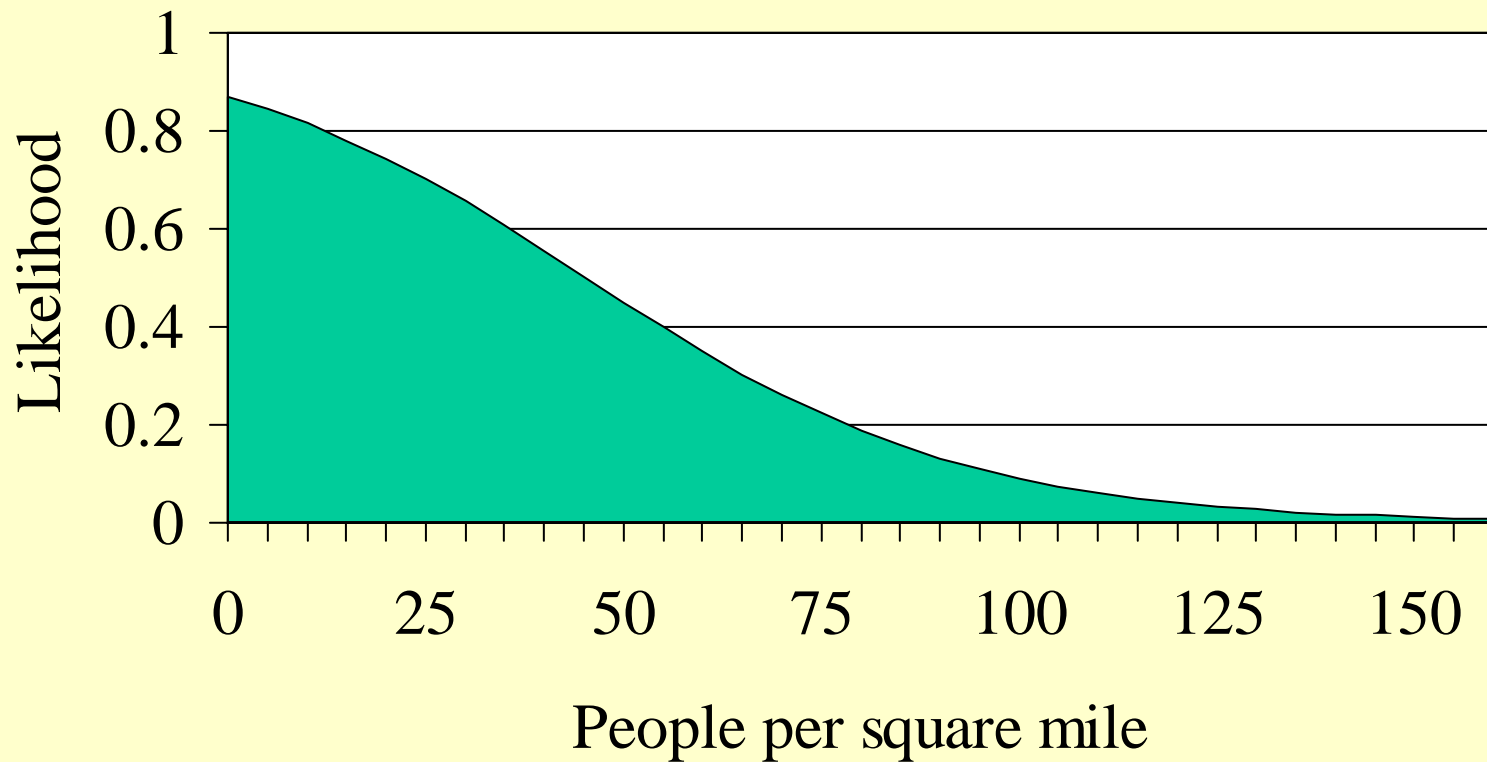




Population density and commercial forest management in four Virginia counties



