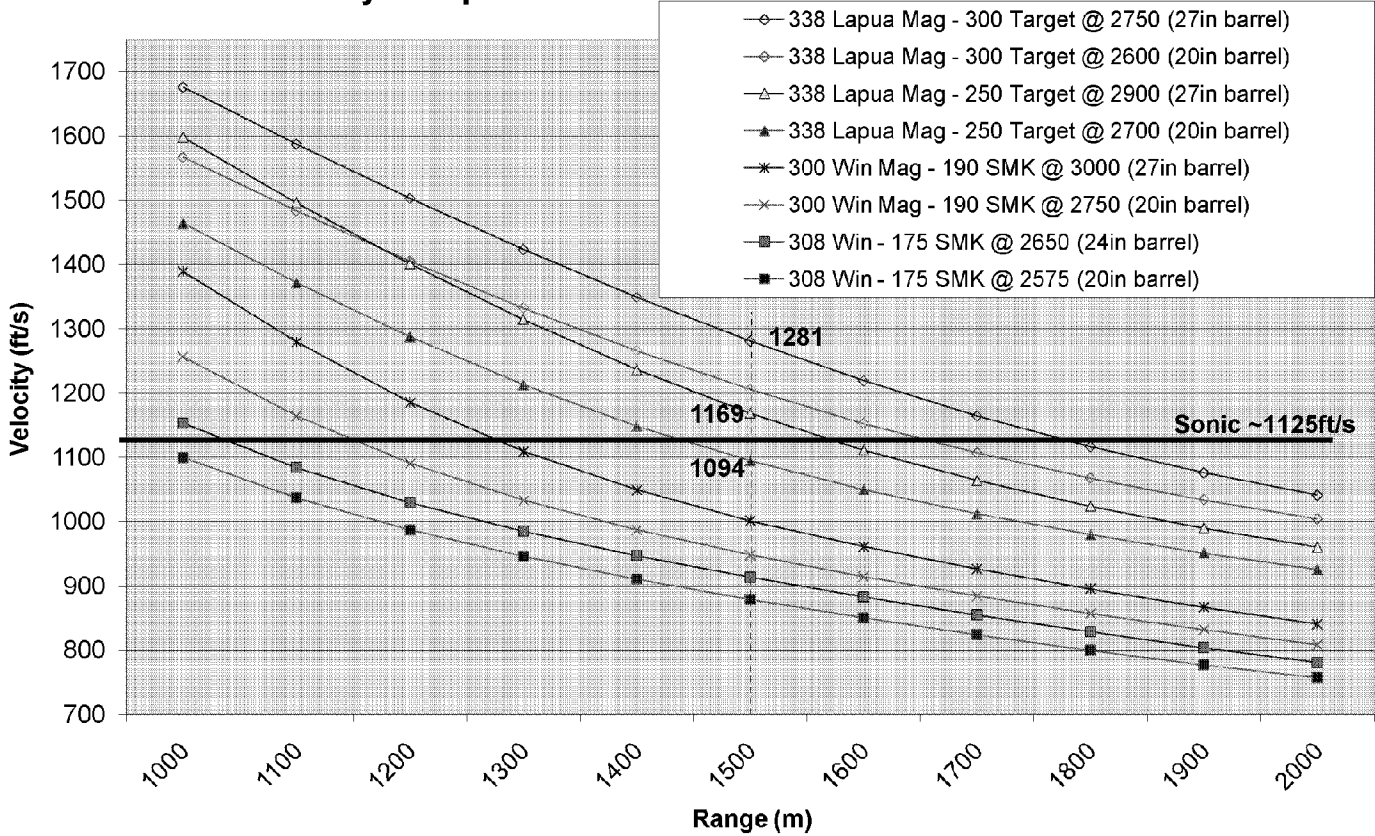
