

Appendix III

TABLE OF CONVERSIONS TO ADJUST DISTANCE BAND MIDPOINTS AND CUTPOINTS FOR VARIATIONS IN SURVEY HEIGHT FROM THE PLANNED HEIGHT OF 91.4 m (300 ft) AGL

AERIAL LINE TRANSECT ANALYSIS - Wyoming Technique									
TABLE OF MIDPOINT CONVERSIONS FOR HEIGHT BASED ON 300' AGL									
prepared by Richard J. Guenzel, Wyoming Game and Fish Dept., Laramie, WY 82070									
Height AGL (ft)	Corrected Distance Mid-Point (m)				OFFSET AND CUT-POINT ADJUSTMENTS				
	A	B	C	D	BLIND (65m)	A (25m)	B (50m)	C (100m)	D (200m)
100	4.17	12.50	25.00	50.00	21.67	8.33	16.67	33.33	66.67
101	4.21	12.63	25.25	50.50	21.88	8.42	16.83	33.67	67.33
102	4.25	12.75	25.50	51.00	22.10	8.50	17.00	34.00	68.00
103	4.29	12.88	25.75	51.50	22.32	8.58	17.17	34.33	68.67
104	4.33	13.00	26.00	52.00	22.53	8.67	17.33	34.67	69.33
105	4.38	13.13	26.25	52.50	22.75	8.75	17.50	35.00	70.00
106	4.42	13.25	26.50	53.00	22.97	8.83	17.67	35.33	70.67
107	4.46	13.38	26.75	53.50	23.18	8.92	17.83	35.67	71.33
108	4.50	13.50	27.00	54.00	23.40	9.00	18.00	36.00	72.00
109	4.54	13.63	27.25	54.50	23.62	9.08	18.17	36.33	72.67
110	4.58	13.75	27.50	55.00	23.83	9.17	18.33	36.67	73.33
111	4.63	13.88	27.75	55.50	24.05	9.25	18.50	37.00	74.00
112	4.67	14.00	28.00	56.00	24.27	9.33	18.67	37.33	74.67
113	4.71	14.13	28.25	56.50	24.48	9.42	18.83	37.67	75.33
114	4.75	14.25	28.50	57.00	24.70	9.50	19.00	38.00	76.00
115	4.79	14.38	28.75	57.50	24.92	9.58	19.17	38.33	76.67
116	4.83	14.50	29.00	58.00	25.13	9.67	19.33	38.67	77.33
117	4.88	14.63	29.25	58.50	25.35	9.75	19.50	39.00	78.00
118	4.92	14.75	29.50	59.00	25.57	9.83	19.67	39.33	78.67
119	4.96	14.88	29.75	59.50	25.78	9.92	19.83	39.67	79.33
120	5.00	15.00	30.00	60.00	26.00	10.00	20.00	40.00	80.00
121	5.04	15.13	30.25	60.50	26.22	10.08	20.17	40.33	80.67
122	5.08	15.25	30.50	61.00	26.43	10.17	20.33	40.67	81.33
123	5.13	15.38	30.75	61.50	26.65	10.25	20.50	41.00	82.00
124	5.17	15.50	31.00	62.00	26.87	10.33	20.67	41.33	82.67
125	5.21	15.63	31.25	62.50	27.08	10.42	20.83	41.67	83.33
126	5.25	15.75	31.50	63.00	27.30	10.50	21.00	42.00	84.00
127	5.29	15.88	31.75	63.50	27.52	10.58	21.17	42.33	84.67
128	5.33	16.00	32.00	64.00	27.73	10.67	21.33	42.67	85.33
129	5.38	16.13	32.25	64.50	27.95	10.75	21.50	43.00	86.00
130	5.42	16.25	32.50	65.00	28.17	10.83	21.67	43.33	86.67
131	5.46	16.38	32.75	65.50	28.38	10.92	21.83	43.67	87.33
132	5.50	16.50	33.00	66.00	28.60	11.00	22.00	44.00	88.00
133	5.54	16.63	33.25	66.50	28.82	11.08	22.17	44.33	88.67
134	5.58	16.75	33.50	67.00	29.03	11.17	22.33	44.67	89.33
135	5.63	16.88	33.75	67.50	29.25	11.25	22.50	45.00	90.00
136	5.67	17.00	34.00	68.00	29.47	11.33	22.67	45.33	90.67
137	5.71	17.13	34.25	68.50	29.68	11.42	22.83	45.67	91.33
138	5.75	17.25	34.50	69.00	29.90	11.50	23.00	46.00	92.00
139	5.79	17.38	34.75	69.50	30.12	11.58	23.17	46.33	92.67
140	5.83	17.50	35.00	70.00	30.33	11.67	23.33	46.67	93.33
141	5.88	17.63	35.25	70.50	30.55	11.75	23.50	47.00	94.00
142	5.92	17.75	35.50	71.00	30.77	11.83	23.67	47.33	94.67
143	5.96	17.88	35.75	71.50	30.98	11.92	23.83	47.67	95.33
144	6.00	18.00	36.00	72.00	31.20	12.00	24.00	48.00	96.00
145	6.04	18.13	36.25	72.50	31.42	12.08	24.17	48.33	96.67
146	6.08	18.25	36.50	73.00	31.63	12.17	24.33	48.67	97.33
147	6.13	18.38	36.75	73.50	31.85	12.25	24.50	49.00	98.00
148	6.17	18.50	37.00	74.00	32.07	12.33	24.67	49.33	98.67
149	6.21	18.63	37.25	74.50	32.28	12.42	24.83	49.67	99.33
150	6.25	18.75	37.50	75.00	32.50	12.50	25.00	50.00	100.00

