DEPTH TABLE (MULTIPLY $\frac{d}{\ell}$ BY DISTANCE FROM GND ZERO TO OBTAIN DEPTH FOR HORIZONTAL TRANSMIT COIL)

MAGNETIC FIELD ANGLE FROM VERTICAL DEGREES	$\frac{\text{depth}}{\text{length}}$	ANGLE	$\frac{d}{\ell}$	ANGLE	$\frac{d}{\ell}$	ANGLE	$\frac{d}{\ell}$	ANGLE	$\frac{d}{\ell}$
0.5°	171.89	19.5°	4.35	38.5°	2.12	57.5°	1.33	76.5	.910
1°	85.94	20°	4.24	39	2.09	58	1.32	77	.901
1.5	57.29	20.5	4.13	39.5	2.06	58.5	1.30	77.5	.893
2	42.97	21	4.03	40	2.03	59	1.29	78	.884
2.5	34.37	21.5	3.94	40.5	2.01	59.5	1.28	78.5	.876
3	28.64	22	3.84	41	1.98	60	1.26	79	.868
3.5	24.55	22.5	3.75	41.5	1.95	60.5	1.25	79.5	.860
4	21.47	23	3.67	42	1.93	61	1.24	80	.852
4.5	19.09	23.5	3.59	42.5	1.90	61.5	1.22	80.5	.844
5	17.17	24	3.51	43	1.88	62	1.21	81	.836
5.5	15.61	24.5	3.44	43.5	1.85	62.5	1.20	81.5	.828
6	14.31	25	3.37	44	1.83	63	1.19	82	.820
6.5	13.20	25.5	3.30	44.5	1.80	63.5	1.17	82.5	.813
7	12.25	26	3.23	45	1.78	64	1.16	83	.805
7.5	11.44	26.5	3.17	45.5	1.76	64.5	1.15	83.5	.798
8	10.72	27	3.10	46	1.74	65	1.14	84	.790
8.5	10.09	27.5	3.05	46.5	1.71	65.5	1.13	84.5	.783
9	9.52	28	2.99	47	1.69	66	1.12	85	.776
9.5	9.02	28.5	2.93	47.5	1.67	66.5	1.10	85.5	.769
10	8.57	29	2.88	48	1.65	67	1.09	86	.761
10.5	8.15	29.5	2.83	48.5	1.63	67.5	1.08	86.5	.754
11	7.78	30	2.78	49	1.61	68	1.07	87	.748
11.5	7.44	30.5	2.73	49.5	1.59	68.5	1.06	87.5	.741
12	7.13	31	2.68	50	1.58	69	1.05	88	.734
12.5	6.84	31.5	2.64	50.5	1.56	69.5	1.04	88.5	.727
13	6.57	32	2.59	51	1.54	70	1.03	89	.720
13.5	6.33	32.5	2.55	51.5	1.52	70.5	1.02	89.5	.714
14	6.10	33	2.51	52	1.50	71	1.01	90	.707
14.5	5.89	33.5	2.47	52.5	1.49	71.5	1.00	90.5	.701
15	5.69	34	2.43	53	1.47	72	.992		
15.5	5.50	34.5	2.39	53.5	1.45	72.5	.982		
16	5.33	35	2.35	54	1.44	73	.973		
16.5	5.16	35.5	2.32	54.5	1.42	73.5	.963		
17	5.01	36	2.28	55	1.41	74	.954		
17.5	4.86	36.5	2.25	55.5	1.39	74.5	.945		
18	4.72	37	2.22	56	1.38	75	.936		
18.5	4.59	37.5	2.18	56.5	1.36	75.5	.927		
19	4.47	38	2.15	57	1.35	76	.918		

~~See pg 56~~ for equation and program

$$\frac{d}{\ell} = \frac{3\cos\theta + \sqrt{8+\cos^2\theta}}{4\sin\theta}$$