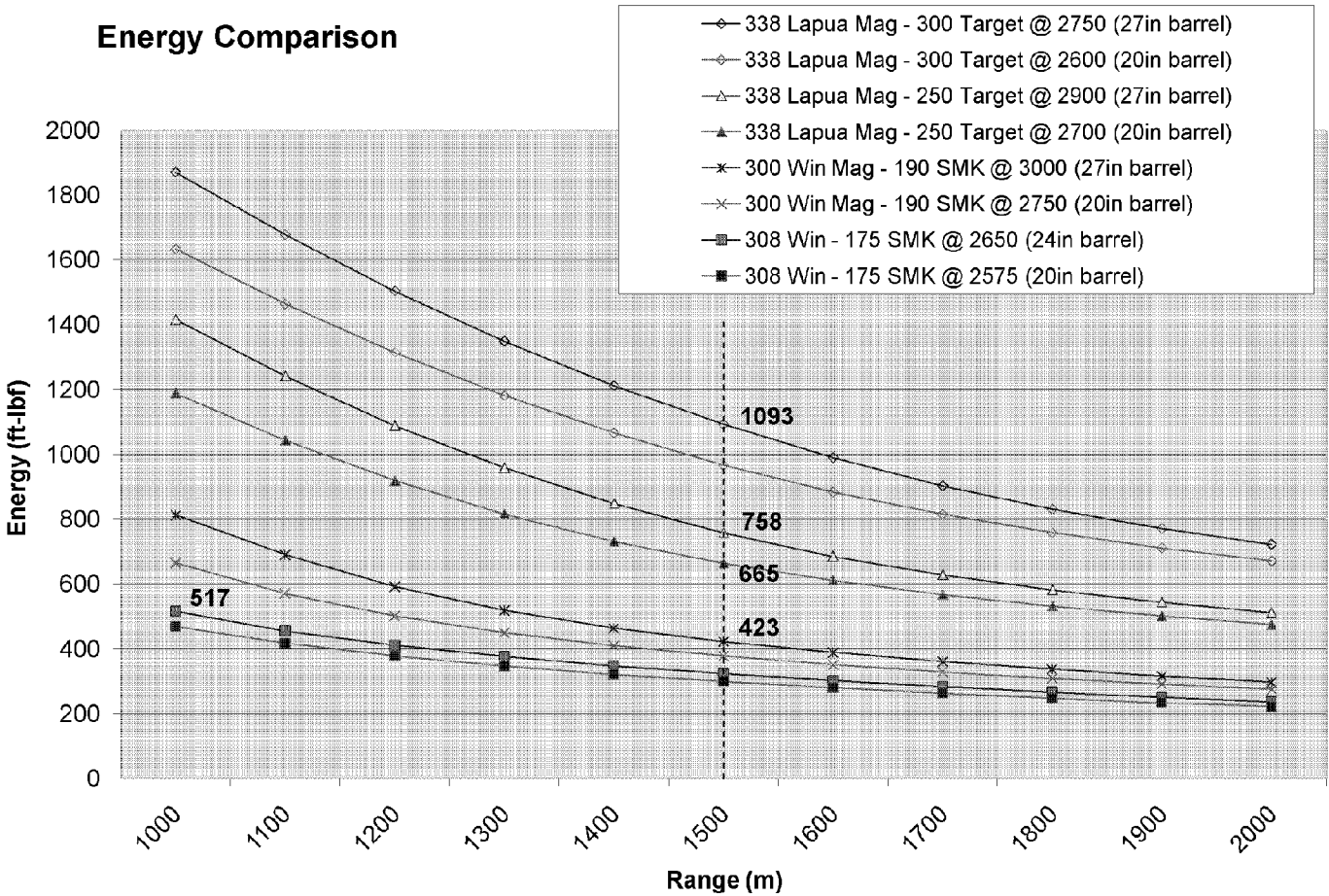
