

NOTE:  
 SOUNDINGS ARE IN FEET AND TENTHS AND SHOW ELEVATIONS AT APPROXIMATE LOW WATER STAGE. (110 AND 115 FEET WATER BUREAU GAGE AT BUREAU, EL. 113.87 - M.S.L.)  
 FIGURES IN PARENTHESES (11.7) SHOW HEIGHT ABOVE LOW WATER. ELEVATIONS ARE REFERRED TO MEAN SEA LEVEL (U.S.C.G.S. DATUM 1929 ADJUSTMENT.)  
 CONTOUR INTERVAL IS 10 FEET.  
 5 FOOT DEPTH CURVE SHOWN THUS: .....  
 5 FOOT DEPTH CURVE SHOWN THUS: .....  
 CENTER LINE OF PROPOSED CHANNEL, SHOWN THUS: .....  
 EXCESSIVE IN WIDE FROM MOUTH OF RIVER BRANCHED ON CENTER LINE OF PROPOSED CHANNEL SHOWN THUS: (12)

**SNAKE RIVER, WASHINGTON - IDAHO  
 MOUTH TO OREGON - WASHINGTON LINE  
 REVIEW REPORT**

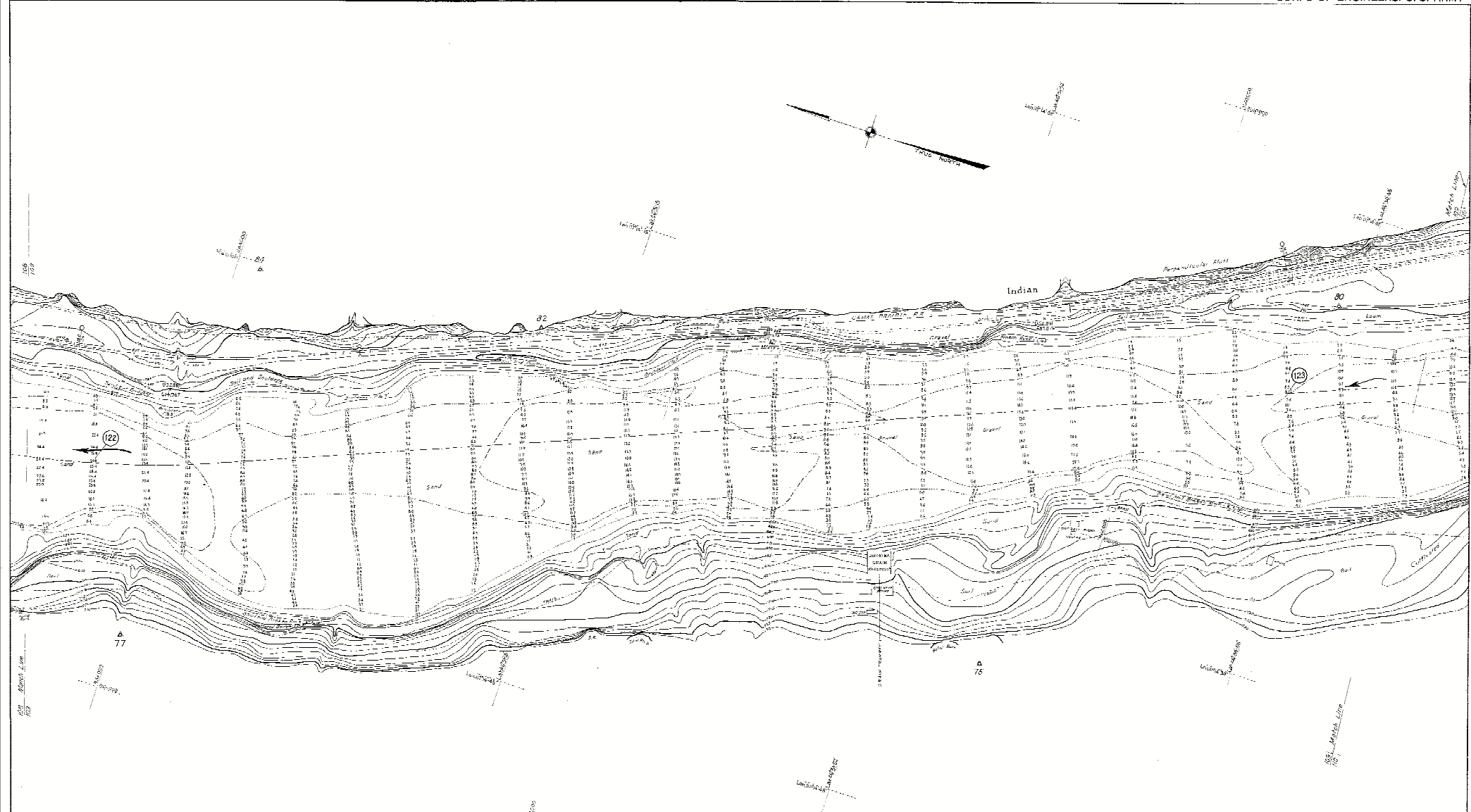
1184 SHEETS SCALE 1:2,000 SHEET NO. 108

U. S. ENGINEER OFFICE, PORTLAND, OREGON, 1934.

Submitted: *Allen W. D. ...* Approved: *W. H. ...*  
 Associate Engineer Major, Corps of Engineers

SN-1-4/109  
 H-9-2/108

Drawn by LSKR RLFY Transmitted with report dated June 16, 1934



NOTE:  
 DIMENSIONS ARE IN FEET AND TENTHS AND SHOW DIMENSIONS AT AVERAGE  
 LOW WATER STAGE, 100 ON U. S. WEATHER BUREAU GAGE AT MINIMA,  
 EL. 512.05' M. S. L.  
 FIGURES IN PARENTHESES SHOW ELEVATION ABOVE LOW WATER.  
 ELEVATIONS ARE REFERRED TO MEAN SEA LEVEL (1929) DATUM 1000  
 ADJUSTMENT.  
 CONTOUR INTERVAL, 5 FEET.  
 5 FOOT DEPTH CURVE SHOWN THUS: .....  
 5 FOOT DEPTH CURVE SHOWN THUS: .....  
 CENTER LINE OF PROPOSED CHANNEL SHOWN THUS: .....  
 DISTANCE IN MILES FROM MOUTH OF RIVER MEASURED ON CENTER LINE OF  
 PROPOSED CHANNEL SHOWN THUS: (12)