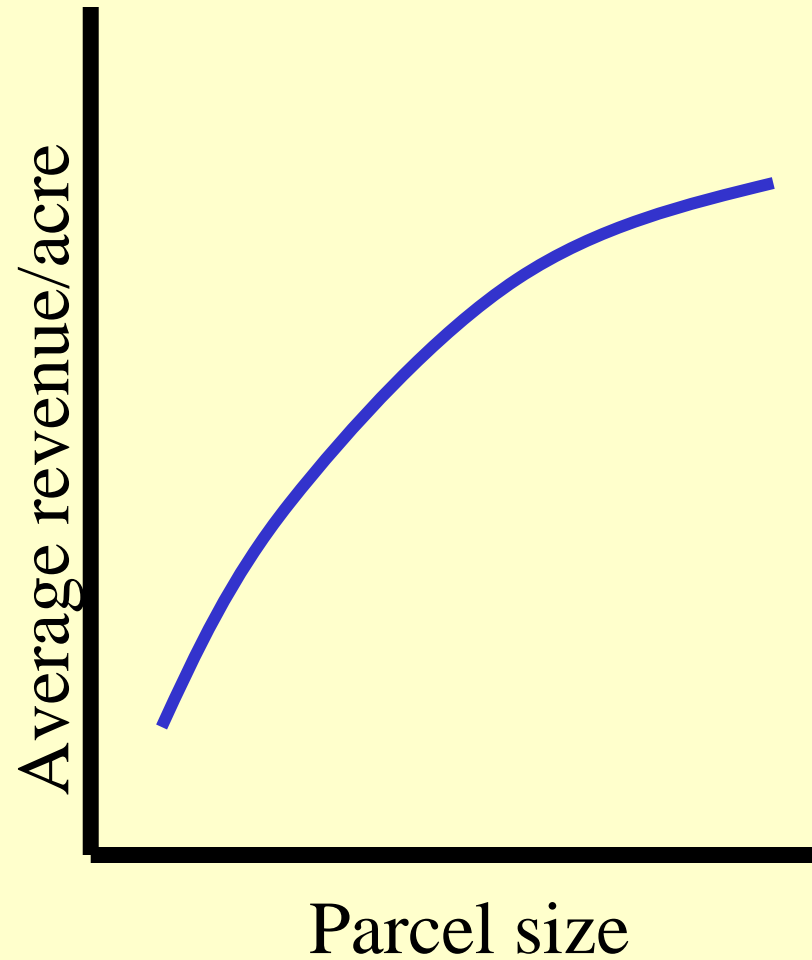
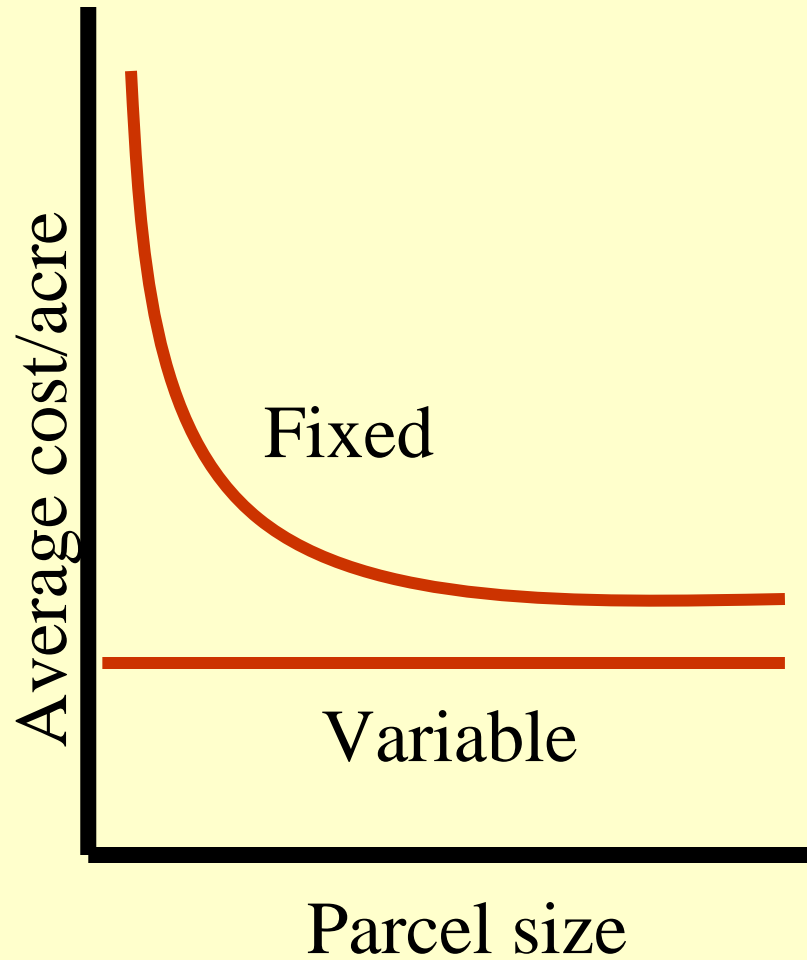
Source: Wear et al. (1999).