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Height AGL (ft)	Corrected Distance Mid-Point (m)				OFFSET AND CUT-POINT ADJUSTMENTS				
	A	B	C	D	BLIND (65m)	A (25m)	B (50m)	C (100m)	D (200m)
150	6.25	18.75	37.50	75.00	32.50	12.50	25.00	50.00	100.00
151	6.29	18.88	37.75	75.50	32.72	12.58	25.17	50.33	100.67
152	6.33	19.00	38.00	76.00	32.93	12.67	25.33	50.67	101.33
153	6.38	19.13	38.25	76.50	33.15	12.75	25.50	51.00	102.00
154	6.42	19.25	38.50	77.00	33.37	12.83	25.67	51.33	102.67
155	6.46	19.38	38.75	77.50	33.58	12.92	25.83	51.67	103.33
156	6.50	19.50	39.00	78.00	33.80	13.00	26.00	52.00	104.00
157	6.54	19.63	39.25	78.50	34.02	13.08	26.17	52.33	104.67
158	6.58	19.75	39.50	79.00	34.23	13.17	26.33	52.67	105.33
159	6.63	19.88	39.75	79.50	34.45	13.25	26.50	53.00	106.00
160	6.67	20.00	40.00	80.00	34.67	13.33	26.67	53.33	106.67
161	6.71	20.13	40.25	80.50	34.88	13.42	26.83	53.67	107.33
162	6.75	20.25	40.50	81.00	35.10	13.50	27.00	54.00	108.00
163	6.79	20.38	40.75	81.50	35.32	13.58	27.17	54.33	108.67
164	6.83	20.50	41.00	82.00	35.53	13.67	27.33	54.67	109.33
165	6.88	20.63	41.25	82.50	35.75	13.75	27.50	55.00	110.00
166	6.92	20.75	41.50	83.00	35.97	13.83	27.67	55.33	110.67
167	6.96	20.88	41.75	83.50	36.18	13.92	27.83	55.67	111.33
168	7.00	21.00	42.00	84.00	36.40	14.00	28.00	56.00	112.00
169	7.04	21.13	42.25	84.50	36.62	14.08	28.17	56.33	112.67
170	7.08	21.25	42.50	85.00	36.83	14.17	28.33	56.67	113.33
171	7.13	21.38	42.75	85.50	37.05	14.25	28.50	57.00	114.00
172	7.17	21.50	43.00	86.00	37.27	14.33	28.67	57.33	114.67
173	7.21	21.63	43.25	86.50	37.48	14.42	28.83	57.67	115.33
174	7.25	21.75	43.50	87.00	37.70	14.50	29.00	58.00	116.00
175	7.29	21.88	43.75	87.50	37.92	14.58	29.17	58.33	116.67
176	7.33	22.00	44.00	88.00	38.13	14.67	29.33	58.67	117.33
177	7.38	22.13	44.25	88.50	38.35	14.75	29.50	59.00	118.00
178	7.42	22.25	44.50	89.00	38.57	14.83	29.67	59.33	118.67
179	7.46	22.38	44.75	89.50	38.78	14.92	29.83	59.67	119.33
180	7.50	22.50	45.00	90.00	39.00	15.00	30.00	60.00	120.00
181	7.54	22.63	45.25	90.50	39.22	15.08	30.17	60.33	120.67
182	7.58	22.75	45.50	91.00	39.43	15.17	30.33	60.67	121.33
183	7.63	22.88	45.75	91.50	39.65	15.25	30.50	61.00	122.00
184	7.67	23.00	46.00	92.00	39.87	15.33	30.67	61.33	122.67
185	7.71	23.13	46.25	92.50	40.08	15.42	30.83	61.67	123.33
186	7.75	23.25	46.50	93.00	40.30	15.50	31.00	62.00	124.00
187	7.79	23.38	46.75	93.50	40.52	15.58	31.17	62.33	124.67
188	7.83	23.50	47.00	94.00	40.73	15.67	31.33	62.67	125.33
189	7.88	23.63	47.25	94.50	40.95	15.75	31.50	63.00	126.00
190	7.92	23.75	47.50	95.00	41.17	15.83	31.67	63.33	126.67
191	7.96	23.88	47.75	95.50	41.38	15.92	31.83	63.67	127.33
192	8.00	24.00	48.00	96.00	41.60	16.00	32.00	64.00	128.00
193	8.04	24.13	48.25	96.50	41.82	16.08	32.17	64.33	128.67
194	8.08	24.25	48.50	97.00	42.03	16.17	32.33	64.67	129.33
195	8.13	24.38	48.75	97.50	42.25	16.25	32.50	65.00	130.00
196	8.17	24.50	49.00	98.00	42.47	16.33	32.67	65.33	130.67
197	8.21	24.63	49.25	98.50	42.68	16.42	32.83	65.67	131.33
198	8.25	24.75	49.50	99.00	42.90	16.50	33.00	66.00	132.00
199	8.29	24.88	49.75	99.50	43.12	16.58	33.17	66.33	132.67
200	8.33	25.00	50.00	100.00	43.33	16.67	33.33	66.67	133.33