**SNAKE RIVER, WASHINGTON - IDAHO  
 MOUTH TO OREGON - WASHINGTON LINE  
 REVIEW REPORT**

IN 54 SHEETS SCALE 1:2,000 SHEET NO. 109

U. S. ENGINEER OFFICE, PORTLAND, OREGON, 1934.

Submitted: *Wm. L. Barr* Approved: *William*  
 Associate Engineer Master, Corps of Engineers

Drawn by J.M.N. R.C.V. Transmitted with report dated June 10, 1935

SN-1-6/110  
 11-9 2/109



NOTE:  
 SOUNDINGS ARE IN FEET AND TENTHS AND SHOW DEPTHS AT ADOPTED LOW WATER STAGE 1.00 ON U. S. WEATHER BUREAU GAGE AT PUSKAS, W. W. 1855 (M. S. L.).  
 FIGURES IN PARALLELS THUS (11) SHOW HEIGHT ABOVE LOW WATER. ELEVATIONS ARE REFERRED TO MEAN SEA LEVEL (U.S.C.G.S. DATUM 1929 ADJUSTMENT).  
 CONTOUR INTERVAL 5 FEET.  
 5 FOOT DEPTH CURVE SHOWN THUS: \_\_\_\_\_  
 3 FOOT DEPTH CURVE SHOWN THUS: \_\_\_\_\_  
 CENTER LINE OF PROPOSED CHANNEL SHOWN THUS: \_\_\_\_\_  
 DISTANCE IN MILES FROM MOUTH OF RIVER MEASURED ON CENTER LINE OF PROPOSED CHANNEL SHOWN THUS: (126)

**SNAKE RIVER, WASHINGTON - IDAHO**  
**MOUTH TO OREGON - WASHINGTON LINE**  
 REVIEW REPORT

INIS4SHEETS SCALE 1:2,000 SHEET NO. 110

U. S. ENGINEER OFFICE, PORTLAND, OREGON, 1934.

Submitted: *Alton L. Barr* Approved: *H. Williams*  
 Assistant Engineer Major, Corps of Engineers

Drawn by 1415 RSV Transmitted with report dated June 10, 1935

SN-1-4711  
H-9-2/110



NOTE:  
 SHOWINGS ARE IN FEET AND LENGTHS AND WIDTHS GIVEN AS ADJUSTED  
 FROM WATER GAUGE 100 ON U. S. WEATHER BUREAU GAGE AT HERRICK,  
 EV. 2025 M. S. L. 1  
 FIGURES IN PARENTHESSES SHOW HEIGHT ABOVE LOW WATER  
 ELEVATIONS ARE REFERRED TO MEAN SEA LEVEL 1929 C.E.S. DATUM FROM  
 ADJUSTMENT 1  
 CONTOUR INTERVAL 2 FEET  
 6 FOOT DEPTH CURVE SHOWN THIN  
 10 FOOT DEPTH CURVE SHOWN THICK  
 CENTER LINE OF PROPOSED CHANNEL SHOWN THIN  
 DISTANCE IN FEET FROM MOUTH OF RIVER MEASURED ON CENTER LINE OF  
 PROPOSED CHANNEL SHOWN THIN (15)

**SNAKE RIVER, WASHINGTON - IDAHO MOUTH TO OREGON - WASHINGTON LINE REVIEW REPORT**

1194 SHEETS SCALE 1:2,000 SHEET NO. 111

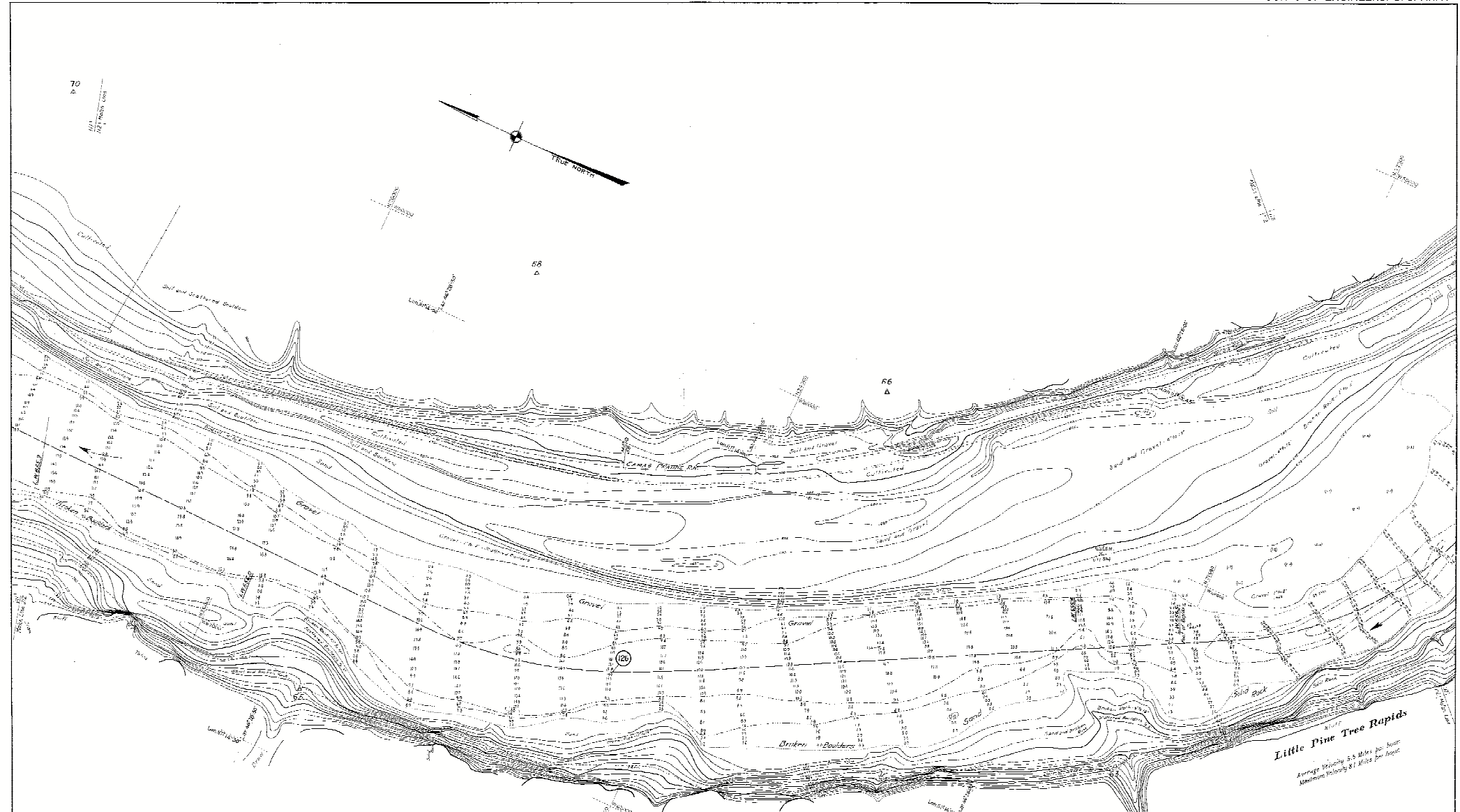
U. S. ENGINEER OFFICE, PORTLAND, OREGON, 1934.

