



Life history traits of dominant species change over succession

- · More r-selected species initially
 - Rapid growth
 - Short life span
 - High assimilation rates
 - Lots of small seeds
- · K species more common later
 - Slow growth
 - Long life span
 - Low assimilation rates
 - Fewer, larger seeds
 - More energy allocated to defense and persistance

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Changes in life history traits at Glacier Bay				
		Age at First		
Successional Stag	ge Seed mass	Max Height	Reprod.	Max longevity
	(ug/seed)	(m)	(yr)	(yr)
Pioneer	72	0.3	1	20
Dryas	97	0.1	7	50
Alder	494	4	8	100
spruce	2694	40	40	700
9/25/09 Chapin et al. 1994 ⁴				

