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	A	B	C	D	BLIND (65m)	A (25m)	B (50m)	C (100m)	D (200m)
200	8.33	25.00	50.00	100.00	43.33	16.67	33.33	66.67	133.33
201	8.38	25.13	50.25	100.50	43.55	16.75	33.50	67.00	134.00
202	8.42	25.25	50.50	101.00	43.77	16.83	33.67	67.33	134.67
203	8.46	25.38	50.75	101.50	43.98	16.92	33.83	67.67	135.33
204	8.50	25.50	51.00	102.00	44.20	17.00	34.00	68.00	136.00
205	8.54	25.63	51.25	102.50	44.42	17.08	34.17	68.33	136.67
206	8.58	25.75	51.50	103.00	44.63	17.17	34.33	68.67	137.33
207	8.63	25.88	51.75	103.50	44.85	17.25	34.50	69.00	138.00
208	8.67	26.00	52.00	104.00	45.07	17.33	34.67	69.33	138.67
209	8.71	26.13	52.25	104.50	45.28	17.42	34.83	69.67	139.33
210	8.75	26.25	52.50	105.00	45.50	17.50	35.00	70.00	140.00
211	8.79	26.38	52.75	105.50	45.72	17.58	35.17	70.33	140.67
212	8.83	26.50	53.00	106.00	45.93	17.67	35.33	70.67	141.33
213	8.88	26.63	53.25	106.50	46.15	17.75	35.50	71.00	142.00
214	8.92	26.75	53.50	107.00	46.37	17.83	35.67	71.33	142.67
215	8.96	26.88	53.75	107.50	46.58	17.92	35.83	71.67	143.33
216	9.00	27.00	54.00	108.00	46.80	18.00	36.00	72.00	144.00
217	9.04	27.13	54.25	108.50	47.02	18.08	36.17	72.33	144.67
218	9.08	27.25	54.50	109.00	47.23	18.17	36.33	72.67	145.33
219	9.13	27.38	54.75	109.50	47.45	18.25	36.50	73.00	146.00
220	9.17	27.50	55.00	110.00	47.67	18.33	36.67	73.33	146.67
221	9.21	27.63	55.25	110.50	47.88	18.42	36.83	73.67	147.33
222	9.25	27.75	55.50	111.00	48.10	18.50	37.00	74.00	148.00
223	9.29	27.88	55.75	111.50	48.32	18.58	37.17	74.33	148.67
224	9.33	28.00	56.00	112.00	48.53	18.67	37.33	74.67	149.33
225	9.38	28.13	56.25	112.50	48.75	18.75	37.50	75.00	150.00
226	9.42	28.25	56.50	113.00	48.97	18.83	37.67	75.33	150.67
227	9.46	28.38	56.75	113.50	49.18	18.92	37.83	75.67	151.33
228	9.50	28.50	57.00	114.00	49.40	19.00	38.00	76.00	152.00
229	9.54	28.63	57.25	114.50	49.62	19.08	38.17	76.33	152.67
230	9.58	28.75	57.50	115.00	49.83	19.17	38.33	76.67	153.33
231	9.63	28.88	57.75	115.50	50.05	19.25	38.50	77.00	154.00
232	9.67	29.00	58.00	116.00	50.27	19.33	38.67	77.33	154.67
233	9.71	29.13	58.25	116.50	50.48	19.42	38.83	77.67	155.33
234	9.75	29.25	58.50	117.00	50.70	19.50	39.00	78.00	156.00
235	9.79	29.38	58.75	117.50	50.92	19.58	39.17	78.33	156.67
236	9.83	29.50	59.00	118.00	51.13	19.67	39.33	78.67	157.33
237	9.88	29.63	59.25	118.50	51.35	19.75	39.50	79.00	158.00
238	9.92	29.75	59.50	119.00	51.57	19.83	39.67	79.33	158.67
239	9.96	29.88	59.75	119.50	51.78	19.92	39.83	79.67	159.33
240	10.00	30.00	60.00	120.00	52.00	20.00	40.00	80.00	160.00
241	10.04	30.13	60.25	120.50	52.22	20.08	40.17	80.33	160.67
242	10.08	30.25	60.50	121.00	52.43	20.17	40.33	80.67	161.33
243	10.13	30.38	60.75	121.50	52.65	20.25	40.50	81.00	162.00
244	10.17	30.50	61.00	122.00	52.87	20.33	40.67	81.33	162.67
245	10.21	30.63	61.25	122.50	53.08	20.42	40.83	81.67	163.33
246	10.25	30.75	61.50	123.00	53.30	20.50	41.00	82.00	164.00
247	10.29	30.88	61.75	123.50	53.52	20.58	41.17	82.33	164.67
248	10.33	31.00	62.00	124.00	53.73	20.67	41.33	82.67	165.33
249	10.38	31.13	62.25	124.50	53.95	20.75	41.50	83.00	166.00
250	10.42	31.25	62.50	125.00	54.17	20.83	41.67	83.33	166.67

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Height AGL (ft)	Corrected Distance Mid-Point (m)				OFFSET AND CUT-POINT ADJUSTMENTS				
	A	B	C	D	BLIND (65m)	A (25m)	B (50m)	C (100m)	D (200m)
250	10.42	31.25	62.50	125.00	54.17	20.83	41.67	83.33	166.67
251	10.46	31.38	62.75	125.50	54.38	20.92	41.83	83.67	167.33
252	10.50	31.50	63.00	126.00	54.60	21.00	42.00	84.00	168.00
253	10.54	31.63	63.25	126.50	54.82	21.08	42.17	84.33	168.67
254	10.58	31.75	63.50	127.00	55.03	21.17	42.33	84.67	169.33
255	10.63	31.88	63.75	127.50	55.25	21.25	42.50	85.00	170.00
256	10.67	32.00	64.00	128.00	55.47	21.33	42.67	85.33	170.67
257	10.71	32.13	64.25	128.50	55.68	21.42	42.83	85.67	171.33
258	10.75	32.25	64.50	129.00	55.90	21.50	43.00	86.00	172.00
259	10.79	32.38	64.75	129.50	56.12	21.58	43.17	86.33	172.67
260	10.83	32.50	65.00	130.00	56.33	21.67	43.33	86.67	173.33
261	10.88	32.63	65.25	130.50	56.55	21.75	43.50	87.00	174.00
262	10.92	32.75	65.50	131.00	56.77	21.83	43.67	87.33	174.67
263	10.96	32.88	65.75	131.50	56.98	21.92	43.83	87.67	175.33
264	11.00	33.00	66.00	132.00	57.20	22.00	44.00	88.00	176.00
265	11.04	33.13	66.25	132.50	57.42	22.08	44.17	88.33	176.67
266	11.08	33.25	66.50	133.00	57.63	22.17	44.33	88.67	177.33
267	11.13	33.38	66.75	133.50	57.85	22.25	44.50	89.00	178.00
268	11.17	33.50	67.00	134.00	58.07	22.33	44.67	89.33	178.67
269	11.21	33.63	67.25	134.50	58.28	22.42	44.83	89.67	179.33
270	11.25	33.75	67.50	135.00	58.50	22.50	45.00	90.00	180.00
271	11.29	33.88	67.75	135.50	58.72	22.58	45.17	90.33	180.67
272	11.33	34.00	68.00	136.00	58.93	22.67	45.33	90.67	181.33
273	11.38	34.13	68.25	136.50	59.15	22.75	45.50	91.00	182.00
274	11.42	34.25	68.50	137.00	59.37	22.83	45.67	91.33	182.67
275	11.46	34.38	68.75	137.50	59.58	22.92	45.83	91.67	183.33
276	11.50	34.50	69.00	138.00	59.80	23.00	46.00	92.00	184.00
277	11.54	34.63	69.25	138.50	60.02	23.08	46.17	92.33	184.67
278	11.58	34.75	69.50	139.00	60.23	23.17	46.33	92.67	185.33
279	11.63	34.88	69.75	139.50	60.45	23.25	46.50	93.00	186.00
280	11.67	35.00	70.00	140.00	60.67	23.33	46.67	93.33	186.67
281	11.71	35.13	70.25	140.50	60.88	23.42	46.83	93.67	187.33
282	11.75	35.25	70.50	141.00	61.10	23.50	47.00	94.00	188.00
283	11.79	35.38	70.75	141.50	61.32	23.58	47.17	94.33	188.67
284	11.83	35.50	71.00	142.00	61.53	23.67	47.33	94.67	189.33
285	11.88	35.63	71.25	142.50	61.75	23.75	47.50	95.00	190.00
286	11.92	35.75	71.50	143.00	61.97	23.83	47.67	95.33	190.67
287	11.96	35.88	71.75	143.50	62.18	23.92	47.83	95.67	191.33
288	12.00	36.00	72.00	144.00	62.40	24.00	48.00	96.00	192.00
289	12.04	36.13	72.25	144.50	62.62	24.08	48.17	96.33	192.67
290	12.08	36.25	72.50	145.00	62.83	24.17	48.33	96.67	193.33
291	12.13	36.38	72.75	145.50	63.05	24.25	48.50	97.00	194.00
292	12.17	36.50	73.00	146.00	63.27	24.33	48.67	97.33	194.67
293	12.21	36.63	73.25	146.50	63.48	24.42	48.83	97.67	195.33
294	12.25	36.75	73.50	147.00	63.70	24.50	49.00	98.00	196.00
295	12.29	36.88	73.75	147.50	63.92	24.58	49.17	98.33	196.67
296	12.33	37.00	74.00	148.00	64.13	24.67	49.33	98.67	197.33
297	12.38	37.13	74.25	148.50	64.35	24.75	49.50	99.00	198.00
298	12.42	37.25	74.50	149.00	64.57	24.83	49.67	99.33	198.67
299	12.46	37.38	74.75	149.50	64.78	24.92	49.83	99.67	199.33
300	12.50	37.50	75.00	150.00	65.00	25.00	50.00	100.00	200.00