Submitted: *Wm. T. Rice* Associate Engineer  
 Approved: *W. H. McCallister* Major, Corps of Engineers

Drawn by J.M.S. R.G.V. Transmitted with report dated June 10, 1935

SN-1-4/112  
 H-9-2/111





Note:  
 Contour lines are in feet and tenths and show depths in assumed low water stage, such as on U. S. Weather Bureau gage at RAINIER, N. W. 1005 M. A. L.  
 Figures in parentheses thus (12.2) show height above low water. ELEVATIONS ARE REFERRED TO MEAN SEA LEVEL. DEGREE, DATUM AND ADJUSTMENT.  
 CONTOUR INTERVAL: 5 FEET.  
 8 FOOT CLITCH LEVEL SHOWN THUS: \_\_\_\_\_  
 5 FOOT CLITCH LEVEL SHOWN THUS: \_\_\_\_\_  
 CLITCH LINE IN HYPOTHETICAL CHANNEL SHOWN THUS: \_\_\_\_\_  
 DISTANCE IN MILES FROM MOUTH OF RIVER MEASURED ON CLITCH LINE OF PROPOSED CHANNEL SHOWN THUS: (16)

**SNAKE RIVER, WASHINGTON - IDAHO**  
**MOUTH TO OREGON - WASHINGTON LINE**  
 REVIEW REPORT  
 1154 SHEETS SCALE 1:2,000 SHEET NO. 112  
 U. S. ENGINEER OFFICE, PORTLAND, OREGON. 1934.  
 Submitted: *Allen W. Barr* Approved: *W. H. Williams*  
 Assistant Engineer Major, Corps of Engineers  
 Drawn by J.M.B. R.C.V. Transmitted with report dated June 16, 1935.