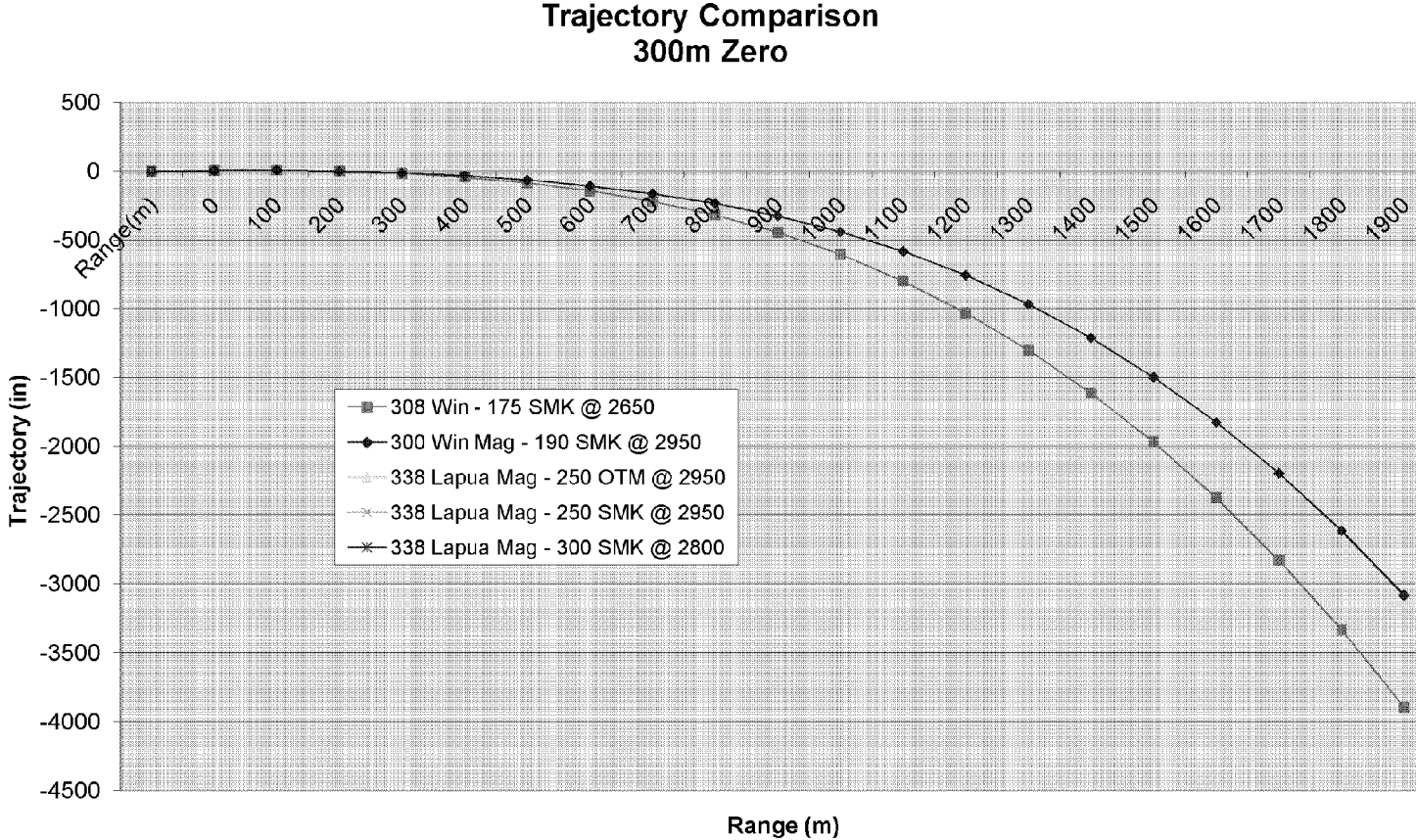


