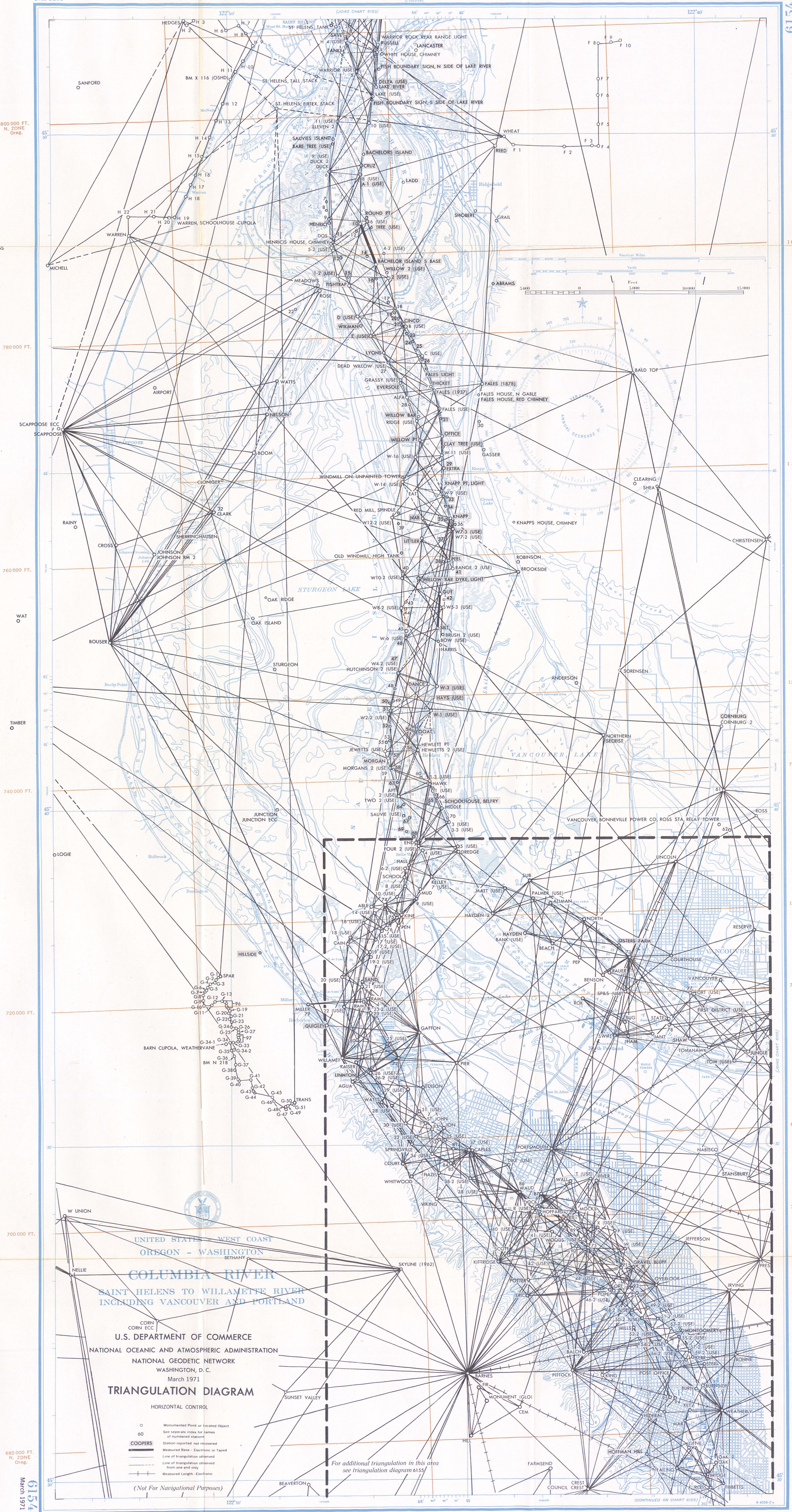


1. SAWMILL STACK
2. ST HELENS LUMBER CO, N STACK
3. ST HELENS LUMBER MILL, POLE NEAR GABLE OF MILL
4. ST HELENS BAR DIKE, LIGHT 5 (1937)
5. ST HELENS CHANNEL, LIGHT 5 (1931)
6. H-2 (USE)
7. H-2 RM 3 (USE)
8. WARRIOR ROCK, FRONT RANGE LIGHT (1937)
9. WARRIOR ROCK, FRONT RANGE LIGHT (1951)
10. WARRIORS PT
11. WARRIOR, FLAGPOLE (USE)
12. WARRIOR ROCK LIGHT STATION, VENTILATOR
13. TAYLORS HOUSE, CHIMNEY
14. DUCK CLUB, LIGHT (1937)
15. H&R DUCK CLUB, WHITE HOUSE, FRONT CHIMNEY
16. OLD FRONT (USE)
17. HOUSE CHIMNEY
18. POWDER HOUSE LOW STACK
19. HENRICI LANDING RANGE, REAR LIGHT
20. HENRICI LANDING RANGE, FRONT LIGHT (1913)
21. HENRICI FRONT RANGE LIGHT (1951)
22. BACHELOR ISLAND N BASE
23. HENRICI CROSSING, LIGHT 1
24. HENRICI CROSSING, LIGHT 2
25. DIKE 22.6, DOLPHIN, W END
26. DIKE 22.5, DOLPHIN, E END
27. HENRICI CROSSING, LIGHT 3
28. BACHELOR PT, LIGHT (1937)
29. A (USE)
30. SANDY BEACH
31. DIKE 21.4, DOLPHIN, W END
32. BACHELORS PT, LIGHT (1913)
33. DIKE 21.2, DOLPHIN, W END
34. MULTNOMAH CHANNEL, ELEVATED TANK AMONG GROUP OF BLDGS
35. BACHELOR DIKE, LIGHT
36. DIKE 20.8, DOLPHIN, W END
37. DIKE 20.6, DOLPHIN, W END
38. DIKE 20.4, DOLPHIN, W END
39. LYONS BARN, UPSTREAM VENT
40. EVERSOLDS HOUSE, CHIMNEY
41. SMITHS BARN (RED), RIVER CUPOLA
42. WASHINGTON TREE (USE)
43. LARGE WHITE HOUSE, S CHIMNEY
44. FALES LANDING LIGHT
45. MULTNOMAH CHANNEL, CLARK & WILSON, N OIL TANK
46. MULTNOMAH CHANNEL, CLARK & WILSON, S OIL TANK
47. WILLOW BAR, REAR RANGE LIGHT
48. WILLOW BAR, FRONT RANGE LIGHT
49. WILLOW BAR, LIGHT 3
50. KNAPP LANDING, TANK, POLE
51. WILLOW BAR, BEACON 5
52. DIKE 17.2, DOLPHIN, W END
53. RED HOUSE, CHIMNEY
54. YELLOW HOUSE, S CHIMNEY
55. EAST SLOW
56. WHITE HOUSE, MIDDLE CHIMNEY
57. UPPER WILLOW BAR RANGE, FRONT LIGHT
58. UPPER WILLOW BAR RANGE, REAR LIGHT
59. LOWER WILLOW BAR RANGE, FRONT LIGHT
60. LOWER WILLOW BAR RANGE, REAR LIGHT
61. OLD CHURCH BELFRY, FRONT SPINDLE
62. REEDERS HOUSE, N CHIMNEY
63. NEW HOUSE, CHIMNEY
64. REEDER PT
65. REEDER PT, LIGHT (1913)
66. REEDERS PT, LIGHT (1937)
67. DIKE 14.9, DOLPHIN, E END
68. DIKE 14.7, DOLPHIN, E END
69. MORGAN BAR, LOWER REAR RANGE LIGHT
70. DIKE 14.5, DOLPHIN, E END