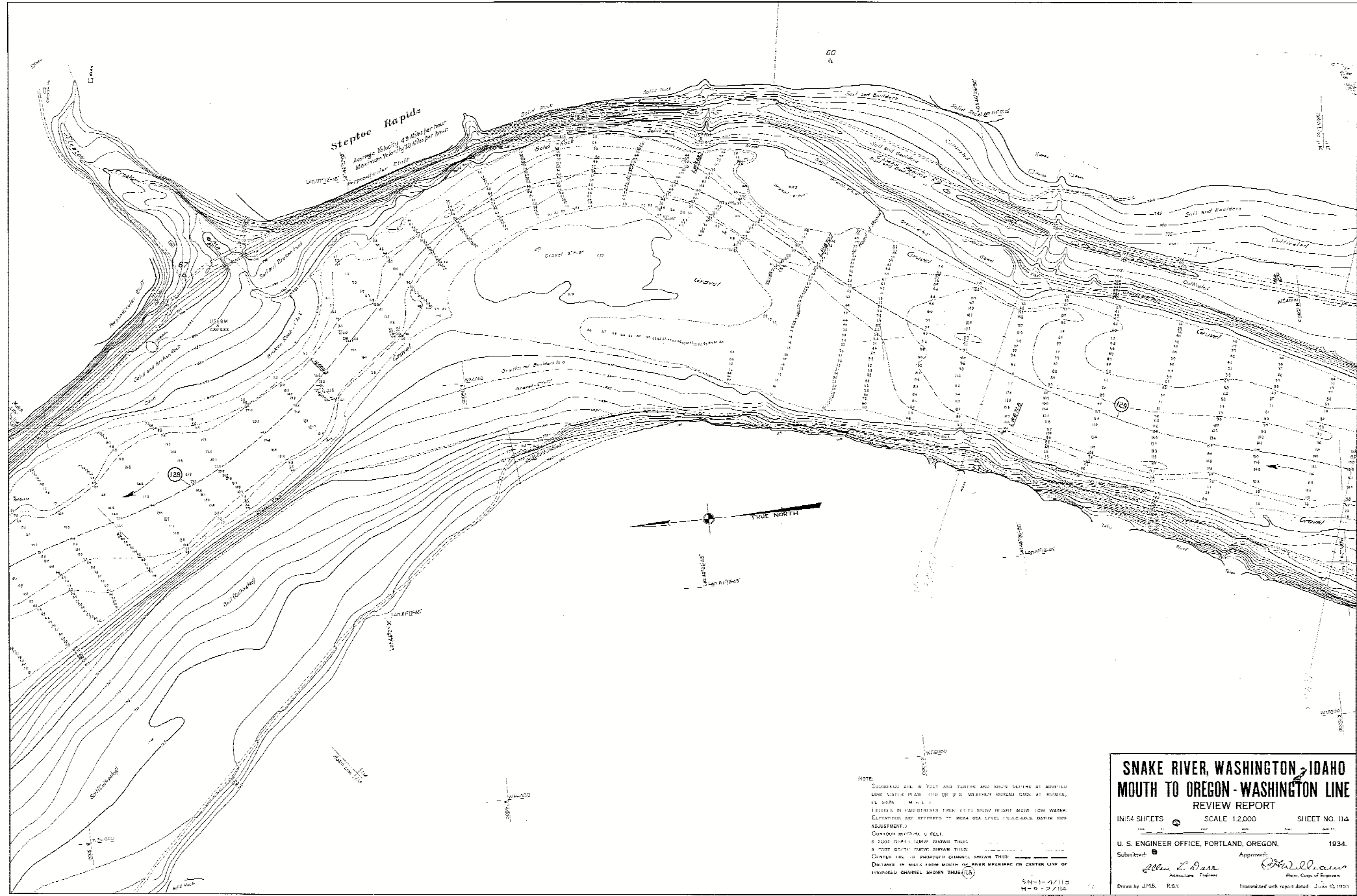


**Little Pine Tree Rapids**  
 Average Velocity 5.3 Miles per hour  
 Maximum Velocity 8.1 Miles per hour

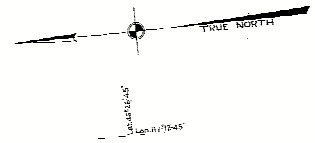
**NOTE:**  
 SOUNDINGS ARE IN FEET AND TENTHS AND SHOW IN FORM OF ADOPTED LOW WATER PLANE (SEE ON U.S. WEATHER BULLETIN CARD AT REPT. BY 5525 U.S.G.)  
 FIGURES IN PARENTHESIS SHOW 1921 SHOW HEIGHT ABOVE LOW WATER  
 FT. ELEVATIONS AND DEPRESSIONS TO MEAN SEA LEVEL (U.S.G.C.S. DATUM 1886 ADJUSTMENT)  
 CURVATURE INTERVAL 5 FEET  
 RADIUS OF CURVE SHOWN THIS: .....  
 R 40 FT. CURVE SHOWN SHOWN THIS: .....  
 CENTER LINE OF PROPOSED CHANNEL SHOWN THIS: .....  
 CHANNEL IN FEET FROM MOUTH OF RIVER MEASURED ON CENTER LINE OF PROPOSED CHANNEL SHOWN THIS (12)

**SNAKE RIVER, WASHINGTON - IDAHO MOUTH TO OREGON - WASHINGTON LINE**  
 REVIEW REPORT  
 IN 5A SHEETS SCALE 1:2,000 SHEET NO. 113  
 U. S. ENGINEER OFFICE, PORTLAND, OREGON, 1934  
 Submitted: *Alvin E. Barr* Approved: *Chas. H. Lewis*  
 Associate Engineer Major, Corps of Engineers  
 Drawn by JMR, RBY Transmitted with report dated June 10, 1935

55-1-4/114  
 11-2-2/113



**Steptoe Rapids**  
 Average Velocity 49 Miles per hour  
 Maximum Velocity 78 Miles per hour  
 Perpendicular Drop



**NOTE.**  
 SOUNDING DATA IN FEET AND TENSIVE AND SHOT DATA AT APPROXIMATE  
 LOW WATER STAGE FROM 1910 ON U. S. WEATHER SERVICE GAUGES AT RIVER,  
 EL. 5000 M. S. L.  
 RESULTS IN FATHOMS (FROM 1:25) SHOWN RIGHT SIDE; LOW WATER  
 ELEVATIONS AND DEPTHS TO MEAN SEA LEVEL (1922 ADJ.) SHOWN LEFT  
 (ADJUSTMENT)  
 CONTOUR INTERVAL 5 FEET.  
 5 FOOT (1:25) CONTOUR SHOWN THIN  
 2 FOOT (1:50) CONTOUR SHOWN THICK  
 CENTER LINE OF PROPOSED CHANNEL SHOWN THUS  
 DISTANCE IN FEET FROM MOUTH OF RIVER MEASURED ON CENTER LINE OF  
 PROPOSED CHANNEL SHOWN THUS (1:25)

**SNAKE RIVER, WASHINGTON - IDAHO**  
**MOUTH TO OREGON - WASHINGTON LINE**  
 REVIEW REPORT

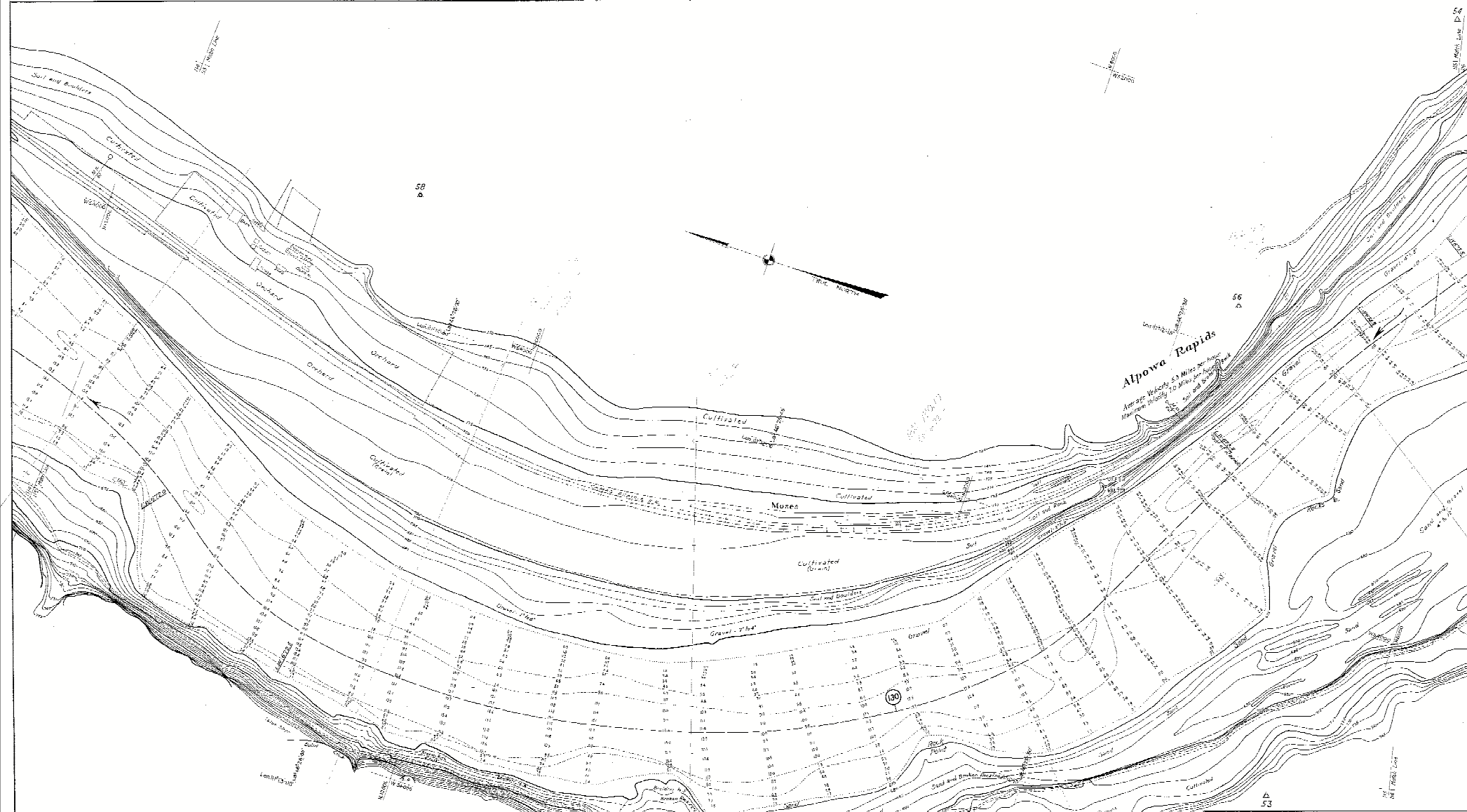
IN 54 SHEETS SCALE 1:2,000 SHEET NO. 114

