

Appendix 5. Kolmogorov-Smirnoff tests (2-tailed) for changes in size frequency distributions (a) between zones in 1985, 1986, 1987 census years; and (b), between years within each of the zones, ie, comparing size frequencies of colonies between 1986 and 1987 census within each zone. The null hypothesis is that there is no difference in the size frequency distributions in each category at 0.05 significance level. Critical D value calculated by $D=1.36 (n_1+n_2)/n_1n_2$ (Siegel, 1956).

(a) Between Zones:		1985	1986	1987
South v. Central	D obs.=	0.08	0.1	0.04
	D cal.=	0.16	0.16	0.17
	Result=	accept Ho	accept Ho	accept Ho
Central v. North	D obs.=	0.1	0.11	0.06
	D cal.=	0.15	0.16	0.16
	Result=	accept Ho	accept Ho	accept Ho
South v. North	D obs.=	0.04	0.12	0.08
	D cal.=	0.14	0.14	0.14
	Result=	accept Ho	accept Ho	accept Ho
(b) Between Years:		SOUTH	CENTRAL	NORTH
1985 v. 1986	D obs.=	0.04	0.08	0.19
	D cal.=	0.13	0.17	0.13
	Result=	accept Ho	accept Ho	accept Ho
1986 v. 1987	D obs.=	0.15	0.08	0.07
	D cal.=	0.14	0.19	0.13
	Result=	reject Ho	accept Ho	accept Ho