Other studies

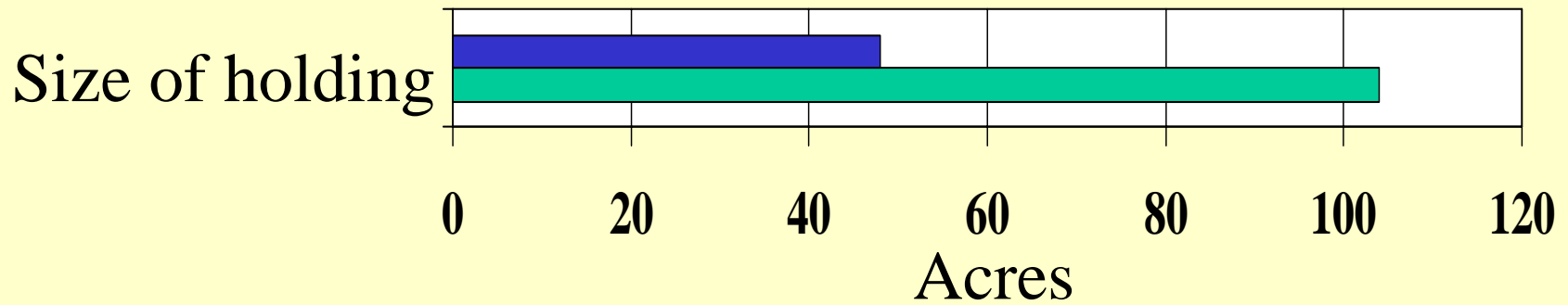
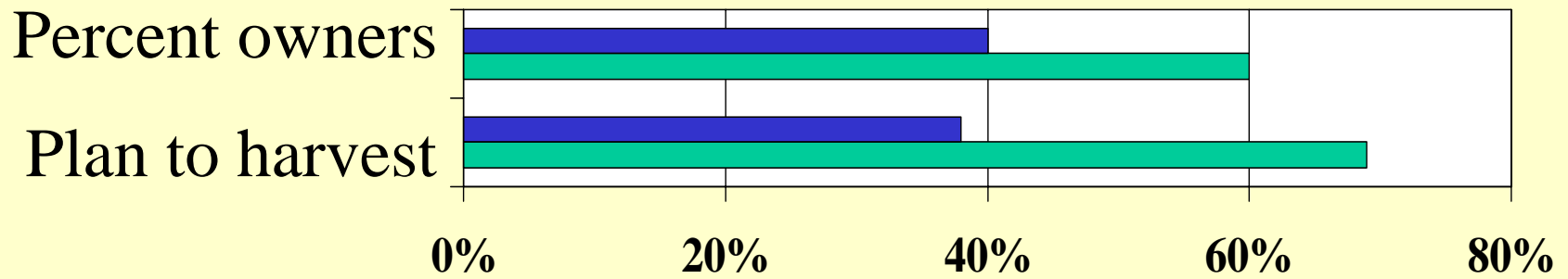
Barlow et al. (1998) and Munn et al. (2002):



Harvest likelihood negatively correlated with population densities and urban proximity.