AERIAL LINE TRANSECT ANALYSIS - Wyoming Technique

TABLE OF MIDPOINT CONVERSIONS FOR HEIGHT BASED ON 300' AGL

prepared by Richard J. Guenzel, Wyoming Game and Fish Dept., Laramie, WY 82070

Height AGL (ft)	Corrected Distance Mid-Point (m)				OFFSET AND CUT-POINT ADJUSTMENTS				
	A	B	C	D	BLIND (66m)	A (25m)	B (50m)	C (100m)	D (200m)
300	12.50	37.50	75.00	150.00	65.00	25.00	50.00	100.00	200.00
301	12.54	37.63	75.25	150.50	65.22	25.08	50.17	100.33	200.67
302	12.58	37.75	75.50	151.00	65.43	25.17	50.33	100.67	201.33
303	12.63	37.88	75.75	151.50	65.65	25.25	50.50	101.00	202.00
304	12.67	38.00	76.00	152.00	65.87	25.33	50.67	101.33	202.67
305	12.71	38.13	76.25	152.50	66.08	25.42	50.83	101.67	203.33
306	12.75	38.25	76.50	153.00	66.30	25.50	51.00	102.00	204.00
307	12.79	38.38	76.75	153.50	66.52	25.58	51.17	102.33	204.67
308	12.83	38.50	77.00	154.00	66.73	25.67	51.33	102.67	205.33
309	12.88	38.63	77.25	154.50	66.95	25.75	51.50	103.00	206.00
310	12.92	38.75	77.50	155.00	67.17	25.83	51.67	103.33	206.67
311	12.96	38.88	77.75	155.50	67.38	25.92	51.83	103.67	207.33
312	13.00	39.00	78.00	156.00	67.60	26.00	52.00	104.00	208.00
313	13.04	39.13	78.25	156.50	67.82	26.08	52.17	104.33	208.67
314	13.08	39.25	78.50	157.00	68.03	26.17	52.33	104.67	209.33
315	13.13	39.38	78.75	157.50	68.25	26.25	52.50	105.00	210.00
316	13.17	39.50	79.00	158.00	68.47	26.33	52.67	105.33	210.67
317	13.21	39.63	79.25	158.50	68.68	26.42	52.83	105.67	211.33
318	13.25	39.75	79.50	159.00	68.90	26.50	53.00	106.00	212.00
319	13.29	39.88	79.75	159.50	69.12	26.58	53.17	106.33	212.67
320	13.33	40.00	80.00	160.00	69.33	26.67	53.33	106.67	213.33
321	13.38	40.13	80.25	160.50	69.55	26.75	53.50	107.00	214.00
322	13.42	40.25	80.50	161.00	69.77	26.83	53.67	107.33	214.67
323	13.46	40.38	80.75	161.50	69.98	26.92	53.83	107.67	215.33
324	13.50	40.50	81.00	162.00	70.20	27.00	54.00	108.00	216.00
325	13.54	40.63	81.25	162.50	70.42	27.08	54.17	108.33	216.67
326	13.58	40.75	81.50	163.00	70.63	27.17	54.33	108.67	217.33
327	13.63	40.88	81.75	163.50	70.85	27.25	54.50	109.00	218.00
328	13.67	41.00	82.00	164.00	71.07	27.33	54.67	109.33	218.67
329	13.71	41.13	82.25	164.50	71.28	27.42	54.83	109.67	219.33
330	13.75	41.25	82.50	165.00	71.50	27.50	55.00	110.00	220.00
331	13.79	41.38	82.75	165.50	71.72	27.58	55.17	110.33	220.67
332	13.83	41.50	83.00	166.00	71.93	27.67	55.33	110.67	221.33
333	13.88	41.63	83.25	166.50	72.15	27.75	55.50	111.00	222.00
334	13.92	41.75	83.50	167.00	72.37	27.83	55.67	111.33	222.67
335	13.96	41.88	83.75	167.50	72.58	27.92	55.83	111.67	223.33
336	14.00	42.00	84.00	168.00	72.80	28.00	56.00	112.00	224.00
337	14.04	42.13	84.25	168.50	73.02	28.08	56.17	112.33	224.67
338	14.08	42.25	84.50	169.00	73.23	28.17	56.33	112.67	225.33
339	14.13	42.38	84.75	169.50	73.45	28.25	56.50	113.00	226.00
340	14.17	42.50	85.00	170.00	73.67	28.33	56.67	113.33	226.67
341	14.21	42.63	85.25	170.50	73.88	28.42	56.83	113.67	227.33
342	14.25	42.75	85.50	171.00	74.10	28.50	57.00	114.00	228.00
343	14.29	42.88	85.75	171.50	74.32	28.58	57.17	114.33	228.67
344	14.33	43.00	86.00	172.00	74.53	28.67	57.33	114.67	229.33
345	14.38	43.13	86.25	172.50	74.75	28.75	57.50	115.00	230.00
346	14.42	43.25	86.50	173.00	74.97	28.83	57.67	115.33	230.67
347	14.46	43.38	86.75	173.50	75.18	28.92	57.83	115.67	231.33
348	14.50	43.50	87.00	174.00	75.40	29.00	58.00	116.00	232.00
349	14.54	43.63	87.25	174.50	75.62	29.08	58.17	116.33	232.67
350	14.58	43.75	87.50	175.00	75.83	29.17	58.33	116.67	233.33