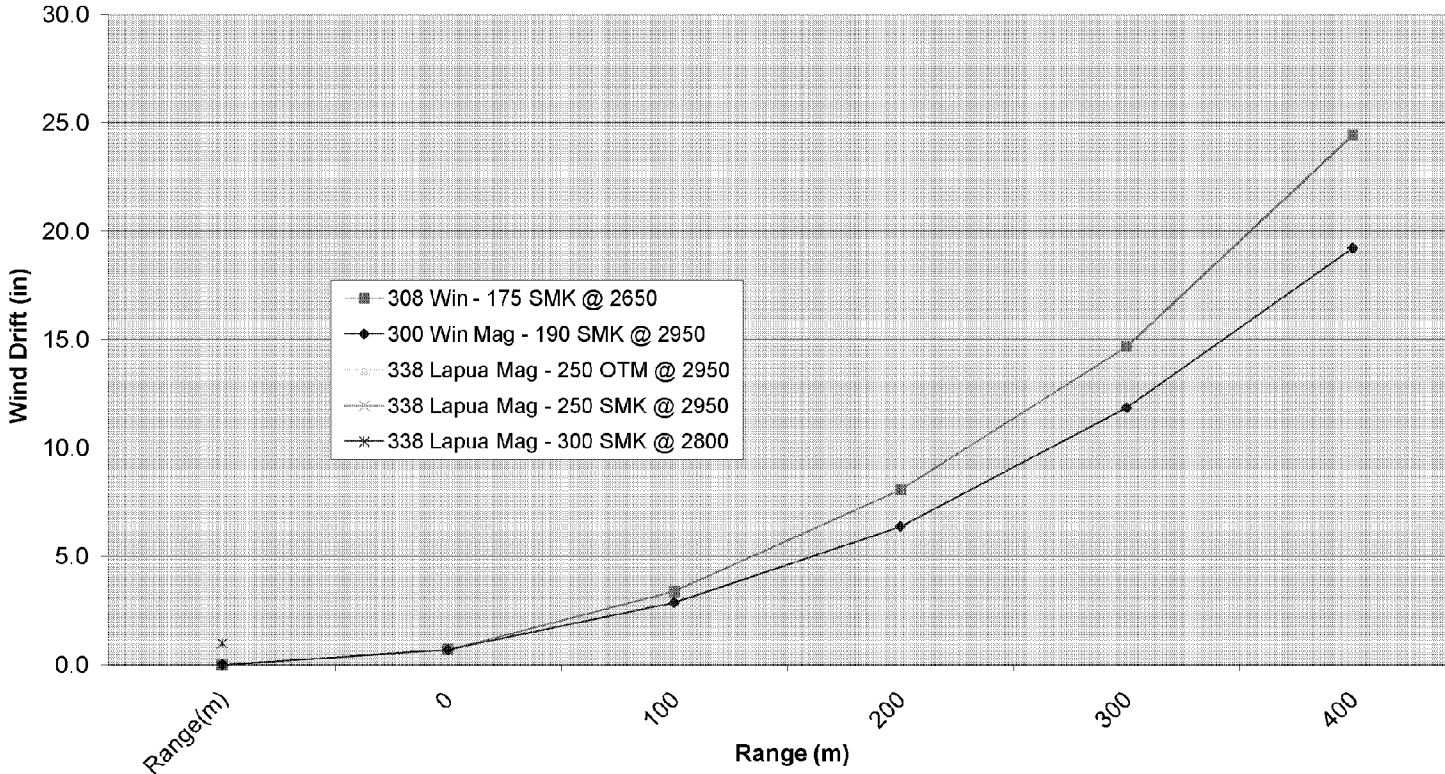
Velocity Comparison







Wind Drift Comparison
10 mph @ 90*



308 Win
175 gr Sierra MK (#2275)
20" barrel

Range(m)	Range(yd)	V(fps)	t(s)	Energy(ft.lbs)	Path to LOS(in)	WindDefl(in)	Drop(in)	Elev (MOA)	Path (in)	WindZero(in)
0	0	2575	0.0000	2576						
100	109	2381	0.1321	2203						
200	218	2196	0.2751	1874						
300	327	2019	0.4303	1584						
400	436	1850	0.5995	1331						
500	545	1690	0.7844	1110						
600	654	1540	0.9871	922						
700	763	1403	1.2097	765						
800	872	1283	1.4536	639						
900	981	1181	1.7197	542						
1000	1090	1100	2.0071	470						
1100	1199	1037	2.3139	418						
1200	1308	987	2.6377	379						
1300	1417	946	2.9768	348						
1400	1526	911	3.3302	322						
1500	1635	879	3.6972	300						
1600	1744	850	4.0774	281						
1700	1853	824	4.4707	264						
1800	1962	800	4.8769	249						
1900	2071	777	5.2963	235						
2000	2180	758	5.6887	223						

Lead (yd)