U. S. ENGINEER OFFICE, PORTLAND, OREGON, 1934.

Submitted: *Wm. L. Barr* Approved: *W. L. Barr*  
 Associate Engineer Major Corps of Engineers

Drawn by J.M.B. R.G. Transmitted with report dated July 15, 1934.

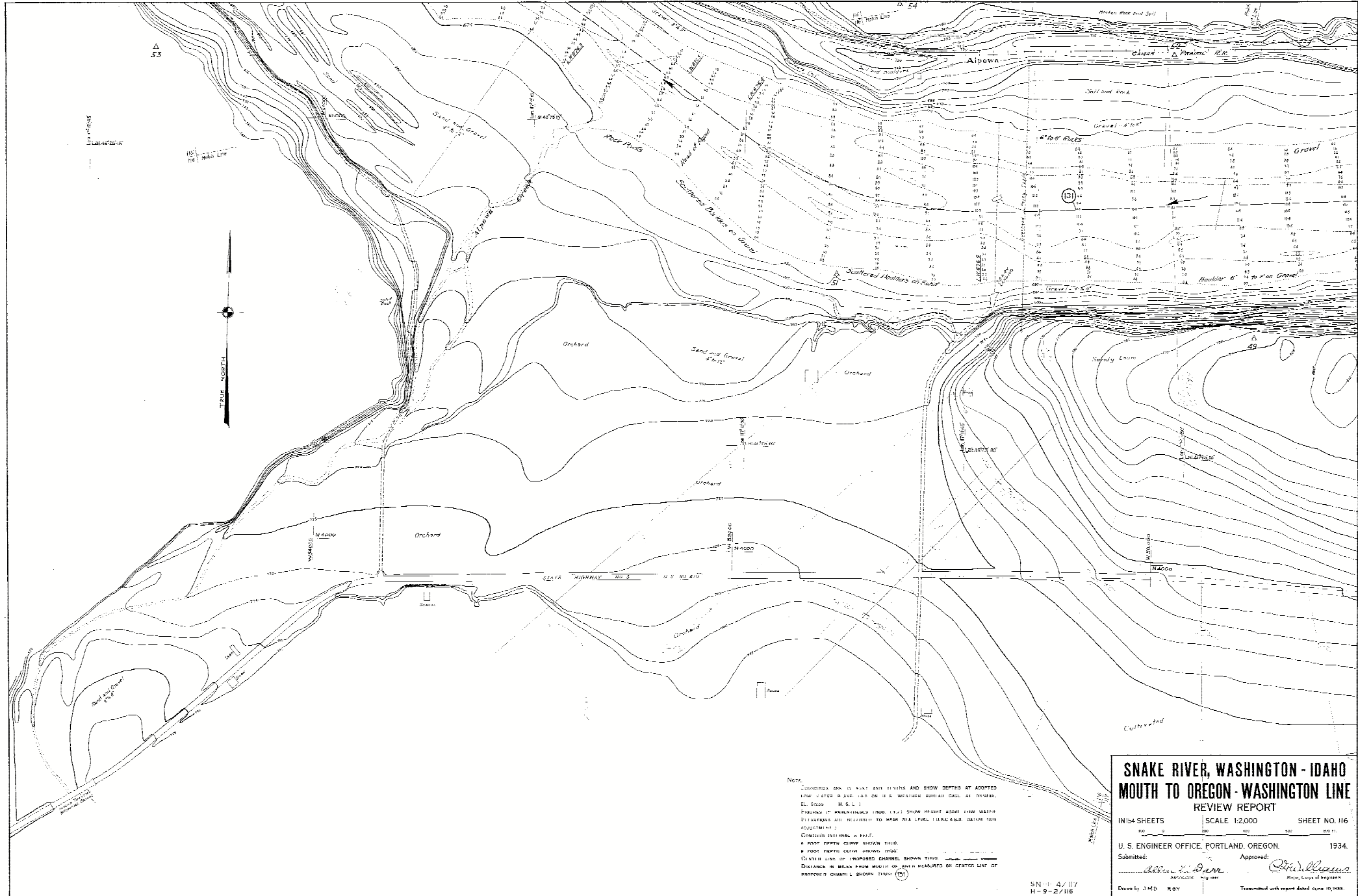
SN-1-4/115  
 M-9-2/112



NOTE:  
 ELEVATIONS ARE IN FEET AND TENTHS AND SHOW HEIGHTS AT APPROXIMATE LOW WATER PLANE, 15.0 ON U.S. MEANING BOUNDARY (M.B.) AT SPINAL, AT 1910, M.S.L. 7.  
 FIGURES IN PARENTHESES THUS (17.2) SHOW HEIGHT ABOVE LOW WATER.  
 ELEVATIONS ARE REFERRED TO MEAN SEA LEVEL (U.S.C.G.S. DATUM 1929 ADJUSTMENT).  
 CONTOUR INTERVAL 5 FEET.  
 A FOOT DEPTH CURVE SHOWN THUS: .....  
 CENTER LINE OF PROPOSED CHANNEL, WIDTH 75 FEET: ————  
 DISTANCE IN FEET FROM MOUTH OF RIVER MEASURED ON CENTER LINE OF PROPOSED CHANNEL, SHOWN THUS: (75)

