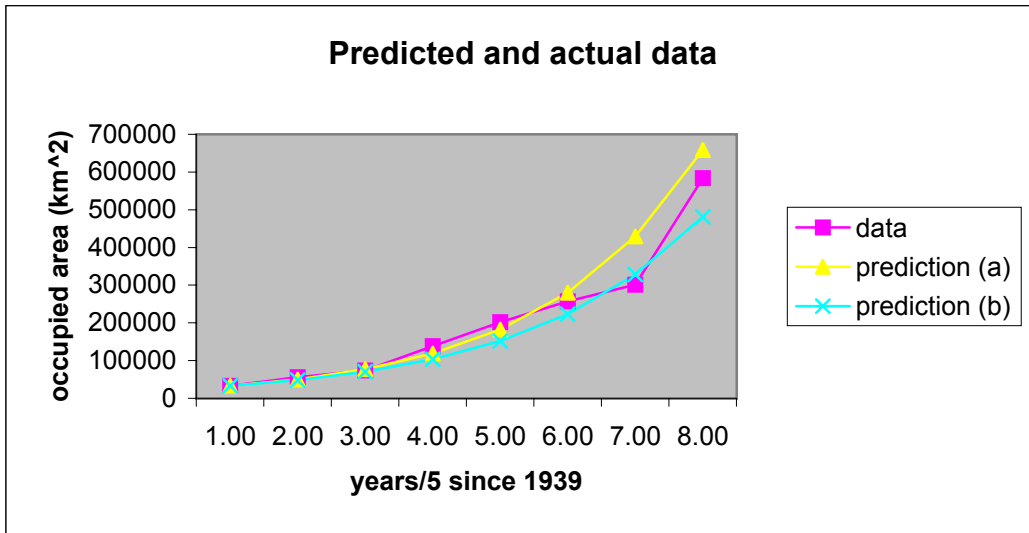
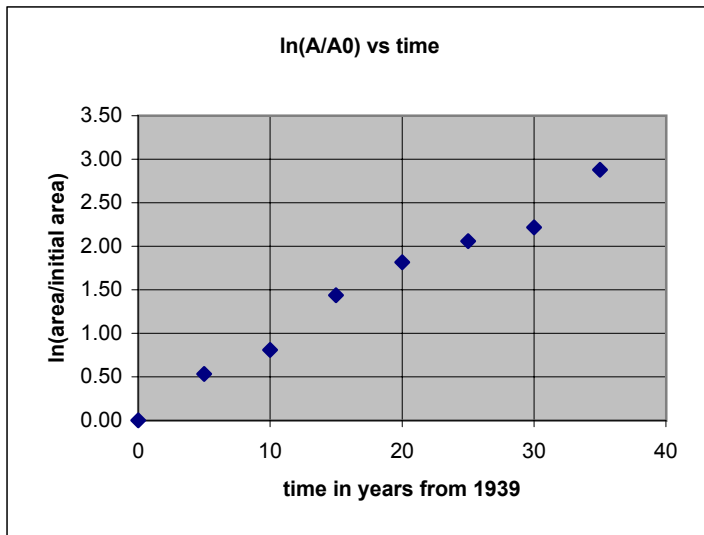


year	t	area	A/A0	ln(A/A0)	predictions	
					Aa	Ab
1939	0	32800	1.00	0.00	32800	32800
1944	5	55800	1.70	0.53	50350	48144
1949	10	73600	2.24	0.81	77291	70665
1954	15	138000	4.21	1.44	118646	103723
1959	20	202000	6.16	1.82	182129	152244
1964	25	257000	7.84	2.06	279579	223464
1969	30	301000	9.18	2.22	429172	328000
1974	35	584000	17.80	2.88	658806	481438



Growth rate = $\ln/\text{time curve} \sim 3.0/35 = 0.086$ (1/years)= ra

Compare to analytic estimate of $\ln 10 / 30 = 0.077$ (1/years)= rb



Predictions based on growth rate from (a) slope of ln plot and (b) analytic estimate

(a) $\text{Area}(t) = A_0 e^{(r_a t)}$ (b) $\text{Area}(t) = A_0 e^{(r_b t)}$

year	t	Aa	Ab
1939	0	32800	32800
1944	5	50350	48144
1949	10	77291	70665
1954	15	118646	103723
1959	20	182129	152244
1964	25	279579	223464
1969	30	429172	328000
1974	35	658806	481438