308 Win
175 gr Sierra MK (#2275)
24" barrel

Range(m)	Range(yd)	V(fps)	t(s)	Energy(ft.lbs)	Path to LOS(in)	WindDefl(in)	Drop(in)	Elev (MOA)	Path (in)	WindZero(in)
0	0	2650	0.0000	2729	-2	0.0	0.0	9.6	0.0	0.0
100	109	2457	0.1274	2346	6	0.7	-3.1	4.0	7.3	-2.0
200	218	2273	0.2661	2007	7	3.4	-13.0	6.3	7.7	-2.0
300	327	2096	0.4161	1707	0	8.1	-31.0	9.5	0.1	0.0
400	436	1927	0.5770	1442	-16	14.7	-57.9	13.0	-16.5	3.9
500	545	1767	0.7559	1213	-44	24.4	-96.8	17.2	-45.0	10.9
600	654	1615	0.9510	1013	-85	37.1	-149.1	22.0	-87.0	20.9
700	763	1474	1.1610	844	-142	52.3	-216.3	27.3	-143.8	33.4
800	872	1350	1.3938	708	-219	71.6	-304.0	33.5	-221.2	50.0
900	981	1241	1.6462	599	-318	94.3	-414.5	40.5	-321.3	70.0
1000	1090	1153	1.9200	517	-446	120.7	-553.0	48.6	-449.5	93.7
1100	1199	1084	2.2128	457	-605	150.6	-723.0	57.7	-609.2	120.8
1200	1308	1030	2.5225	412	-799	183.4	-927.8	67.8	-803.6	150.9
1300	1417	985	2.8469	377	-1030	218.7	-1169.3	78.9	-1034.7	183.6
1400	1526	947	3.1864	349	-1301	256.8	-1451.3	90.9	-1306.4	218.9
1500	1635	914	3.5380	324	-1613	296.9	-1774.5	103.7	-1619.2	256.4
1600	1744	883	3.9011	303	-1969	339.1	-2141.1	117.3	-1975.4	295.9
1700	1853	855	4.2784	284	-2374	383.8	-2557.0	131.8	-2381.0	337.9
1800	1962	829	4.6670	267	-2828	430.5	-3022.1	147.1	-2835.8	381.8
1900	2071	804	5.0662	251	-3334	479.0	-3538.6	163.1	-3341.9	427.7
2000	2180	781	5.4788	237	-3898	529.9	-4113.2	180.1	-3906.1	475.9

Lead (yd)
0.0
1.4
2.9
4.3
6.3
8.3
10.4
12.7
15.2
18.0
21.0
24.2
27.6
31.1
34.8
38.7
42.7
46.8
51.0
55.4
59.9

300 Win Mag
190 gr Sierra MK (#2210)
20" barrel

Range(m)	Range(yd)	V(fps)	t(s)	Energy(ft.lbs)	Path to LOS(in)	WindDefl(in)	Drop(in)	Elev (MOA)	Path (in)	WindZero(in)
0	0	2800	0.0000	3307						
100	109	2611	0.1210	2875						
200	218	2429	0.2508	2488						
300	327	2255	0.3906	2144						
400	436	2087	0.5413	1837						
500	545	1925	0.7045	1563						
600	654	1771	0.8816	1323						
700	763	1626	1.0744	1115						
800	872	1490	1.2846	936						
900	981	1366	1.5140	787						
1000	1090	1256	1.7639	666						
1100	1199	1164	2.0347	572						
1200	1308	1091	2.3254	502						
1300	1417	1034	2.6341	451						
1400	1526	987	2.9586	411						
1500	1635	948	3.2977	379						
1600	1744	915	3.6501	353						
1700	1853	884	4.0155	330						
1800	1962	857	4.3934	310						
1900	2071	832	4.7837	292						
2000	2180	809	5.1863	276						

Lead (yd)

