











Sample	Depth (m)	Temperature (°C)	Salinity	Density (kg/m <sup>3</sup> )	Speed of Sound (m/s)	Attenuation (dB/km)	Refractive Index	Acoustic Velocity (m/s)
1	0.00	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
2	0.10	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
3	0.20	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
4	0.30	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
5	0.40	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
6	0.50	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
7	0.60	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
8	0.70	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
9	0.80	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
10	0.90	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
11	1.00	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
12	1.10	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
13	1.20	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
14	1.30	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
15	1.40	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
16	1.50	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
17	1.60	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
18	1.70	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
19	1.80	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
20	1.90	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
21	2.00	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
22	2.10	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
23	2.20	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
24	2.30	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
25	2.40	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
26	2.50	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
27	2.60	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
28	2.70	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
29	2.80	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
30	2.90	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
31	3.00	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
32	3.10	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
33	3.20	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
34	3.30	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
35	3.40	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
36	3.50	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
37	3.60	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
38	3.70	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
39	3.80	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
40	3.90	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
41	4.00	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
42	4.10	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
43	4.20	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
44	4.30	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
45	4.40	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
46	4.50	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
47	4.60	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
48	4.70	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
49	4.80	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
50	4.90	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
51	5.00	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
52	5.10	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
53	5.20	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
54	5.30	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
55	5.40	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
56	5.50	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
57	5.60	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
58	5.70	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
59	5.80	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
60	5.90	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
61	6.00	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
62	6.10	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
63	6.20	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
64	6.30	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
65	6.40	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
66	6.50	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
67	6.60	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
68	6.70	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
69	6.80	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
70	6.90	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
71	7.00	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
72	7.10	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
73	7.20	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
74	7.30	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
75	7.40	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
76	7.50	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
77	7.60	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
78	7.70	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
79	7.80	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
80	7.90	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
81	8.00	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
82	8.10	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
83	8.20	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
84	8.30	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
85	8.40	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
86	8.50	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
87	8.60	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
88	8.70	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
89	8.80	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
90	8.90	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
91	9.00	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
92	9.10	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
93	9.20	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
94	9.30	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
95	9.40	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
96	9.50	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
97	9.60	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
98	9.70	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
99	9.80	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
100	9.90	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
101	10.00	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
102	10.10	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
103	10.20	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
104	10.30	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
105	10.40	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
106	10.50	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
107	10.60	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
108	10.70	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
109	10.80	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
110	10.90	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
111	11.00	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
112	11.10	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
113	11.20	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
114	11.30	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
115	11.40	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
116	11.50	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
117	11.60	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
118	11.70	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
119	11.80	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
120	11.90	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
121	12.00	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
122	12.10	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
123	12.20	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
124	12.30	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
125	12.40	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
126	12.50	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
127	12.60	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
128	12.70	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
129	12.80	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
130	12.90	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
131	13.00	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
132	13.10	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
133	13.20	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
134	13.30	22.0	35.2	1020.0	1500.0	0.000	1.498	1498.0
135	13.40	22.0	35.2					

[illegible]

## GENERAL NOTES

THIS SYSTEM DESIGNED AND TO BE FABRICATED AND INSTALLED IN STRICT ACCORDANCE WITH ALL N.F.P.A., STATE AND LOCAL CODES AND REQUIREMENTS

ALL MATERIAL AND EQUIPMENT TO BE UL LISTED AND/OR FACTORY MUTUAL APPROVED

ALL MAIN PIPING TO BE BLACK, ROLL GROOVE, SCHEDULE 10 WITH WELDED OUTLETS AND GROOVED FITTINGS AND COUPLINGS UNLESS NOTED OTHERWISE

ALL LINE PIPING TO BE BLACK, THREADED, SCHEDULE 40 WITH BLACK, CLASS 125 THREADED FITTINGS

ALL PIPE DIMENSIONS ARE CUT LENGTH UNLESS NOTED OTHERWISE

LIGHT HAZARD AREA DESIGNED TO PROVIDE A DENSITY OF .10 GPM/SQ FT OVER 1500 SQ FT AREA WITH 100 GPM HOSE ALLOWANCE

ORDINARY HAZARD AREA DESIGNED TO PROVIDE A DENSITY OF .15 GPM/SQ FT OVER 1500 SQ FT AREA WITH 250 GPM HOSE ALLOWANCE

ALL HEAD ELEVATIONS TO BE 9'-0" UNLESS NOTED OTHERWISE

