

Table 1: Estimates of Nessie's Density and Mass

Assumptions:											
Baryonic mass of Milky Way (Msuns)					1.25E+11						
Distance to Nessie (pc)					3,100						
Nickname	Length deg	Radius deg	Length pc	Radius pc	Average density cm ⁻³	H2 column density cm ⁻²	Equiv. Av mag	Mass Msuns	Mass per unit length Msuns/pc	# to equal mass of Milky Way	aspect ratio
<i>for innermost Spitzer IRDC...</i>											
"Nessie Classic"	1.5	0.005	81	0.3	1E+5	8E+22	81	1E+5	1,208	1E+6	150
"Nessie Extended"	3	0.005	162	0.3	1E+5	8E+22	81	2E+5	1,208	6E+5	300
"Nessie Optimistic"	8	0.005	431	0.3	1E+5	8E+22	81	5E+5	1,208	2E+5	800
<i>for envelope (width as observed in HNC, Jackson et al. 2010)...</i>											
"Nessie Classic"	1.5	0.05	81	2.7	5E+2	4E+21	4	5E+4	604	3E+6	15
"Nessie Extended"	3	0.05	162	2.7	5E+2	4E+21	4	1E+5	604	1E+6	30
"Nessie Optimistic"	8	0.05	431	2.7	5E+2	4E+21	4	3E+5	604	5E+5	80