300 Win Mag
190 gr Sierra MK (#2210)
26" barrel

Range(m)	Range(yd)	V(fps)	t(s)	Energy(ft.lbs)	Path to LOS(in)	WindDefl(in)	Drop(in)	Elev (MOA)	Path (in)	WindZero(in)
0	0	2950	0.0000	3671	-1.5	0.0	0.0	7.7	0.0	0.0
100	109	2758	0.1149	3208	4.7	0.7	-2.5	3.5	5.7	-1.4
200	218	2574	0.2381	2794	5.4	2.9	-10.5	5.2	5.9	-1.4
300	327	2397	0.3688	2423	0.1	6.4	-24.5	7.6	0.1	0.0
400	436	2227	0.5108	2092	-12.7	11.9	-46.0	10.4	-13.1	3.3
500	545	2064	0.6635	1797	-33.7	19.2	-75.7	13.5	-34.7	8.6
600	654	1905	0.8265	1530	-63.9	28.4	-114.6	16.9	-65.4	15.6
700	763	1755	1.0068	1299	-106.5	40.6	-165.9	20.9	-108.5	25.7
800	872	1615	1.2030	1100	-163.0	55.7	-231.1	25.5	-165.5	38.6
900	981	1481	1.4128	925	-234.3	73.1	-311.1	30.4	-237.3	53.8
1000	1090	1361	1.6435	781	-325.9	94.2	-411.4	36.2	-329.4	72.8
1100	1199	1254	1.8937	663	-440.5	118.7	-534.7	42.7	-444.5	95.2
1200	1308	1165	2.1648	572	-583.1	146.9	-686.0	50.2	-587.5	121.3
1300	1417	1093	2.4548	504	-757.1	178.4	-868.7	58.6	-762.0	150.7
1400	1526	1037	2.7623	453	-966.0	213.0	-1086.4	68.1	-971.5	183.1
1500	1635	991	3.0850	414	-1212.2	250.3	-1341.3	78.4	-1218.2	218.3
1600	1744	952	3.4219	382	-1498.1	290.1	-1635.8	89.6	-1504.6	255.9
1700	1853	918	3.7723	356	-1826.2	332.3	-1972.6	101.7	-1833.1	296.0
1800	1962	888	4.1337	333	-2196.8	376.4	-2351.9	114.5	-2204.3	337.9
1900	2071	860	4.5078	312	-2614.7	422.7	-2778.6	128.1	-2622.7	382.1
2000	2180	834	4.8947	294	-3083.4	471.3	-3255.9	142.6	-3091.9	428.6

Lead (yd)
0.0
1.3
2.6
4.0
5.6
7.3
9.0
11.0
13.2
15.5
18.0
20.7
23.7
26.8
30.2
33.7
37.4
41.3
45.2
49.3
53.5

300 Win Mag
190 gr Sierra MK (#2210)
27" barrel

Range(m)	Range(yd)	V(fps)	t(s)	Energy(ft.lbs)	Path to LOS(in)	WindDefl(in)	Drop(in)	Elev (MOA)	Path (in)	WindZero(in)
0	0	3000	0.0000	3796	-1.50	0.00	0.00	16.50	0.00	0.00
100	109	2806	0.1128	3320	14.86	0.66	-2.40	3.42	16.11	-3.98
200	218	2619	0.2339	2894	25.91	2.80	-10.10	5.08	26.91	-6.48
300	327	2441	0.3625	2512	31.06	6.25	-23.71	7.36	31.81	-7.67
400	436	2269	0.5016	2171	29.18	11.55	-44.34	10.04	29.68	-7.01
500	545	2104	0.6518	1868	19.17	18.79	-73.10	13.07	19.43	-4.41
600	654	1944	0.8117	1594	0.41	27.75	-110.62	16.37	0.42	-0.09
700	763	1792	0.9875	1354	-29.97	39.51	-159.76	20.18	-30.22	7.03
800	872	1649	1.1800	1147	-74.12	54.21	-222.66	24.55	-74.61	17.09
900	981	1513	1.3864	966	-132.67	71.34	-299.97	29.35	-133.41	29.58
1000	1090	1389	1.6110	814	-209.69	91.70	-395.74	34.80	-210.68	45.30
1100	1199	1280	1.8570	691	-309.83	115.80	-514.64	41.11	-311.07	64.76
1200	1308	1186	2.1225	593	-436.02	143.35	-659.58	48.26	-437.51	87.67
1300	1417	1109	2.4079	519	-593.07	174.39	-835.39	56.39	-594.81	114.07
1400	1526	1050	2.7112	465	-784.45	208.59	-1045.53	65.51	-796.44	143.63
1500	1635	1002	3.0303	423	-1012.56	245.57	-1292.39	75.56	-1014.80	175.97
1600	1744	961	3.3634	390	-1279.30	285.01	-1577.88	86.46	-1281.78	210.77
1700	1853	927	3.7109	362	-1588.28	326.99	-1905.62	98.26	-1591.02	248.11
1800	1962	895	4.0697	338	-1939.53	370.96	-2275.63	110.79	-1942.51	287.44
1900	2071	867	4.4401	317	-2335.93	416.96	-2690.79	124.09	-2339.17	328.80
2000	2180	841	4.8240	298	-2783.10	465.35	-3156.71	138.27	-2786.58	372.55