Average cost and revenue per acre



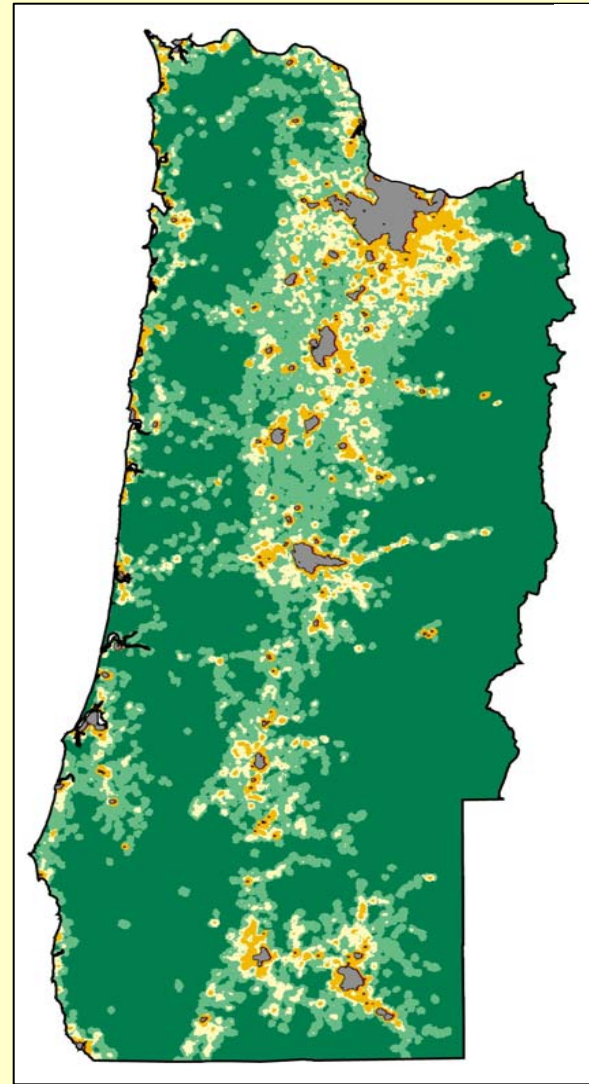
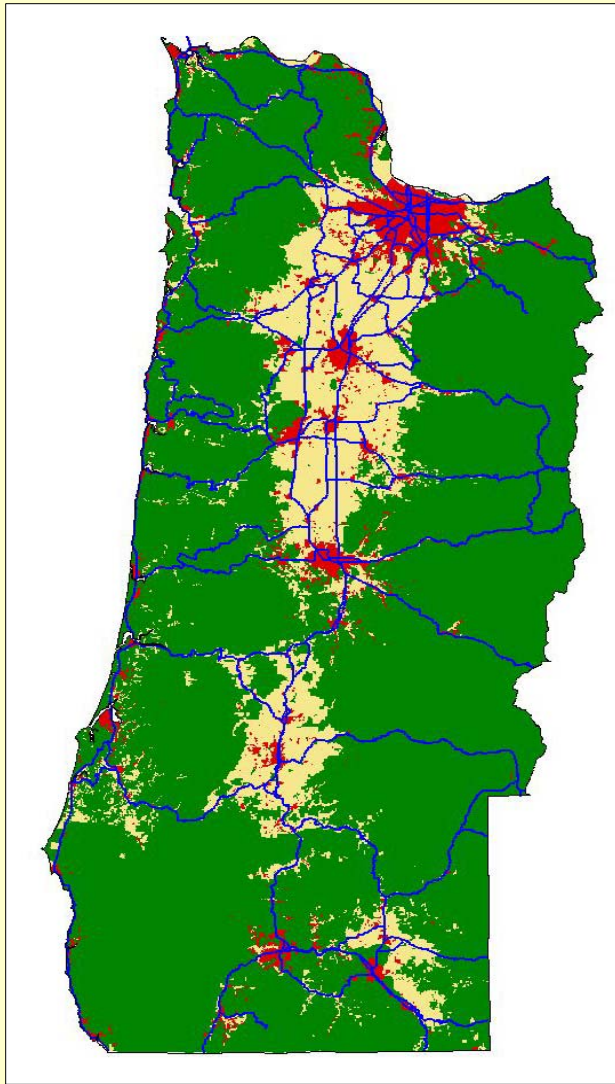
Non-industrial forest owner objectives



