Estimates of Bone Candidates' Densities and Masses

Assumptions: *Gas Mass of Milky Way (Msuns)* *1.25E+11* *1.25E+11*
Distance to Nessie (pc) *3,100*

Nickname	Length *deg*	Radius *deg*	Length *pc*	length *lyr*	Radius *pc*	volume *cc*	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
for innermost Spitzer IRDC ...													
"Nessie Classic"	1.5	0.005	81	243	0.3	5.0E+56	1E+05	8E+22	81	1.E+5	1,208	1.E+6	150
"Nessie Extended"	3	0.005	162	487	0.3	1.0E+57	1E+05	8E+22	81	2.E+5	1,208	6.E+5	300
"Nessie Optimistic"	8	0.005	431	1294	0.3	2.7E+57	1E+05	8E+22	81	5.E+5	1,208	2.E+5	800
"Candidate 1"	0.16	0.0015	13	38	0.1	1.5E+55	1E+05	4E+22	35	3E+03	229	4E+07	53
"Candidate 2"	0.16	0.0025	12	36	0.2	3.6E+55	1E+05	6E+22	56	7E+03	581	2E+07	32
"Candidate 3"	0.63	0.005	47	142	0.4	5.6E+56	1E+05	1E+23	113	1E+05	2,324	1E+06	63
"Candidate 4"	0.2	0.0025	14	41	0.2	3.3E+55	1E+05	5E+22	51	7E+03	478	2E+07	40
"Candidate 5"	0.8	0.005	52	155	0.3	4.6E+56	1E+05	1E+23	97	9E+04	1,720	1E+06	80
"Candidate 6"	0.34	0.005	20	59	0.3	1.4E+56	1E+05	9E+22	86	3E+04	1,369	5E+06	34
"Candidate 7"	0.72	0.005	39	117	0.3	2.4E+56	1E+05	8E+22	81	5E+04	1,208	3E+06	72
"Candidate 8"	0.4	0.005	21	63	0.3	1.2E+56	1E+05	8E+22	79	2E+04	1,131	5E+06	40
"Candidate 9"	0.6	0.005	34	101	0.3	2.2E+56	1E+05	8E+22	84	4E+04	1,287	3E+06	60
"Candidate 10"	0.9	0.005	52	156	0.3	3.6E+56	1E+05	9E+22	86	7E+04	1,369	2E+06	90