



The Environmental Impact of Railways

T. G. Carpenter

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A renaissance in railways and the formal recognition of environmental priorities are both features of the last quarter of the twentieth century, but relatively little has been published about the individual and collective environmental impacts of railways. There is an urgent need to address the subject comprehensively. New railways are being planned in many countries and environmental assessment has become an essential element of planning. Most of the impacts of railways have existed for well over a hundred years and many of these continue to be relevant today. Some new issues, such as the operation of very fast trains or the routing of tracks to carry them, require special attention. This book brings together the main planning and management issues concerning the way railways, established, newly-constructed, or upgraded, have an impact on the environment. It provides a step-by-step assessment of how the engineer, planner, environmental manager, transport specialist or railway operator should approach the resolution of railway development taking into account environmental priorities and the regulatory framework. Tom Carpenter brings a lifetime of first-hand management and consultancy experience to produce the first modern treatment of this important topic.

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