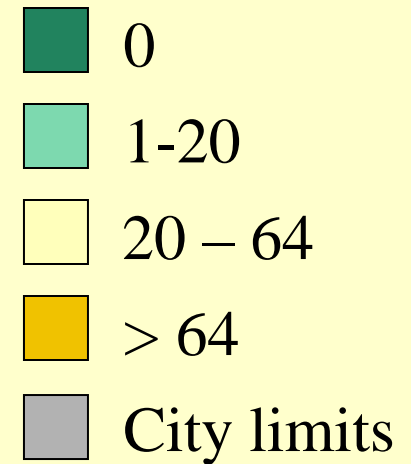
 Timber  Non-timber



Western Oregon building densities, 1994



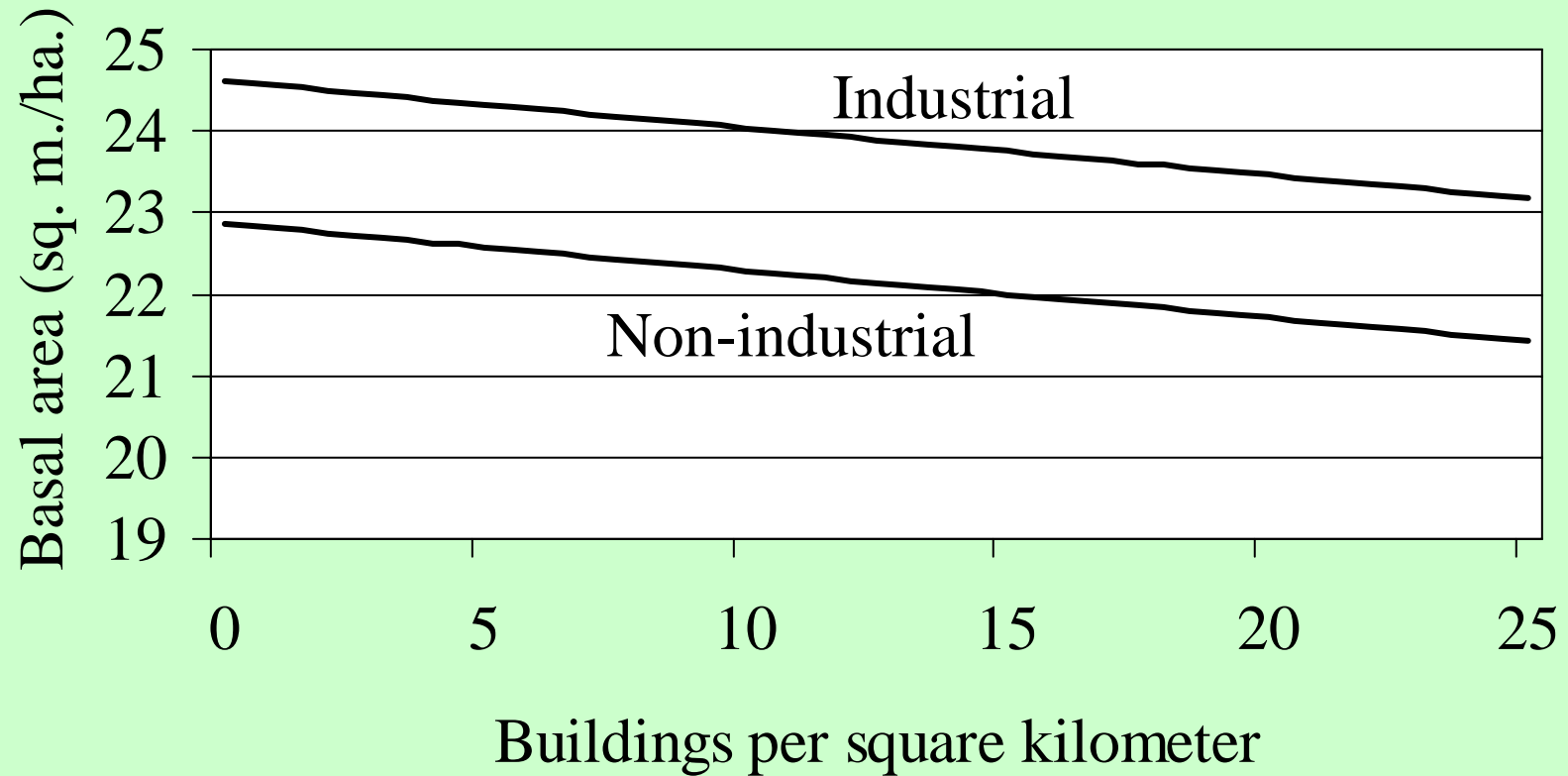
Buildings per
square mile



