HORIZONTAL AND VERTICAL CONTROL

RM-116-01
N 471,696.49
E 2,789,532.45
ELEV. 745.33

RM-116-03
N 470,022.40
E 2,806,568.79
ELEV. 744.94

RM-116-02
N 469,646.65
E 2,802,866.22
ELEV. 748.42

BM F-419
N 471,709.48
E 2,797,621.69
ELEV. 747.36

N

RM 116 DREDGED MATERIAL DISPOSAL SITE

0' 200' 400'
SCALE IN FEET

NOTES

1. A MULTIBEAM BATHYMETRIC SURVEY OF THE SNAKE RIVER RM 116 DREDGED MATERIAL DISPOSAL SITE WAS CONDUCTED BY TERRASOND LIMITED ON AUGUST 25-27, 2016
2. HORIZONTAL DATUM IS NAD27, PROJECTION IS WASHINGTON STATE PLANE SOUTH, VERTICAL DATUM IS NGVD29. ALL UNITS ARE IN US SURVEY FEET
3. HORIZONTAL AND VERTICAL POSITIONING WAS PROVIDED BY A REAL-TIME KINEMATIC (RTK) GPS. CORRECTIONS WERE BROADCAST FROM A LOCAL BASE STATION USING A TRIMBLE R8 GPS RECEIVER ON CONTROL POINT RM-116-03
4. BATHYMETRIC DATA COLLECTION WAS CONDUCTED USING AN R2 SONIC 2024 MULTIBEAM ECHOSOUNDER, CODA OCTOPUS F185+ INERTIAL NAVIGATION SYSTEM, AML MINOS-X SOUND VELOCITY PROFILER, AND QPS QINSY V8.1 ACQUISITION SOFTWARE. DATA WAS PROCESSED USING CARIS HIPS V9.0
5. CONTOURS SHOWN HEREON WERE GENERATED FROM A 5-FOOT HORIZONTAL RESOLUTION DATASET USING INVERSE WEIGHTED MEAN OF ALL SOUNDINGS WITHIN A 5-FOOT X 5-FOOT CELL
6. PLOTTED SOUNDINGS REPRESENT THE SHALLOWEST DETECTED DEPTH IN A 3-FOOT BY 3-FOOT CELL. A SHOAL-BIASED SORT OF THE SOUNDINGS WAS PERFORMED USING A 50-FOOT SORT RADIUS
7. THIS MAP REPRESENTS CONDITIONS AT THE TIME OF THE SURVEY
8. CHANNEL DEPTH IS DESIGNED AT 14 FEET BELOW MINIMUM OPERATING POOL ELEVATION OF 733 FEET. THE DATA REPRESENTED IN RED INDICATES MATERIAL BUILD-UP ABOVE THE DESINGED CHANNEL DEPTH.

US Army Corps of Engineers
Walla Walla District

Symbol	Description	Date	Appr.	Symbol	Description	Date	Appr.

DESIGNED BY: MEYER
DWN BY: L LINDBLAD
CHKED BY: K MILDON
SUBMITTED BY:
DATE: 21 OCTOBER 2016
TASK ORDER NO. 02
CONTRACT NO. W912EF-16-D-0004
FILE NO.:

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
WALLA WALLA, WASHINGTON

TERRASOND
FIELD OFFICE: 1000 N. 1st AVE. PASCO, WA 99301
BIS NAVIGATION STREET, SUITE 215, SEATTLE, WA 98107
WWW.TERRASOND.COM (CORPORATE)

LOWER GRANITE LOCK AND DAM
SNAKE RIVER, OREGON, WASHINGTON AND IDAHO

W912EF-16-D-0004, T.O. NO. 02

RM 116
DREDGED MATERIAL DISPOSAL SITE
MULTIBEAM BATHYMETRIC SURVEY

Plate number:
V-001

Sheet 1 of 3

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DATE AND TIME PLOTTED: 11/15/2016 9:34:49 AM