Lead (yd)
0.00
1.23
2.56
3.96
5.49
7.13
8.88
10.80
12.90
15.16
17.82
20.31
23.21
26.33
29.65
33.14
36.78
40.58
44.51
48.56
52.76

338 Lapua Mag
250 gr Target
20" barrel

Range(m)	Range(yd)	V(fps)	t(s)	Energy(ft.lbs)	Path to LOS(in)	WindDefl(in)	Drop(in)	Elev (MOA)	Path (in)	WindZero(in)
0	0	2700.000086	0	4046						
100	109	2555.471621	0.124491953	3625						
200	218	2415.519152	0.256109674	3238						
300	327	2279.952357	0.395453414	2885						
400	436	2148.670679	0.543197432	2562						
500	545	2021.742097	0.700096556	2269						
600	654	1899.39361	0.866979724	2002						
700	763	1781.916256	1.044748487	1762						
800	872	1669.766291	1.234362434	1547						
900	981	1563.528696	1.436809082	1357						
1000	1090	1463.883481	1.653057559	1189						
1100	1199	1371.616211	1.88398798	1044						
1200	1308	1287.678364	2.130281531	920						
1300	1417	1213.124603	2.392266331	817						
1400	1526	1148.845834	2.669748961	733						
1500	1635	1094.919984	2.961954562	665						
1600	1744	1050.0861	3.267728789	612						
1700	1853	1012.357391	3.585893442	569						
1800	1962	979.9518286	3.915484501	533						
1900	2071	951.3751646	4.255789105	502						
2000	2180	925.8166665	4.606285766	476						

Lead (yd)

338 Lapua Mag
250 gr Target
27" barrel

Range(m)	Range(yd)	V(fps)	t(s)	Energy(ft.lbs)	Path to LOS(in)	WindDefl(in)	Drop(in)	Elev (MOA)	Path (in)	WindZero(in)	Lead (yd)
0	0	2900	0.0000	4668							
100	109	2749	0.1158	4194							
200	218	2603	0.2381	3760							
300	327	2461	0.3673	3362							
400	436	2324	0.5040	2998							
500	545	2192	0.6489	2666							
600	654	2063	0.8027	2363							
700	763	1939	0.9662	2087							
800	872	1820	1.1402	1839							
900	981	1706	1.3258	1616							
1000	1090	1598	1.5239	1417							
1100	1199	1496	1.7355	1242							
1200	1308	1401	1.9615	1090							
1300	1417	1314	2.2027	959							
1400	1526	1237	2.4595	849							
1500	1635	1169	2.7320	758							
1600	1744	1112	3.0194	686							
1700	1853	1064	3.3209	628							
1800	1962	1024	3.6351	582							
1900	2071	990	3.9611	544							
2000	2180	960	4.2980	512							

338 Lapua Mag
300 gr Target
20" barrel

Range(m)	Range(yd)	V(fps)	t(s)	Energy(ft.lbs)	Path to LOS(in)	WindDefl(in)	Drop(in)	Elev (MOA)	Path (in)	WindZero(in)	Lead (yd)
0	0	2600	0.0000	4502							
100	109	2483	0.1287	4105							
200	218	2368	0.2636	3735							
300	327	2257	0.4050	3392							
400	436	2148	0.5535	3074							
500	545	2043	0.7096	2780							
600	654	1941	0.8738	2509							
700	763	1842	1.0468	2259							
800	872	1746	1.2292	2031							
900	981	1654	1.4216	1823							
1000	1090	1567	1.6248	1635							
1100	1199	1483	1.8395	1466							
1200	1308	1405	2.0661	1315							
1300	1417	1332	2.3053	1182							
1400	1526	1266	2.5574	1067							
1500	1635	1206	2.8225	968							
1600	1744	1153	3.1005	885							
1700	1853	1107	3.3907	816							
1800	1962	1066	3.6924	759							
1900	2071	1034	4.0048	712							
2000	2180	1004	4.3272	672							