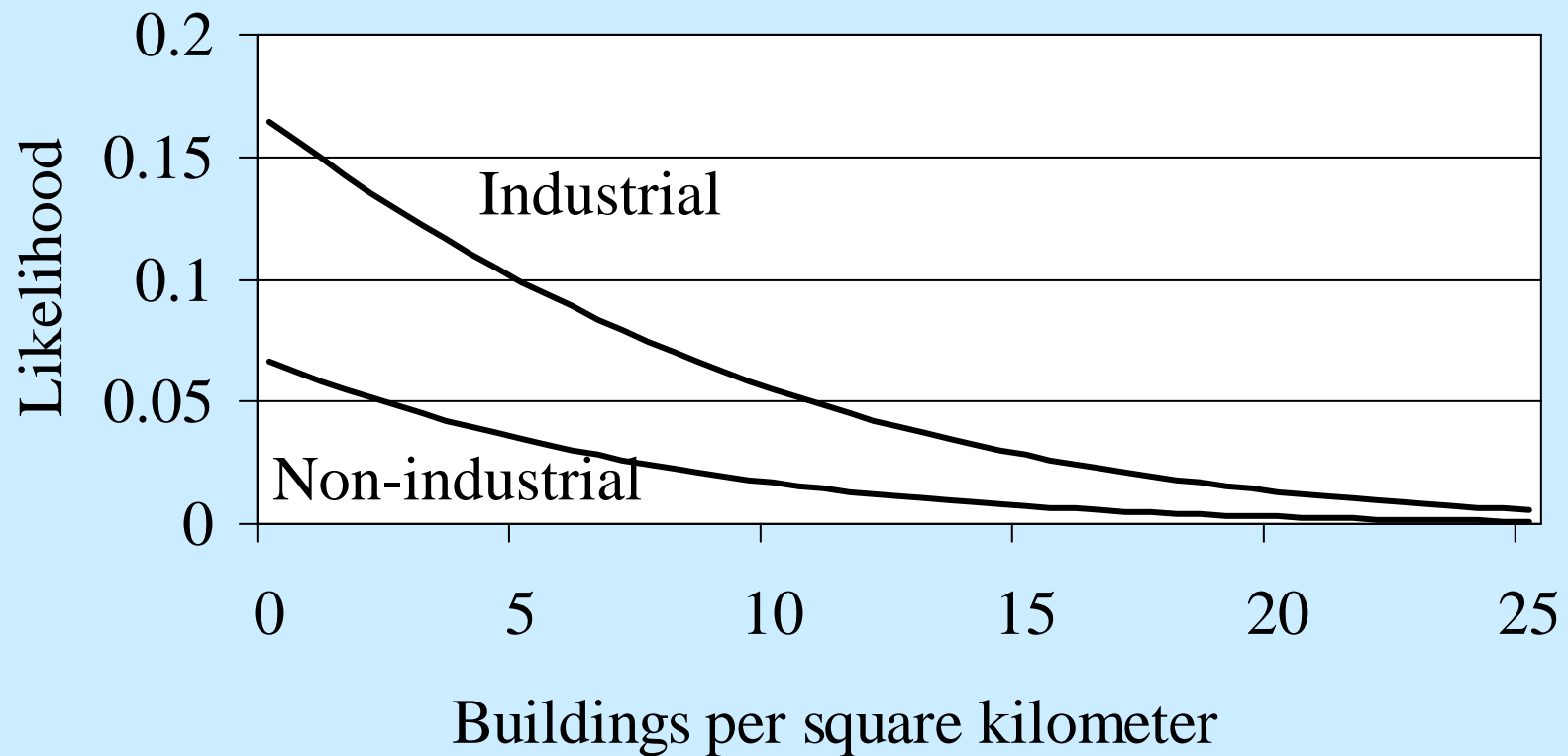
Examined correlation between
building density and . . .

- Harvesting
 - Stocking (basal area)
 - Pre-commercial thinning
 - Post-harvest planting
-