333-1-4/116  
 H-9-2/115

**Snake River, Washington - Idaho Mouth to Oregon - Washington Line**  
**REVIEW REPORT**  
 IN 54 SHEETS SCALE 1:2,000 SHEET NO. 115  
 U. S. ENGINEER OFFICE, PORTLAND, OREGON 1934  
 Submitted: *Allen D. Barr* Approved: *Charles H. ...*  
 Associate Engineer Major, Corps of Engineers  
 Drawn by J.M.B. 5.9X Transmitted with report dated June 10, 1934  
 SN-1-12/115



Note:  
 SOUNDINGS ARE IN FEET AND FEETINGS AND SHOW DEPTHS AT ADOPTED  
 LOW WATER IN 200' LAD ON U. S. WEATHER BUREAU GAUGE AT TUMBLE  
 BU. STAG. (M. S. L.)  
 FIGURES IN PARENTHESES SHOW (L.S.) SHOW HEIGHT ABOVE 1000 FEET  
 ELEVATIONS ARE RELATED TO MEAN SEA LEVEL (1916-1918) DATUM 1000  
 ADJUSTMENT 2  
 CHANNELS SHOWN IN RED  
 A FOOT DEPTH CURVE SHOWN THUS  
 6 FOOT DEPTH CURVE SHOWN THUS  
 CENTER LINE OF PROPOSED CHANNEL SHOWN THUS  
 DISTANCE IN FEET FROM MOUTH OF RIVER MEASURED ON CENTER LINE OF  
 PROPOSED CHANNEL SHOWN THUS (10)

**SNAKE RIVER, WASHINGTON - IDAHO**  
**MOUTH TO OREGON - WASHINGTON LINE**  
 REVIEW REPORT

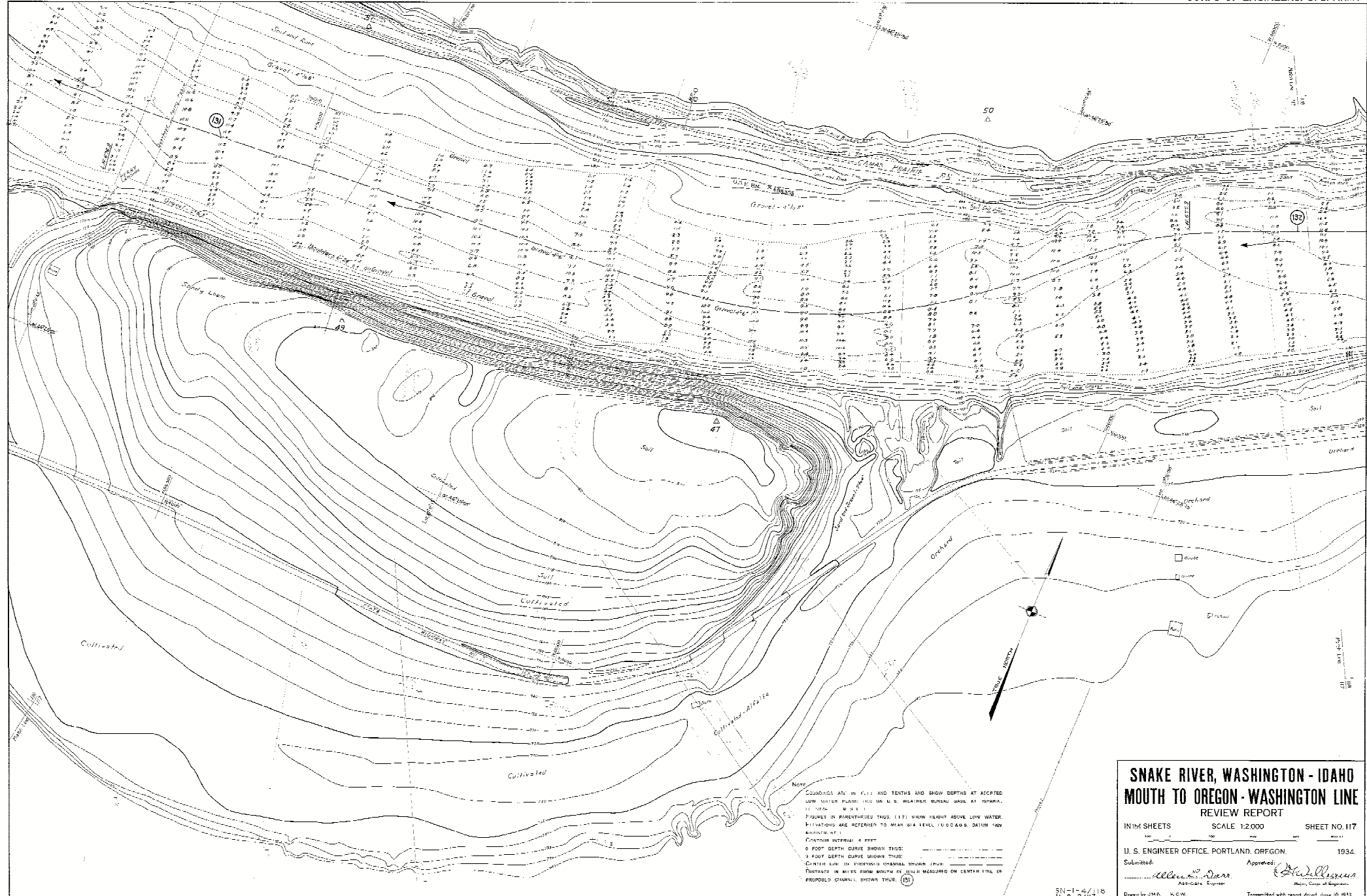
1154 SHEETS SCALE 1:2,000 SHEET NO. 116

U. S. ENGINEER OFFICE, PORTLAND, OREGON. 1934.

Submitted: *Allen L. Barr* Approved: *W. H. Williams*  
 ASSISTANT ENGINEER Major, Corps of Engineers

Drawn by J.M.B. R.B.V. Transmitted with report dated June 10, 1935.