AERIAL LINE TRANSECT ANALYSIS - Wyoming Technique

TABLE OF MIDPOINT CONVERSIONS FOR HEIGHT BASED ON 300' AGL

prepared by Richard J. Guenzel, Wyoming Game and Fish Dept., Laramie, WY 82070

Height AGL (ft)	Corrected Distance Mid-Point (m)				OFFSET AND CUT-POINT ADJUSTMENTS				
	A	B	C	D	BLIND (65m)	A (25m)	B (50m)	C (100m)	D (200m)
350	14.58	43.75	87.50	175.00	75.83	29.17	58.33	116.67	233.33
351	14.63	43.88	87.75	175.50	76.05	29.25	58.50	117.00	234.00
352	14.67	44.00	88.00	176.00	76.27	29.33	58.67	117.33	234.67
353	14.71	44.13	88.25	176.50	76.48	29.42	58.83	117.67	235.33
354	14.75	44.25	88.50	177.00	76.70	29.50	59.00	118.00	236.00
355	14.79	44.38	88.75	177.50	76.92	29.58	59.17	118.33	236.67
356	14.83	44.50	89.00	178.00	77.13	29.67	59.33	118.67	237.33
357	14.88	44.63	89.25	178.50	77.35	29.75	59.50	119.00	238.00
358	14.92	44.75	89.50	179.00	77.57	29.83	59.67	119.33	238.67
359	14.96	44.88	89.75	179.50	77.78	29.92	59.83	119.67	239.33
360	15.00	45.00	90.00	180.00	78.00	30.00	60.00	120.00	240.00
361	15.04	45.13	90.25	180.50	78.22	30.08	60.17	120.33	240.67
362	15.08	45.25	90.50	181.00	78.43	30.17	60.33	120.67	241.33
363	15.13	45.38	90.75	181.50	78.65	30.25	60.50	121.00	242.00
364	15.17	45.50	91.00	182.00	78.87	30.33	60.67	121.33	242.67
365	15.21	45.63	91.25	182.50	79.08	30.42	60.83	121.67	243.33
366	15.25	45.75	91.50	183.00	79.30	30.50	61.00	122.00	244.00
367	15.29	45.88	91.75	183.50	79.52	30.58	61.17	122.33	244.67
368	15.33	46.00	92.00	184.00	79.73	30.67	61.33	122.67	245.33
369	15.38	46.13	92.25	184.50	79.95	30.75	61.50	123.00	246.00
370	15.42	46.25	92.50	185.00	80.17	30.83	61.67	123.33	246.67
371	15.46	46.38	92.75	185.50	80.38	30.92	61.83	123.67	247.33
372	15.50	46.50	93.00	186.00	80.60	31.00	62.00	124.00	248.00
373	15.54	46.63	93.25	186.50	80.82	31.08	62.17	124.33	248.67
374	15.58	46.75	93.50	187.00	81.03	31.17	62.33	124.67	249.33
375	15.63	46.88	93.75	187.50	81.25	31.25	62.50	125.00	250.00
376	15.67	47.00	94.00	188.00	81.47	31.33	62.67	125.33	250.67
377	15.71	47.13	94.25	188.50	81.68	31.42	62.83	125.67	251.33
378	15.75	47.25	94.50	189.00	81.90	31.50	63.00	126.00	252.00
379	15.79	47.38	94.75	189.50	82.12	31.58	63.17	126.33	252.67
380	15.83	47.50	95.00	190.00	82.33	31.67	63.33	126.67	253.33
381	15.88	47.63	95.25	190.50	82.55	31.75	63.50	127.00	254.00
382	15.92	47.75	95.50	191.00	82.77	31.83	63.67	127.33	254.67
383	15.96	47.88	95.75	191.50	82.98	31.92	63.83	127.67	255.33
384	16.00	48.00	96.00	192.00	83.20	32.00	64.00	128.00	256.00
385	16.04	48.13	96.25	192.50	83.42	32.08	64.17	128.33	256.67
386	16.08	48.25	96.50	193.00	83.63	32.17	64.33	128.67	257.33
387	16.13	48.38	96.75	193.50	83.85	32.25	64.50	129.00	258.00
388	16.17	48.50	97.00	194.00	84.07	32.33	64.67	129.33	258.67
389	16.21	48.63	97.25	194.50	84.28	32.42	64.83	129.67	259.33
390	16.25	48.75	97.50	195.00	84.50	32.50	65.00	130.00	260.00
391	16.29	48.88	97.75	195.50	84.72	32.58	65.17	130.33	260.67
392	16.33	49.00	98.00	196.00	84.93	32.67	65.33	130.67	261.33
393	16.38	49.13	98.25	196.50	85.15	32.75	65.50	131.00	262.00
394	16.42	49.25	98.50	197.00	85.37	32.83	65.67	131.33	262.67
395	16.46	49.38	98.75	197.50	85.58	32.92	65.83	131.67	263.33
396	16.50	49.50	99.00	198.00	85.80	33.00	66.00	132.00	264.00
397	16.54	49.63	99.25	198.50	86.02	33.08	66.17	132.33	264.67
398	16.58	49.75	99.50	199.00	86.23	33.17	66.33	132.67	265.33
399	16.63	49.88	99.75	199.50	86.45	33.25	66.50	133.00	266.00
400	16.67	50.00	100.00	200.00	86.67	33.33	66.67	133.33	266.67

