot 7.

SCALE 1:20,000
Nautical Miles
Statute Miles
Yards
Meters
Latitude
Longitude

18541
8th Ed., Mar. 2002. Last Correction: 10/26/2016. Cleared through:
LNM: 4816 (11/29/2016), NM: 5016 (12/10/2016), CHS: 1116 (11/25/2016)

To ensure that this chart was printed at the proper scale, the line below should measure six inches (152 millimeters).
If the line does not measure six inches (152 millimeters), this copy is not certified safe for navigation.

CAUTION
This chart has been corrected from the Notice to Mariners published weekly by the National Imagery and Mapping Agency and the Local Notice to Mariners issued periodically by each U.S. Coast Guard district to the date shown in the lower left hand corner.

SOUNDINGS IN FEET

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

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