SN-1-4/117  
 H-9-2/116



NOTE:  
 SOUNDINGS ARE IN FEET AND TENTHS AND SHOW DEPTHS AT ADOPTED LOW WATER PLANE (AS IN U.S. WEATHER BUREAU GAUGE AT SPANNA, 11 MILES W. S. 1).  
 FIGURES IN PARENTHESES THUS (1.7) SHOW HEIGHT ABOVE LOW WATER. ELEVATIONS ARE REFERRED TO MEAN SEA LEVEL (U.S.C.A.S. DATUM) AND NOT BENCH MARK #1.  
 CONTOUR INTERVAL 5 FEET.  
 5 FOOT DEPTH CURVE SHOWN THUS: \_\_\_\_\_  
 3 FOOT DEPTH CURVE SHOWN THUS: \_\_\_\_\_  
 CENTER LINE OF EXISTING CHANNEL SHOWN THUS: \_\_\_\_\_  
 DISTANCE IN FEET FROM MOUTH OF RIVER MEASURED ON CENTER LINE OF PROPOSED CHANNEL SHOWN THUS: (51)

**SNAKE RIVER, WASHINGTON - IDAHO MOUTH TO OREGON - WASHINGTON LINE REVIEW REPORT**

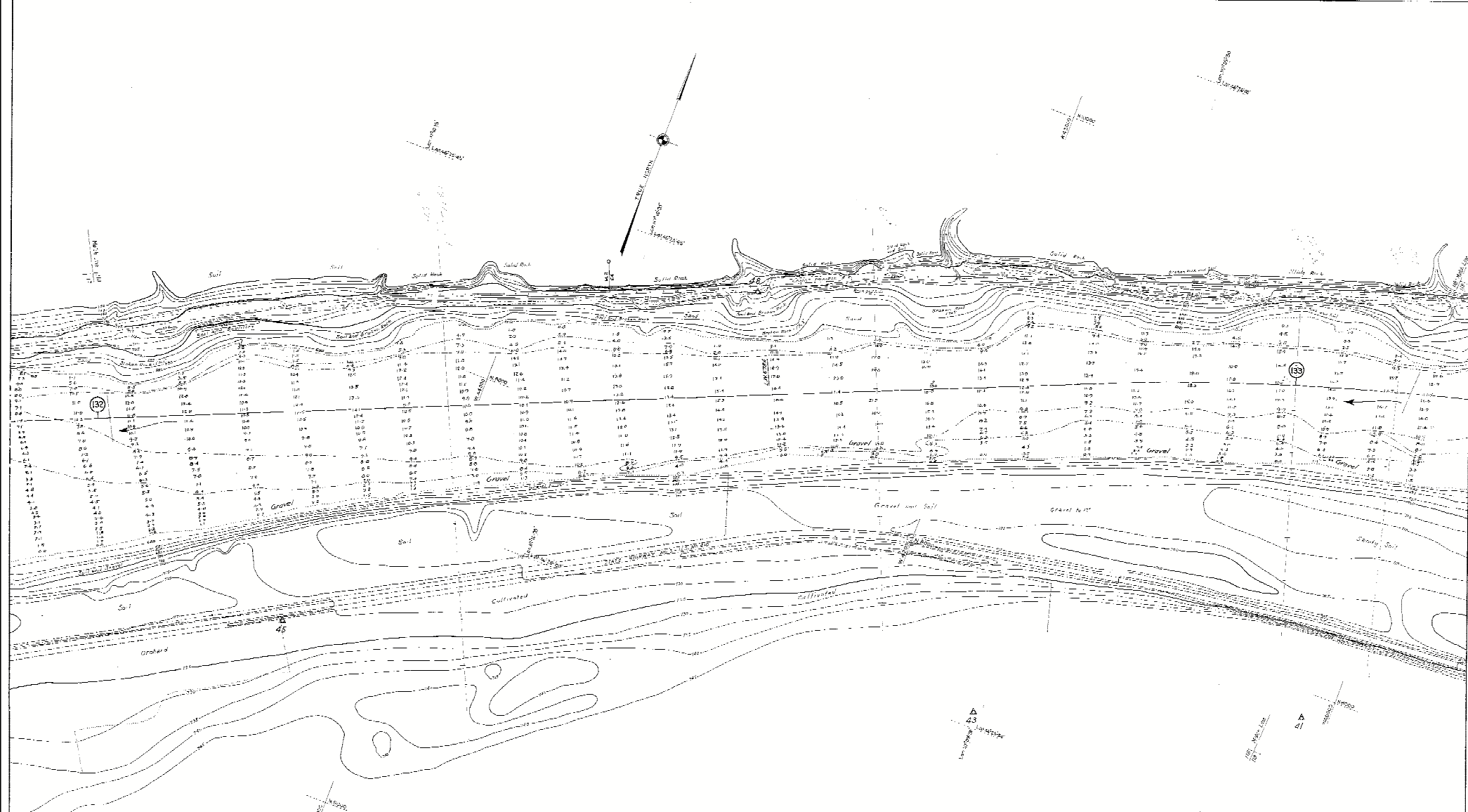
11 1/2 SHEETS SCALE 1:2,000 SHEET NO. 117

U. S. ENGINEER OFFICE, PORTLAND, OREGON. 1934.

Submitted: *Allen R. Carr* Approved: *W. H. Williams*  
 Assistant Engineer Major, Corps of Engineers

Drawn by: J.M.R. V.C.W. Transmitted with report dated June 10, 1933.