AERIAL LINE TRANSECT ANALYSIS - Wyoming Technique

TABLE OF MIDPOINT CONVERSIONS FOR HEIGHT BASED ON 300' AGL

prepared by Richard J. Guenzel, Wyoming Game and Fish Dept., Laramie, WY 82070

Height AGL (ft)	Corrected Distance Mid-Point (m)				OFFSET AND CUT-POINT ADJUSTMENTS				
	A	B	C	D	BLIND (65m)	A (25m)	B (50m)	C (100m)	D (200m)
400	16.67	50.00	100.00	200.00	86.67	33.33	66.67	133.33	266.67
401	16.71	50.13	100.25	200.50	86.88	33.42	66.83	133.67	267.33
402	16.75	50.25	100.50	201.00	87.10	33.50	67.00	134.00	268.00
403	16.79	50.38	100.75	201.50	87.32	33.58	67.17	134.33	268.67
404	16.83	50.50	101.00	202.00	87.53	33.67	67.33	134.67	269.33
405	16.88	50.63	101.25	202.50	87.75	33.75	67.50	135.00	270.00
406	16.92	50.75	101.50	203.00	87.97	33.83	67.67	135.33	270.67
407	16.96	50.88	101.75	203.50	88.18	33.92	67.83	135.67	271.33
408	17.00	51.00	102.00	204.00	88.40	34.00	68.00	136.00	272.00
409	17.04	51.13	102.25	204.50	88.62	34.08	68.17	136.33	272.67
410	17.08	51.25	102.50	205.00	88.83	34.17	68.33	136.67	273.33
411	17.13	51.38	102.75	205.50	89.05	34.25	68.50	137.00	274.00
412	17.17	51.50	103.00	206.00	89.27	34.33	68.67	137.33	274.67
413	17.21	51.63	103.25	206.50	89.48	34.42	68.83	137.67	275.33
414	17.25	51.75	103.50	207.00	89.70	34.50	69.00	138.00	276.00
415	17.29	51.88	103.75	207.50	89.92	34.58	69.17	138.33	276.67
416	17.33	52.00	104.00	208.00	90.13	34.67	69.33	138.67	277.33
417	17.38	52.13	104.25	208.50	90.35	34.75	69.50	139.00	278.00
418	17.42	52.25	104.50	209.00	90.57	34.83	69.67	139.33	278.67
419	17.46	52.38	104.75	209.50	90.78	34.92	69.83	139.67	279.33
420	17.50	52.50	105.00	210.00	91.00	35.00	70.00	140.00	280.00
421	17.54	52.63	105.25	210.50	91.22	35.08	70.17	140.33	280.67
422	17.58	52.75	105.50	211.00	91.43	35.17	70.33	140.67	281.33
423	17.63	52.88	105.75	211.50	91.65	35.25	70.50	141.00	282.00
424	17.67	53.00	106.00	212.00	91.87	35.33	70.67	141.33	282.67
425	17.71	53.13	106.25	212.50	92.08	35.42	70.83	141.67	283.33
426	17.75	53.25	106.50	213.00	92.30	35.50	71.00	142.00	284.00
427	17.79	53.38	106.75	213.50	92.52	35.58	71.17	142.33	284.67
428	17.83	53.50	107.00	214.00	92.73	35.67	71.33	142.67	285.33
429	17.88	53.63	107.25	214.50	92.95	35.75	71.50	143.00	286.00
430	17.92	53.75	107.50	215.00	93.17	35.83	71.67	143.33	286.67
431	17.96	53.88	107.75	215.50	93.38	35.92	71.83	143.67	287.33
432	18.00	54.00	108.00	216.00	93.60	36.00	72.00	144.00	288.00
433	18.04	54.13	108.25	216.50	93.82	36.08	72.17	144.33	288.67
434	18.08	54.25	108.50	217.00	94.03	36.17	72.33	144.67	289.33
435	18.13	54.38	108.75	217.50	94.25	36.25	72.50	145.00	290.00
436	18.17	54.50	109.00	218.00	94.47	36.33	72.67	145.33	290.67
437	18.21	54.63	109.25	218.50	94.68	36.42	72.83	145.67	291.33
438	18.25	54.75	109.50	219.00	94.90	36.50	73.00	146.00	292.00
439	18.29	54.88	109.75	219.50	95.12	36.58	73.17	146.33	292.67
440	18.33	55.00	110.00	220.00	95.33	36.67	73.33	146.67	293.33
441	18.38	55.13	110.25	220.50	95.55	36.75	73.50	147.00	294.00
442	18.42	55.25	110.50	221.00	95.77	36.83	73.67	147.33	294.67
443	18.46	55.38	110.75	221.50	95.98	36.92	73.83	147.67	295.33
444	18.50	55.50	111.00	222.00	96.20	37.00	74.00	148.00	296.00
445	18.54	55.63	111.25	222.50	96.42	37.08	74.17	148.33	296.67
446	18.58	55.75	111.50	223.00	96.63	37.17	74.33	148.67	297.33
447	18.63	55.88	111.75	223.50	96.85	37.25	74.50	149.00	298.00
448	18.67	56.00	112.00	224.00	97.07	37.33	74.67	149.33	298.67
449	18.71	56.13	112.25	224.50	97.28	37.42	74.83	149.67	299.33
450	18.75	56.25	112.50	225.00	97.50	37.50	75.00	150.00	300.00

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prepared by Richard J. Guenzel, Wyoming Game and Fish Dept., Laramie, WY 82070									
Height AGL (ft)	Corrected Distance Mid-Point (m)				OFFSET AND CUT-POINT ADJUSTMENTS				
	A	B	C	D	BLIND (65m)	A (25m)	B (50m)	C (100m)	D (200m)
450	18.75	56.25	112.50	225.00	97.50	37.50	75.00	150.00	300.00
451	18.79	56.38	112.75	225.50	97.72	37.58	75.17	150.33	300.67
452	18.83	56.50	113.00	226.00	97.93	37.67	75.33	150.67	301.33
453	18.88	56.63	113.25	226.50	98.15	37.75	75.50	151.00	302.00
454	18.92	56.75	113.50	227.00	98.37	37.83	75.67	151.33	302.67
455	18.96	56.88	113.75	227.50	98.58	37.92	75.83	151.67	303.33
456	19.00	57.00	114.00	228.00	98.80	38.00	76.00	152.00	304.00
457	19.04	57.13	114.25	228.50	99.02	38.08	76.17	152.33	304.67
458	19.08	57.25	114.50	229.00	99.23	38.17	76.33	152.67	305.33
459	19.13	57.38	114.75	229.50	99.45	38.25	76.50	153.00	306.00
460	19.17	57.50	115.00	230.00	99.67	38.33	76.67	153.33	306.67
461	19.21	57.63	115.25	230.50	99.88	38.42	76.83	153.67	307.33
462	19.25	57.75	115.50	231.00	100.10	38.50	77.00	154.00	308.00
463	19.29	57.88	115.75	231.50	100.32	38.58	77.17	154.33	308.67
464	19.33	58.00	116.00	232.00	100.53	38.67	77.33	154.67	309.33
465	19.38	58.13	116.25	232.50	100.75	38.75	77.50	155.00	310.00
466	19.42	58.25	116.50	233.00	100.97	38.83	77.67	155.33	310.67
467	19.46	58.38	116.75	233.50	101.18	38.92	77.83	155.67	311.33
468	19.50	58.50	117.00	234.00	101.40	39.00	78.00	156.00	312.00
469	19.54	58.63	117.25	234.50	101.62	39.08	78.17	156.33	312.67
470	19.58	58.75	117.50	235.00	101.83	39.17	78.33	156.67	313.33
471	19.63	58.88	117.75	235.50	102.05	39.25	78.50	157.00	314.00
472	19.67	59.00	118.00	236.00	102.27	39.33	78.67	157.33	314.67
473	19.71	59.13	118.25	236.50	102.48	39.42	78.83	157.67	315.33
474	19.75	59.25	118.50	237.00	102.70	39.50	79.00	158.00	316.00
475	19.79	59.38	118.75	237.50	102.92	39.58	79.17	158.33	316.67
476	19.83	59.50	119.00	238.00	103.13	39.67	79.33	158.67	317.33
477	19.88	59.63	119.25	238.50	103.35	39.75	79.50	159.00	318.00
478	19.92	59.75	119.50	239.00	103.57	39.83	79.67	159.33	318.67
479	19.96	59.88	119.75	239.50	103.78	39.92	79.83	159.67	319.33
480	20.00	60.00	120.00	240.00	104.00	40.00	80.00	160.00	320.00
481	20.04	60.13	120.25	240.50	104.22	40.08	80.17	160.33	320.67
482	20.08	60.25	120.50	241.00	104.43	40.17	80.33	160.67	321.33
483	20.13	60.38	120.75	241.50	104.65	40.25	80.50	161.00	322.00
484	20.16	60.50	121.00	242.00	104.87	40.33	80.67	161.33	322.67
485	20.21	60.63	121.25	242.50	105.08	40.42	80.83	161.67	323.33
486	20.25	60.75	121.50	243.00	105.30	40.50	81.00	162.00	324.00
487	20.29	60.88	121.75	243.50	105.52	40.58	81.17	162.33	324.67
488	20.33	61.00	122.00	244.00	105.73	40.67	81.33	162.67	325.33
489	20.38	61.13	122.25	244.50	105.95	40.75	81.50	163.00	326.00
490	20.42	61.25	122.50	245.00	106.17	40.83	81.67	163.33	326.67
491	20.46	61.38	122.75	245.50	106.38	40.92	81.83	163.67	327.33
492	20.50	61.50	123.00	246.00	106.60	41.00	82.00	164.00	328.00
493	20.54	61.63	123.25	246.50	106.82	41.08	82.17	164.33	328.67
494	20.58	61.75	123.50	247.00	107.03	41.17	82.33	164.67	329.33
495	20.63	61.88	123.75	247.50	107.25	41.25	82.50	165.00	330.00
496	20.67	62.00	124.00	248.00	107.47	41.33	82.67	165.33	330.67
497	20.71	62.13	124.25	248.50	107.68	41.42	82.83	165.67	331.33
498	20.75	62.25	124.50	249.00	107.90	41.50	83.00	166.00	332.00
499	20.79	62.38	124.75	249.50	108.12	41.58	83.17	166.33	332.67
500	20.83	62.50	125.00	250.00	108.33	41.67	83.33	166.67	333.33

