



7.8 Greenways and public safety

Greenway trails have documented low crime rates compared to other developed land uses. Vegetation can be managed to reduce the perception of fear or crime. Dense, naturalistic vegetation along one side of a trail is not perceived as unsafe as long as the other side is visually open. Provide 100 feet of both forward and rear visibility on trails where possible.

7.8 References

- Bjerke, T.; Østdahl, T.; Thrane, C.; Strumse, E. 2006. Vegetation density for urban parks and perceived appropriateness for recreation. *Urban Forestry and Urban Greening*. 5: 35-44.
- Crewe, K. 2001. Linear parks and urban neighbourhoods: a study of the crime impact of the Boston south-west corridor. *Journal of Urban Design*, 6: 245-264.
- Flink, C.A.; Olka, K.; Searns, R.M. 2001. *Trails for the twenty-first century: planning, design, and management manual for multi-use trails*. Washington, DC: Island Press. 210 p.
- Gobster, P.H.; Westphal, L.M. 2004. The human dimensions of urban greenways: planning for recreation and related experiences. *Landscape and Urban Planning*. 68: 147-165.
- Greer, D.L. 2000. Omaha recreational trails: their effect on property values and public safety. Omaha, NE: University of Nebraska, Recreation and Leisure Studies Program. 18 p. <http://atfiles.org/files/pdf/omahastudy.pdf>. [Date accessed: September 26, 2007].

Herzog, T.R.; Kirk, K.M. 2005. Pathway curvature and border visibility as predictors of preference and danger in forest settings. *Environment and Behavior*. 37: 620-639.

Herzog, T.R.; Kropscott, L.S. 2004. Legibility, mystery, and visual access as predictors of preference and perceived danger in forest settings without pathways. *Environment and Behavior*. 36: 659-677.

Herzog, T.R.; Kutzli, G.E. 2002. Preference and perceived danger in field/forest settings. *Environment and Behavior*. 34: 819-835.

Jorgensen, A.; Hitchmough, J.; Calvert, T. 2002. Woodland spaces and edges: their impact on perception of safety and preference. *Landscape and Urban Planning*. 60: 135-150.

Kuo, F. 2003. The role of arboriculture in a healthy social ecology. *Journal of Arboriculture*. 29: 148-155.

Kuo, F.; Sullivan, W.C. 2001. Environment and crime in the inner city: does vegetation reduce crime? *Environment and Behavior*. 33: 343-367.

Luymes, D.T.; Tamminga, K. 1995. Integrating public safety and use into planning urban greenways. *Landscape and Urban Planning*. 33: 391-400.

Nasar, J.L.; Fischer, B.; Grannis, M. 1993. Proximate physical cues to fear of crime. *Landscape and Urban Planning*. 26: 161-178.

Schroeder, H.W.; Anderson, L.M. 1984. Perception of personal safety in urban recreation sites. *Journal of Leisure Research*. 16: 178-194.

Talbot, J.F.; Kaplan, R. 1984. Needs and fears: the response to trees and nature in the inner city. *Journal of Arboriculture*. 10: 222-228.

Tracey, T.; Morris, H. 1998. Rail-trails and safe communities: the experience on 372 trails. Washington, DC: Rails-to-Trails Conservancy. 33 p. http://www.railtrail.org/resources/documents/resource_docs/tgc_safecomm.pdf. [Date accessed: September 26, 2007].

Ulrich, R.S. 1986. Human responses to vegetation and landscapes. *Landscape and Urban Planning*. 13: 29-44.