SN-1-5/116  
 H-9-2/117



Note  
 ELEVATIONS ARE IN FEET AND TENTHS AND SHOW DEPTHS AT ADOPED  
 LOW WATER PLANE, FOR ON U. S. WEATHER BUREAU GAGE AT CHANDLER,  
 EL. 2100 M. S. L. ;  
 FIGURES IN PARENTHESES SHOW 1571 SHOW HEIGHT ABOVE HIGH WATER.  
 ELEVATIONS ARE REFERRED TO MEAN SEA LEVEL (U.S.C.G.S. DATA 1900  
 ADJUSTMENT.)  
 CONTOUR INTERVAL 5 FEET.  
 5 FOOT DEPTH CURVE SHOWN THRU:  
 10 FOOT DEPTH CURVE SHOWN THRU:  
 CENTER LINE OF PROPOSED CHANNEL SHOWN THRU:  
 DISTANCE IN MILES FROM MOUTH OF RIVER MEASURED ON CENTER LINE OF  
 PROPOSED CHANNEL SHOWN THRU: (107)

**SNAKE RIVER, WASHINGTON - IDAHO  
 MOUTH TO OREGON - WASHINGTON LINE  
 REVIEW REPORT**

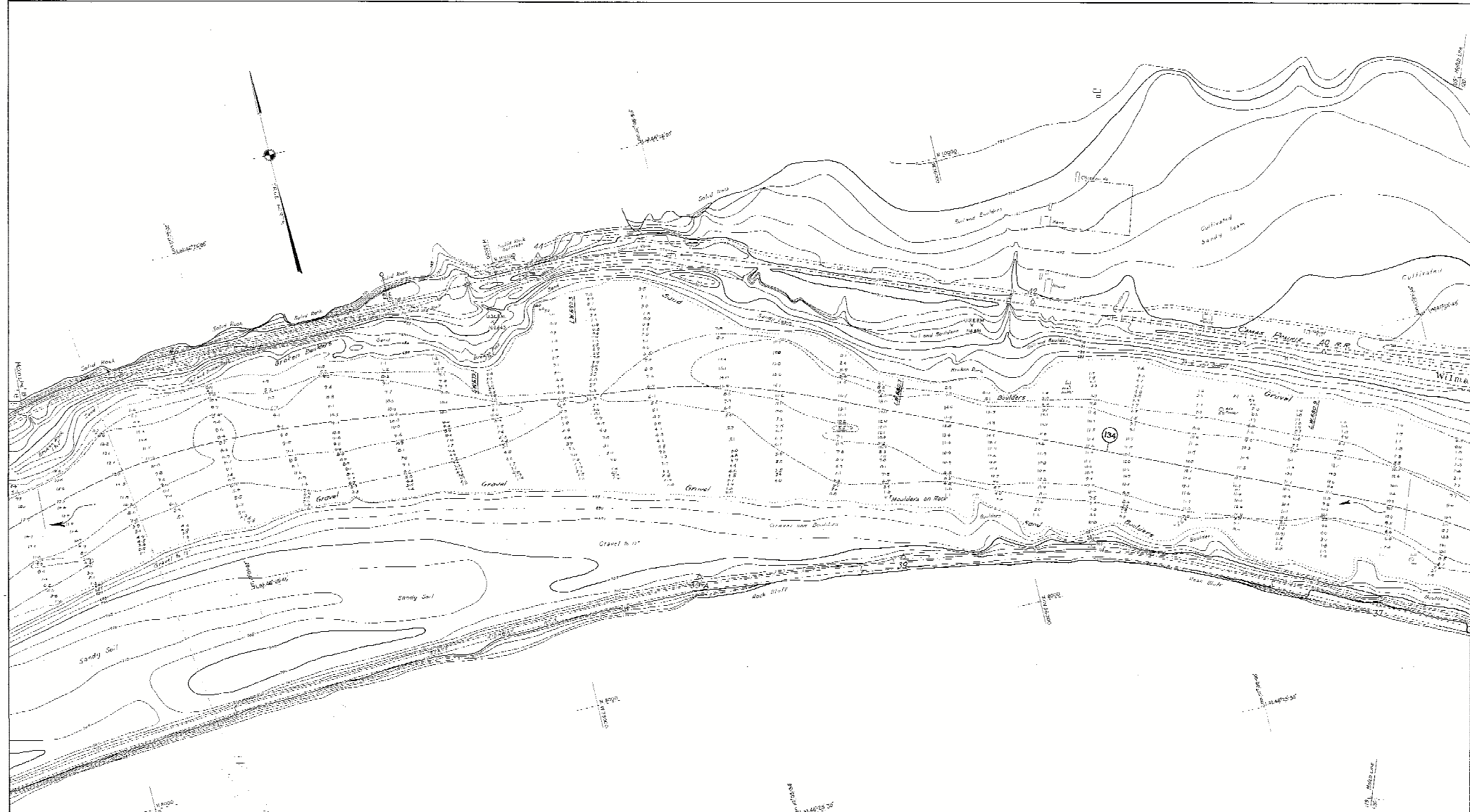
11/54 SHEETS      SCALE 1:2,000      SHEET NO. 118

U. S. ENGINEER OFFICE, PORTLAND, OREGON, 1934.

Submitted: *Allen S. Dresser*      Approved: *W. H. Williams*  
 Associate Engineer      Major, Corps of Engineers

Drawn by J.M.S. X.C.W.      Transmitted with report dated June 10, 1933.

SN-1-2/118  
 11-9-2/118



NOTE:  
 SOUNDINGS ARE IN FEET AND TENTHS AND SHOW HEIGHTS AT ADJUSTED  
 LOW WATER PLANE 1.00 ON U. S. WEATHER BUREAU GAGE AT BUREAU.  
 EL. SLEWS IN FEET.  
 FIGURES IN PARENTHESES SHOW (1) SHOW HEIGHT ABOVE LOW WATER.  
 FIGURATIONS ARE REFERRED TO MEAN SEA LEVEL (1916-1918) DATUM 1909  
 ADJUSTMENT.  
 CONTOUR INTERVAL 4 FEET.  
 2 FOOT DEPTH CURVE SHOWN TRUE.  
 8 FOOT DEPTH CURVE SHOWN TRUE.  
 CENTER LINE OF ENLARGED CHANNEL SHOWN TRUE.  
 DISTANCE IN MILES FROM MOUTH OF RIVER MEASURED ON CENTER LINE OF  
 PROPOSED CHANNEL SHOWN TRUE.

**SNAKE RIVER, WASHINGTON - IDAHO**  
**MOUTH TO OREGON - WASHINGTON LINE**  
 REVIEW REPORT

INDEX SHEETS SCALE 1:2,000 SHEET NO. 119

U. S. ENGINEER OFFICE, PORTLAND, OREGON, 1934.

Submitted: *Allen L. Davis* Approved: *W. Williams*  
 Associate Engineer Major, Corps of Engineers

Drawn by J.M.B. K.C.W. Transmitted with report dated June 10, 1934.

SN-1-4/120  
 H-9-2/119