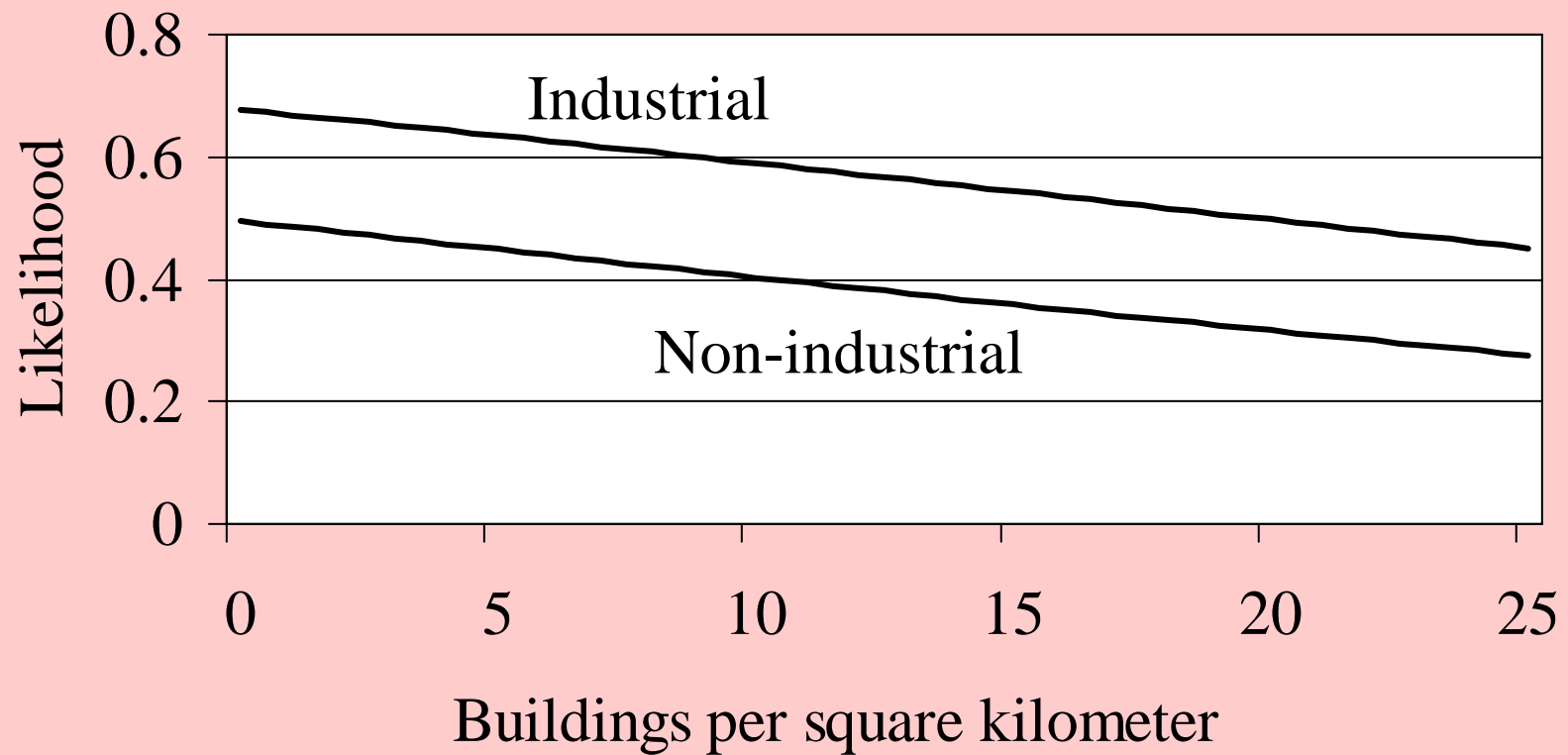
Building density and basal area

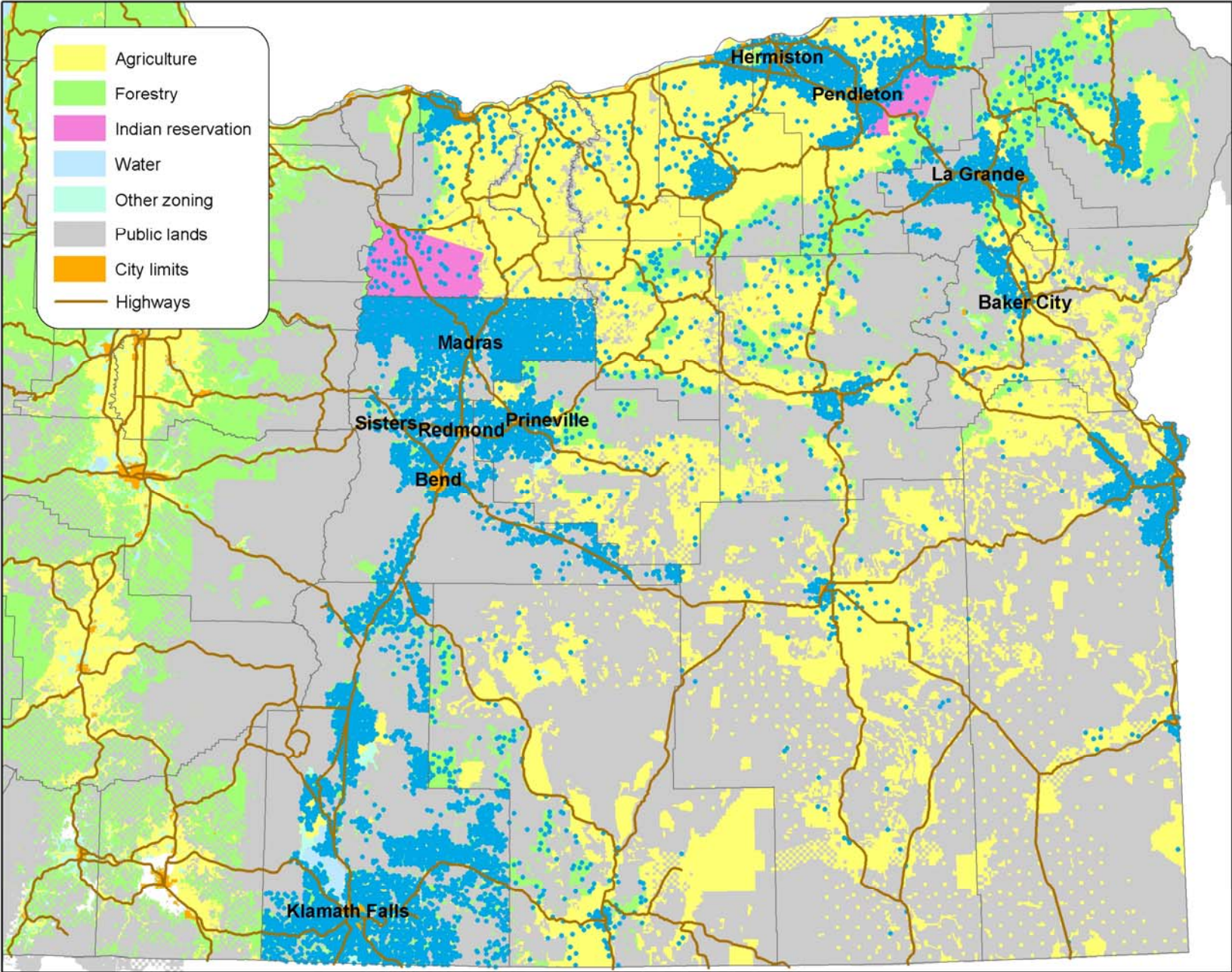


Building density and pre-commercial thinning



Building density and post-harvest planting





Building density and harvest likelihood

Western Oregon

Basal area	+
Site index	+
Slope	—
Distance to road	—
Nonindustrial	—
Building density	

Building density and harvest likelihood

Western Oregon

Basal area	+
Site index	+
Slope	—
Distance to road	—
Nonindustrial	—
Building density	

Eastern Oregon

Basal area	+
Site index	
Slope	—
Distance to road	
Nonindustrial	—
Building density	

Building density and basal area

Western Oregon

Age	+
Age ²	—
Site index	+
Hardwood	—
Nonindustrial	—
Building density	—

Building density and basal area

Western Oregon

Age	+
Age ²	—
Site index	+
Hardwood	—
Nonindustrial	—
Building density	—

Eastern Oregon

Age	+
Age ²	—
Site index	
Nonindustrial	—
Building density	

Building density and pre-commercial thinning likelihood

Western Oregon

Basal area —

Site index +

Slope

Distance to road —

Nonindustrial —

Building density —

Building density and pre-commercial thinning likelihood

Western Oregon

Basal area	—
Site index	+
Slope	
Distance to road	—
Nonindustrial	—
Building density	—

Eastern Oregon

Basal area	
Site index	
Slope	—
Distance to road	
Nonindustrial	
Building density	

Building density and planting likelihood

Western Oregon

Basal area —

Site index +

Slope

Distance to road —

Nonindustrial —

Building density —

Building density and planting likelihood

Western Oregon

Basal area	—
Site index	+
Slope	
Distance to road	—
Nonindustrial	—
Building density	—

Eastern Oregon

Basal area	
Site index	
Slope	—
Distance to road	
Nonindustrial	—
Building density	

General conclusions—western Oregon

Development near forests . . .

- Has not affected harvest rates
 - May be reducing forest investment
 - Has not impacted much area
-

Preliminary conclusions—eastern Oregon

Development near forests . . .

- Has not affected harvest rates
 - Does not appear to have affected forest investment
 - Data may be more limited
-