AERIAL LINE TRANSECT ANALYSIS - Wyoming Technique

TABLE OF MIDPOINT CONVERSIONS FOR HEIGHT BASED ON 300' AGL

prepared by Richard J. Guezel, Wyoming Game and Fish Dept., Laramie, WY 82070

Height AGL (ft)	Corrected Distance Mid-Point (m)				OFFSET AND CUT-POINT ADJUSTMENTS				
	A	B	C	D	BLIND (65m)	A (25m)	B (50m)	C (100m)	D (200m)
500	20.83	62.50	125.00	250.00	108.33	41.67	83.33	166.67	333.33
501	20.88	62.63	125.25	250.50	108.55	41.75	83.50	167.00	334.00
502	20.92	62.75	125.50	251.00	108.77	41.83	83.67	167.33	334.67
503	20.96	62.88	125.75	251.50	108.98	41.92	83.83	167.67	335.33
504	21.00	63.00	126.00	252.00	109.20	42.00	84.00	168.00	336.00
505	21.04	63.13	126.25	252.50	109.42	42.08	84.17	168.33	336.67
506	21.08	63.25	126.50	253.00	109.63	42.17	84.33	168.67	337.33
507	21.13	63.38	126.75	253.50	109.85	42.25	84.50	169.00	338.00
508	21.17	63.50	127.00	254.00	110.07	42.33	84.67	169.33	338.67
509	21.21	63.63	127.25	254.50	110.28	42.42	84.83	169.67	339.33
510	21.25	63.75	127.50	255.00	110.50	42.50	85.00	170.00	340.00
511	21.29	63.88	127.75	255.50	110.72	42.58	85.17	170.33	340.67
512	21.33	64.00	128.00	256.00	110.93	42.67	85.33	170.67	341.33
513	21.38	64.13	128.25	256.50	111.15	42.75	85.50	171.00	342.00
514	21.42	64.25	128.50	257.00	111.37	42.83	85.67	171.33	342.67
515	21.46	64.38	128.75	257.50	111.58	42.92	85.83	171.67	343.33
516	21.50	64.50	129.00	258.00	111.80	43.00	86.00	172.00	344.00
517	21.54	64.63	129.25	258.50	112.02	43.08	86.17	172.33	344.67
518	21.58	64.75	129.50	259.00	112.23	43.17	86.33	172.67	345.33
519	21.63	64.88	129.75	259.50	112.45	43.25	86.50	173.00	346.00
520	21.67	65.00	130.00	260.00	112.67	43.33	86.67	173.33	346.67
521	21.71	65.13	130.25	260.50	112.88	43.42	86.83	173.67	347.33
522	21.75	65.25	130.50	261.00	113.10	43.50	87.00	174.00	348.00
523	21.79	65.38	130.75	261.50	113.32	43.58	87.17	174.33	348.67
524	21.83	65.50	131.00	262.00	113.53	43.67	87.33	174.67	349.33
525	21.88	65.63	131.25	262.50	113.75	43.75	87.50	175.00	350.00
526	21.92	65.75	131.50	263.00	113.97	43.83	87.67	175.33	350.67
527	21.96	65.88	131.75	263.50	114.18	43.92	87.83	175.67	351.33
528	22.00	66.00	132.00	264.00	114.40	44.00	88.00	176.00	352.00
529	22.04	66.13	132.25	264.50	114.62	44.08	88.17	176.33	352.67
530	22.08	66.25	132.50	265.00	114.83	44.17	88.33	176.67	353.33
531	22.13	66.38	132.75	265.50	115.05	44.25	88.50	177.00	354.00
532	22.17	66.50	133.00	266.00	115.27	44.33	88.67	177.33	354.67
533	22.21	66.63	133.25	266.50	115.48	44.42	88.83	177.67	355.33
534	22.25	66.75	133.50	267.00	115.70	44.50	89.00	178.00	356.00
535	22.29	66.88	133.75	267.50	115.92	44.58	89.17	178.33	356.67
536	22.33	67.00	134.00	268.00	116.13	44.67	89.33	178.67	357.33
537	22.38	67.13	134.25	268.50	116.35	44.75	89.50	179.00	358.00
538	22.42	67.25	134.50	269.00	116.57	44.83	89.67	179.33	358.67
539	22.46	67.38	134.75	269.50	116.78	44.92	89.83	179.67	359.33
540	22.50	67.50	135.00	270.00	117.00	45.00	90.00	180.00	360.00
541	22.54	67.63	135.25	270.50	117.22	45.08	90.17	180.33	360.67
542	22.58	67.75	135.50	271.00	117.43	45.17	90.33	180.67	361.33
543	22.63	67.88	135.75	271.50	117.65	45.25	90.50	181.00	362.00
544	22.67	68.00	136.00	272.00	117.87	45.33	90.67	181.33	362.67
545	22.71	68.13	136.25	272.50	118.08	45.42	90.83	181.67	363.33
546	22.75	68.25	136.50	273.00	118.30	45.50	91.00	182.00	364.00
547	22.79	68.38	136.75	273.50	118.52	45.58	91.17	182.33	364.67
548	22.83	68.50	137.00	274.00	118.73	45.67	91.33	182.67	365.33
549	22.88	68.63	137.25	274.50	118.95	45.75	91.50	183.00	366.00
550	22.92	68.75	137.50	275.00	119.17	45.83	91.67	183.33	366.67

