

TABLE 17
Distance by Vertical Angle
Measured Between Waterline at Object and Sea Horizon Beyond Object

Distance	Height of eye above the sea, in feet										Distance
	5	10	15	20	25	30	35	40	45	50	
<i>Yards</i>	<i>0 55</i>	<i>1 52</i>	<i>2 48</i>	<i>3 45</i>	<i>4 41</i>	<i>5 37</i>	<i>6 34</i>	<i>7 30</i>	<i>8 26</i>	<i>9 21</i>	<i>Yards</i>
100	0 55	1 52	2 48	3 45	4 41	5 37	6 34	7 30	8 26	9 21	100
200	27	0 54	1 22	1 50	2 18	2 46	3 15	3 43	4 11	4 39	200
300	17	35	0 54	1 12	1 31	1 49	2 08	2 27	2 45	3 04	300
400	12	26	39	0 53	1 07	1 21	1 35	1 49	2 02	2 16	400
500	9	20	31	42	0 53	1 04	1 15	1 26	1 37	1 48	500
600		16	25	34	43	0 52	1 01	1 10	1 20	1 29	600
700		13	21	29	36	44	0 52	0 59	1 07	1 15	700
800		11	18	24	31	38	45	51	0 58	1 05	800
900		10	16	21	27	33	39	45	51	0 57	900
1,000			14	19	24	29	35	40	45	51	1,000
1,100			12	17	21	26	31	36	41	45	1,100
1,200			11	15	19	24	28	32	37	41	1,200
1,300			10	14	17	21	25	29	33	37	1,300
1,400				12	16	20	23	27	31	34	1,400
1,500				11	15	18	21	25	28	32	1,500
1,600				10	13	17	20	23	26	29	1,600
1,700					12	15	18	21	24	27	1,700
1,800					11	14	17	20	23	25	1,800
1,900					11	13	16	18	21	24	1,900
2,000					10	12	15	17	20	22	2,000
2,100						11	14	16	18	21	2,100
2,200						11	13	15	17	20	2,200
2,300						10	12	14	16	19	2,300
2,400							11	13	15	18	2,400
2,500							11	13	15	17	2,500
2,600							10	12	14	16	2,600
2,700								11	13	15	2,700
2,800								11	12	14	2,800
2,900								10	12	14	2,900
3,000									11	13	3,000
3,100									11	12	3,100
3,200									10	12	3,200
3,300										11	3,300
3,400										11	3,400
3,500										10	3,500

TABLE 17
Distance by Vertical Angle
Measured Between Waterline at Object and Sea Horizon Beyond Object

Distance	Height of eye above the sea, in feet										Distance
	55	60	65	70	75	80	85	90	95	100	
<i>Yards</i>	<i>10 16</i>	<i>11 11</i>	<i>12 06</i>	<i>13 00</i>	<i>13 54</i>	<i>14 48</i>	<i>15 41</i>	<i>16 34</i>	<i>17 26</i>	<i>18 17</i>	<i>Yards</i>
100	10 16	11 11	12 06	13 00	13 54	14 48	15 41	16 34	17 26	18 17	100
200	5 07	5 35	6 03	6 31	6 59	7 27	7 55	8 23	8 51	9 18	200
300	3 23	3 41	4 00	4 19	4 38	4 56	5 15	5 34	5 52	6 11	300
400	2 30	2 44	2 58	3 12	3 26	3 40	3 54	4 08	4 22	4 36	400
500	1 59	2 10	2 21	2 32	2 43	2 55	3 06	3 17	3 28	3 39	500
600	1 38	1 47	1 56	2 06	2 15	2 24	2 33	2 43	2 52	3 01	600
700	1 23	1 31	1 39	1 47	1 54	2 02	2 10	2 18	2 26	2 34	700
800	1 12	1 19	1 25	1 32	1 39	1 46	1 53	2 00	2 07	2 14	800
900	1 03	1 09	1 15	1 21	1 27	1 33	1 39	1 46	1 52	1 58	900
1,000	0 56	1 01	1 07	1 12	1 18	1 23	1 29	1 34	1 40	1 45	1,000
1,100	50	0 55	1 00	1 05	1 10	1 15	1 20	1 25	1 30	1 35	1,100
1,200	46	50	0 55	0 59	1 03	1 08	1 12	1 17	1 22	1 26	1,200
1,300	42	46	50	54	0 58	1 02	1 06	1 10	1 15	1 19	1,300
1,400	38	42	46	49	53	0 57	1 01	1 05	1 09	1 12	1,400
1,500	35	39	42	46	49	53	0 56	1 00	1 03	1 07	1,500
1,600	33	36	39	42	46	49	52	0 56	0 59	1 02	1,600
1,700	30	33	36	39	43	46	49	52	55	0 58	1,700
1,800	28	31	34	37	40	43	46	48	51	54	1,800
1,900	26	29	32	35	37	40	43	45	48	51	1,900
2,000	25	27	30	32	35	38	40	43	45	48	2,000
2,100	23	26	28	31	33	35	38	40	43	45	2,100
2,200	22	24	27	29	31	33	36	38	40	43	2,200
2,300	21	23	25	27	29	32	34	36	38	41	2,300
2,400	20	22	24	26	28	30	32	34	36	39	2,400
2,500	19	21	23	25	27	29	31	33	35	37	2,500
2,600	18	19	21	23	25	27	29	31	33	35	2,600
2,700	17	19	20	22	24	26	28	30	31	33	2,700
2,800	16	18	19	21	23	25	26	28	30	32	2,800
2,900	15	17	18	20	22	24	25	27	29	30	2,900
3,000	14	16	18	19	21	23	24	26	27	29	3,000
3,100	14	15	17	18	20	22	23	25	26	28	3,100
3,200	13	15	16	18	19	21	22	24	25	27	3,200
3,300	13	14	15	17	18	20	21	23	24	26	3,300
3,400	12	13	15	16	18	19	20	22	23	25	3,400
3,500	12	13	14	16	17	18	20	21	22	24	3,500
3,600	11	12	14	15	16	18	19	20	22	23	3,600
3,700	11	12	13	14	16	17	18	19	21	22	3,700
3,800	10	11	13	14	15	16	17	19	20	21	3,800
3,900		11	12	13	14	16	17	18	19	21	3,900
4,000		11	12	13	14	15	16	17	19	20	4,000
4,100		10	11	12	13	15	16	17	18	19	4,100
4,200			11	12	13	14	15	16	17	18	4,200
4,300			10	11	12	14	15	16	17	18	4,300
4,400			10	11	12	13	14	15	16	17	4,400
4,500			10	11	12	13	14	15	16	17	4,500
4,600				10	11	12	13	14	15	16	4,600
4,700					11	12	13	14	15	16	4,700
4,800					11	11	12	13	14	15	4,800
4,900					10	11	12	13	14	15	4,900
5,000					10	11	12	12	13	14	5,000