Glenelg DMG 2019 Population model (Updated 13/8/19)

Starting population is the March 2016 deer count.

	Stags	Hinds	Calves	Totals	Density (/Km2)
2016 Spring Count	1087	2401	709	4197	11.95
2016 Summer Population	1442	2756		4197	11.95
2016/17 Actual Cull	129	205	63	397	
2017 Mortality/Leakage	115	55		170	
2017 Spring Population	1197	2495	1006	4699	13.38
2017 Summer Population	1700	2999		4699	13.38
2017/18 Actual Cull	163	270	84	517	
2018 Mortality/Leakage	136	60		196	
2018 Spring Population	1401	2669	437	4507	12.84
2018 Summer Population	1620	2887		4507	12.84
2018/19 Actual Cull	98	172	49	319	
2019 Mortality/Leakage	130	58		187	
2019 March count	1569	3008	735	5312	15.13
2019 Spring predicted Population	1392	2657	687	4736	13.49
2019 Summer Population	1937	3376		5312	15.13
2019/20 Cull	200	335	100	635	
2020 Mortality/Leakage	155	68		222	
2020 Spring Population	1582	2973	743	5298	15.09
2020 Summer Population	1953	3345		5298	15.09
2020/21 Cull	200	410	114	724	
2021 Mortality/Leakage	156	67		223	
2021 Spring Population	1597	2868	717	5182	14.76
2021 Summer Population	1955	3226		5182	14.76
2021/22 Cull	200	410	114	724	
2022 Mortality/Leakage	156	65		221	
2022 Spring Population	1599	2752	688	5039	14.35
2022 Target Spring Population	1600	2750	688	5038	14.35
2022 Summer Population	1943	3096		5039	14.35

Assumptions:
Mortality/Leakage = 8% stags. 2% hinds,
Recruitment rate = % of hinds that have a calf Surviving to Spring is taken from counts
50:50 sex ratio
Future recruitment is 25% based on historic group average
Target = Target population - aimed at providing sustainable sporting cull and delivery group habitat impact targets.

Methodology

Calving recruitment is based on spring counts the year following birth therefore summer population and mortality exlcuded. Cull calf numbers are shown for illustrative purposes only.

Glenelg DMG predicted Spring population