AERIAL LINE TRANSECT ANALYSIS - Wyoming Technique									
TABLE OF MIDPOINT CONVERSIONS FOR HEIGHT BASED ON 300' AGL									
prepared by Richard J. Guenzel, Wyoming Game and Fish Dept., Laramie, WY #2070									
Height AGL (ft)	Corrected Distance Mid-Point (m)				OFFSET AND CUT-POINT ADJUSTMENTS				
	A	B	C	D	BLIND (65m)	A (25m)	B (50m)	C (100m)	D (200m)
550	22.92	68.75	137.50	275.00	119.17	45.83	91.67	183.33	366.67
551	22.96	68.88	137.75	275.50	119.38	45.92	91.83	183.67	367.33
552	23.00	69.00	138.00	276.00	119.60	46.00	92.00	184.00	368.00
553	23.04	69.13	138.25	276.50	119.82	46.08	92.17	184.33	368.67
554	23.08	69.25	138.50	277.00	120.03	46.17	92.33	184.67	369.33
555	23.13	69.38	138.75	277.50	120.25	46.25	92.50	185.00	370.00
556	23.17	69.50	139.00	278.00	120.47	46.33	92.67	185.33	370.67
557	23.21	69.63	139.25	278.50	120.68	46.42	92.83	185.67	371.33
558	23.25	69.75	139.50	279.00	120.90	46.50	93.00	186.00	372.00
559	23.29	69.88	139.75	279.50	121.12	46.58	93.17	186.33	372.67
560	23.33	70.00	140.00	280.00	121.33	46.67	93.33	186.67	373.33
561	23.38	70.13	140.25	280.50	121.55	46.75	93.50	187.00	374.00
562	23.42	70.25	140.50	281.00	121.77	46.83	93.67	187.33	374.67
563	23.46	70.38	140.75	281.50	121.98	46.92	93.83	187.67	375.33
564	23.50	70.50	141.00	282.00	122.20	47.00	94.00	188.00	376.00
565	23.54	70.63	141.25	282.50	122.42	47.08	94.17	188.33	376.67
566	23.58	70.75	141.50	283.00	122.63	47.17	94.33	188.67	377.33
567	23.63	70.88	141.75	283.50	122.85	47.25	94.50	189.00	378.00
568	23.67	71.00	142.00	284.00	123.07	47.33	94.67	189.33	378.67
569	23.71	71.13	142.25	284.50	123.28	47.42	94.83	189.67	379.33
570	23.75	71.25	142.50	285.00	123.50	47.50	95.00	190.00	380.00
571	23.79	71.38	142.75	285.50	123.72	47.58	95.17	190.33	380.67
572	23.83	71.50	143.00	286.00	123.93	47.67	95.33	190.67	381.33
573	23.88	71.63	143.25	286.50	124.15	47.75	95.50	191.00	382.00
574	23.92	71.75	143.50	287.00	124.37	47.83	95.67	191.33	382.67
575	23.96	71.88	143.75	287.50	124.58	47.92	95.83	191.67	383.33
576	24.00	72.00	144.00	288.00	124.80	48.00	96.00	192.00	384.00
577	24.04	72.13	144.25	288.50	125.02	48.08	96.17	192.33	384.67
578	24.08	72.25	144.50	289.00	125.23	48.17	96.33	192.67	385.33
579	24.13	72.38	144.75	289.50	125.45	48.25	96.50	193.00	386.00
580	24.17	72.50	145.00	290.00	125.67	48.33	96.67	193.33	386.67
581	24.21	72.63	145.25	290.50	125.88	48.42	96.83	193.67	387.33
582	24.25	72.75	145.50	291.00	126.10	48.50	97.00	194.00	388.00
583	24.29	72.88	145.75	291.50	126.32	48.58	97.17	194.33	388.67
584	24.33	73.00	146.00	292.00	126.53	48.67	97.33	194.67	389.33
585	24.38	73.13	146.25	292.50	126.75	48.75	97.50	195.00	390.00
586	24.42	73.25	146.50	293.00	126.97	48.83	97.67	195.33	390.67
587	24.46	73.38	146.75	293.50	127.18	48.92	97.83	195.67	391.33
588	24.50	73.50	147.00	294.00	127.40	49.00	98.00	196.00	392.00
589	24.54	73.63	147.25	294.50	127.62	49.08	98.17	196.33	392.67
590	24.58	73.75	147.50	295.00	127.83	49.17	98.33	196.67	393.33
591	24.63	73.88	147.75	295.50	128.05	49.25	98.50	197.00	394.00
592	24.67	74.00	148.00	296.00	128.27	49.33	98.67	197.33	394.67
593	24.71	74.13	148.25	296.50	128.48	49.42	98.83	197.67	395.33
594	24.75	74.25	148.50	297.00	128.70	49.50	99.00	198.00	396.00
595	24.79	74.38	148.75	297.50	128.92	49.58	99.17	198.33	396.67
596	24.83	74.50	149.00	298.00	129.13	49.67	99.33	198.67	397.33
597	24.88	74.63	149.25	298.50	129.35	49.75	99.50	199.00	398.00
598	24.92	74.75	149.50	299.00	129.57	49.83	99.67	199.33	398.67
599	24.96	74.88	149.75	299.50	129.78	49.92	99.83	199.67	399.33
600	25.00	75.00	150.00	300.00	130.00	50.00	100.00	200.00	400.00