71. MORGAN BAR, LOWER FRONT RANGE LIGHT
72. DIKE 14.3, DOLPHIN, E END
73. DIKE 14.1, DOLPHIN, E END
74. HENNETT DIKE, LIGHT
75. MORGAN BAR, REAR RANGE LIGHT
76. MORGAN BAR, FRONT RANGE LIGHT
77. DIKE 13.7, DOLPHIN, E END
78. MORGAN LANDING
79. MORGANS WHARF, LIGHT
80. MORGANS HIGH TANK, REMAINS OF WINDMILL
81. MORGANS BAR DIKE, BEACON 3
82. LUDLUM
83. HAZEL DELL, TANK
84. VANCOUVER, J.D. ROSS SUBSTATION, CHIMNEY ECC
85. VANCOUVER, J.D. ROSS SUBSTATION, CHIMNEY, CENTER
86. MORGAN BAR DIKE, LIGHT 2
87. DIKE 13.1, DOLPHIN, E END
88. MORGAN BAR DIKE, LIGHT 5
89. YELLOW HOUSE, N CHIMNEY
90. PALE GRAY HOUSE, DORMER WINDOW
91. MITA VIEW DAIRY FARM, WINDMILL ON BARN
92. MORGAN BAR DIKE, LIGHT 4
93. COON ISLAND, FRONT RANGE LIGHT
94. COON ISLAND, REAR RANGE LIGHT
95. WINDMILL, WHITE TANK
96. SHINGLE HOUSE, DORMER GABLE
97. PACE
98. PACIFIC
99. 27 (USE)
100. TERMINAL 2
101. ALBERT
102. UPSTREAM
103. SWAN (USE)
104. HOWELL
105. 12 (USE)
106. 12-3 (USE)
107. 11 (USE)
108. 13 (USE)
109. 13-2 (USE)
110. QUARTERMASTERS WHARF
111. RAILWAY (USE)
112. MILLER RM 1 (BM 101) (OSHD)
113. 24 (USE)
114. 24-2 (USE)
115. STAR (USE)
116. 33 (USE)
117. 34 (USE)
118. 35-2 (USE)
119. 39 (USE)
120. 39-2 (USE)
121. U (USE)
122. COLUMBIA
123. F (USE)
124. Y (USE)
125. 43 (USE)
126. 45 (USE)
127. 45-2 (USE)
128. 47 (USE)
129. 58-2 (USE)
130. YEON (PORTLAND, YEON BLDG FLAGSTAFF)
131. PORTLAND, OREGONIAN, FLAGPOLE (OREGONIAN 1903)
132. G-14
133. G-15
134. G-16
135. G-17
136. G-18
137. G-28
138. G-29
139. G-30
140. G-31
141. G-32



6154  
March 1971

UNITED STATES - WEST COAST  
OREGON - WASHINGTON  
COLUMBIA RIVER  
SAINT HELENS TO WILLAMETTE RIVER  
INCLUDING VANCOUVER AND PORTLAND

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL GEODETIC NETWORK  
WASHINGTON, D. C.  
March 1971

TRIANGULATION DIAGRAM  
HORIZONTAL CONTROL

- Monumented Point or Located Object
  - See separate index for names of monumented stations
  - Station reported, not measured
  - Measured Base - Electronic or Taped
  - Line of triangulation observed
  - Line of triangulation observed from one end only
  - Measured Length - Electronic
- (Not For Navigational Purposes)

For additional triangulation in this area see triangulation diagram 6155