338 Lapua Mag
300 gr Target
27" barrel

Range(m)	Range(yd)	V(fps)	t(s)	Energy(ft.lbs)	Path to LOS(in)	WindDefl(in)	Drop(in)	Elev (MOA)	Path (in)	WindZero(in)
0	0	2750.000088	0	5036.778787						
100	109	2628.607633	0.12162618	4601.919221						
200	218	2510.472162	0.248921794	4197.573233						
300	327	2395.413337	0.382269562	3821.627807						
400	436	2283.352559	0.522092733	3472.429273						
500	545	2174.232062	0.668856932	3148.467781						
600	654	2068.065308	0.823074608	2848.498274						
700	763	1964.987125	0.98530053	2571.620505						
800	872	1865.127054	1.156131599	2316.884078						
900	981	1768.686784	1.336204227	2083.479939						
1000	1090	1675.94184	1.526184289	1870.705177						
1100	1199	1587.231206	1.726751781	1677.906855						
1200	1308	1502.936066	1.938579112	1504.417838						
1300	1417	1423.476867	2.162300156	1349.547856						
1400	1526	1349.350841	2.398466084	1212.654911						
1500	1635	1281.125382	2.64748156	1093.127281						
1600	1744	1219.413264	2.909526569	990.3513342						
1700	1853	1164.741995	3.184475615	903.5390566						
1800	1962	1117.275983	3.471862005	831.3968758						
1900	2071	1076.569306	3.770951268	771.9184982						
2000	2180	1041.628364	4.080916031	722.6251241						

Lead (yd)

338 Lapua Mag
300 gr Target
27" barrel

Range(m)	Range(yd)	V(fps)	Traj (in)	V(fps)	Traj (in)	V(fps)	Traj (in)		
0	0	2750	-3.0	2725	-3.0	2775	-3.0		
100	109	2629	14.6	2604	15.0	2653	14.3		
200	218	2510	26.3	2487	26.8	2534	25.7		
300	327	2395	31.4	2372	32.0	2418	30.8		
400	436	2283	29.3	2261	29.9	2306	28.7		
500	545	2174	19.2	2152	19.6	2196	18.9		
600	654	2068	0.0	2047	0.0	2089	0.0		
700	763	1965	-28.0	1944	-28.5	1986	-27.4		
800	872	1865	-67.1	1845	-68.5	1885	-65.8		
900	981	1769	-118.1	1749	-120.6	1788	-115.7		
1000	1090	1676	-182.4	1658	-186.2	1694	-178.7		
1100	1199	1587	-261.3	1570	-266.9	1605	-256.0		
1200	1308	1503	-356.7	1486	-364.3	1520	-349.3		
1300	1417	1423	-470.4	1408	-480.4	1439	-460.6		
1400	1526	1349	-604.5	1335	-617.5	1364	-591.9		
1500	1635	1281	-761.3	1268	-777.7	1294	-745.4	15.9	32.3
1600	1744	1219	-943.3	1208	-963.6	1231	-923.5	1.01	2.06
1700	1853	1165	-1153.2	1155	-1178.0	1175	-1129.0		
1800	1962	1117	-1393.6	1108	-1423.4	1126	-1364.5		
1900	2071	1077	-1667.2	1069	-1702.6	1084	-1632.6		
2000	2180	1042	-1976.6	1035	-2018.1	1048	-1936.0		

Range (m)	MOA (m)	MOA(in)	Range (yds)	MOA (yds)	MOA(in)
100	0.03	1.15	100	0.03	1.05
200	0.06	2.29	200	0.06	2.09
300	0.09	3.44	300	0.09	3.14
400	0.12	4.58	400	0.12	4.19
500	0.15	5.73	500	0.15	5.24
600	0.17	6.87	600	0.17	6.28
700	0.20	8.02	700	0.20	7.33
800	0.23	9.16	800	0.23	8.38
900	0.26	10.31	900	0.26	9.43
1000	0.29	11.45	1000	0.29	10.47
1100	0.32	12.60	1100	0.32	11.52
1200	0.35	13.74	1200	0.35	12.57
1300	0.38	14.89	1300	0.38	13.61
1400	0.41	16.03	1400	0.41	14.66
1500	0.44	17.18	1500	0.44	15.71
1600	0.47	18.33	1600	0.47	16.76
1700	0.49	19.47	1700	0.49	17.80
1800	0.52	20.62	1800	0.52	18.85
1900	0.55	21.76	1900	0.55	19.90
2000	0.58	22.91	2000	0.58	20.95