

# GUIDE TO THE APPLICATION OF THE REGULATION RESPECTING THE SUSTAINABLE DEVELOPMENT OF FORESTS IN THE DOMAIN OF THE STATE

Figures

Votre  
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Québec

**Note to the reader**

The content of the On-line Guide to the application of the regulation respecting the sustainable development of forest in the domain of the State will evolve to incorporate technical and scientific details of certain sections or information necessary for their application. Updates will be listed on the page entitled [Register of Amendments](#).

It is the user's responsibility to use the updated printed document from the online publication available at [https://mffp.gouv.qc.ca/wp-content/uploads/FiguresRADF\\_ang.pdf](https://mffp.gouv.qc.ca/wp-content/uploads/FiguresRADF_ang.pdf).

**Production**

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**Reference:** Ministère des Forêts, de la Faune et des Parcs. *Guide to the application of the regulation respecting the sustainable development of forest in the domain of the State – Figures* [On line], Gouvernement du Québec. [\[mffp.gouv.qc.ca/RADF/guide/?lang=en\]](https://mffp.gouv.qc.ca/RADF/guide/?lang=en).

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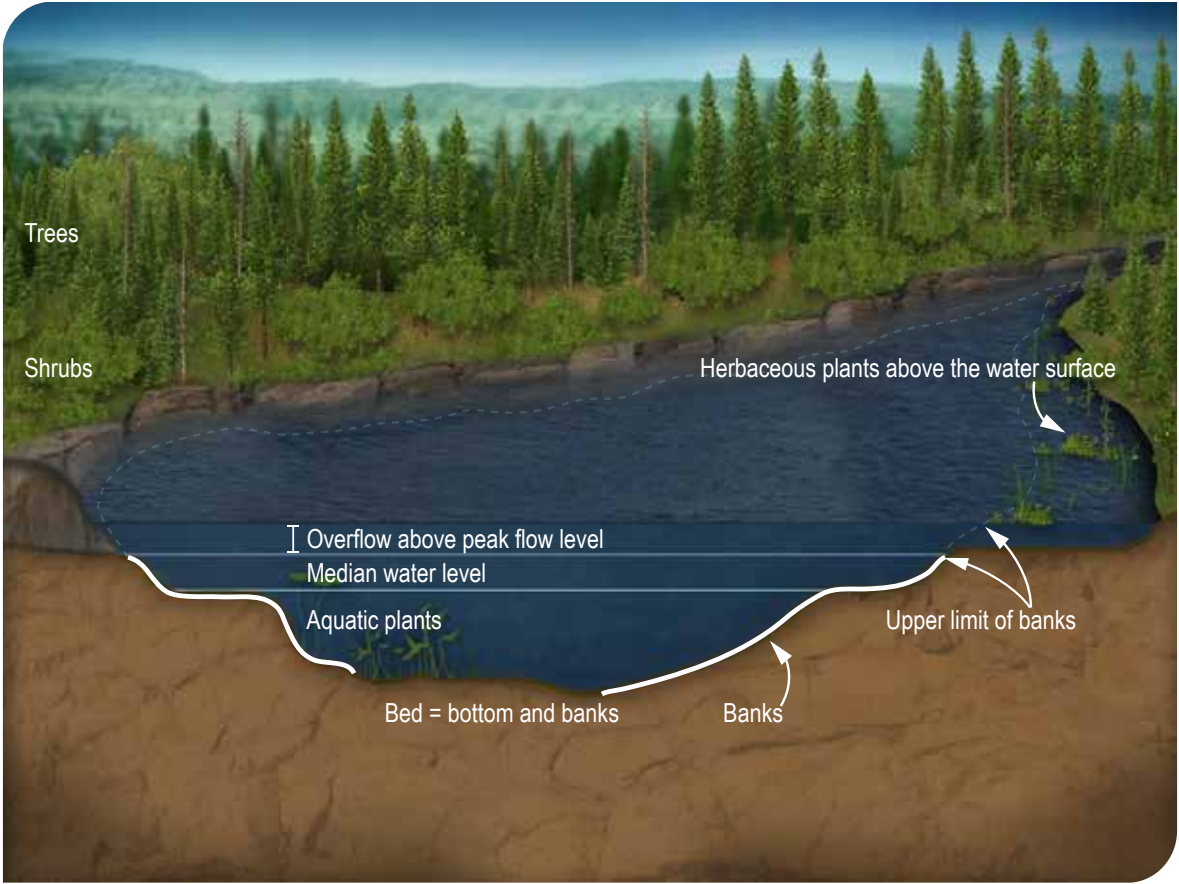
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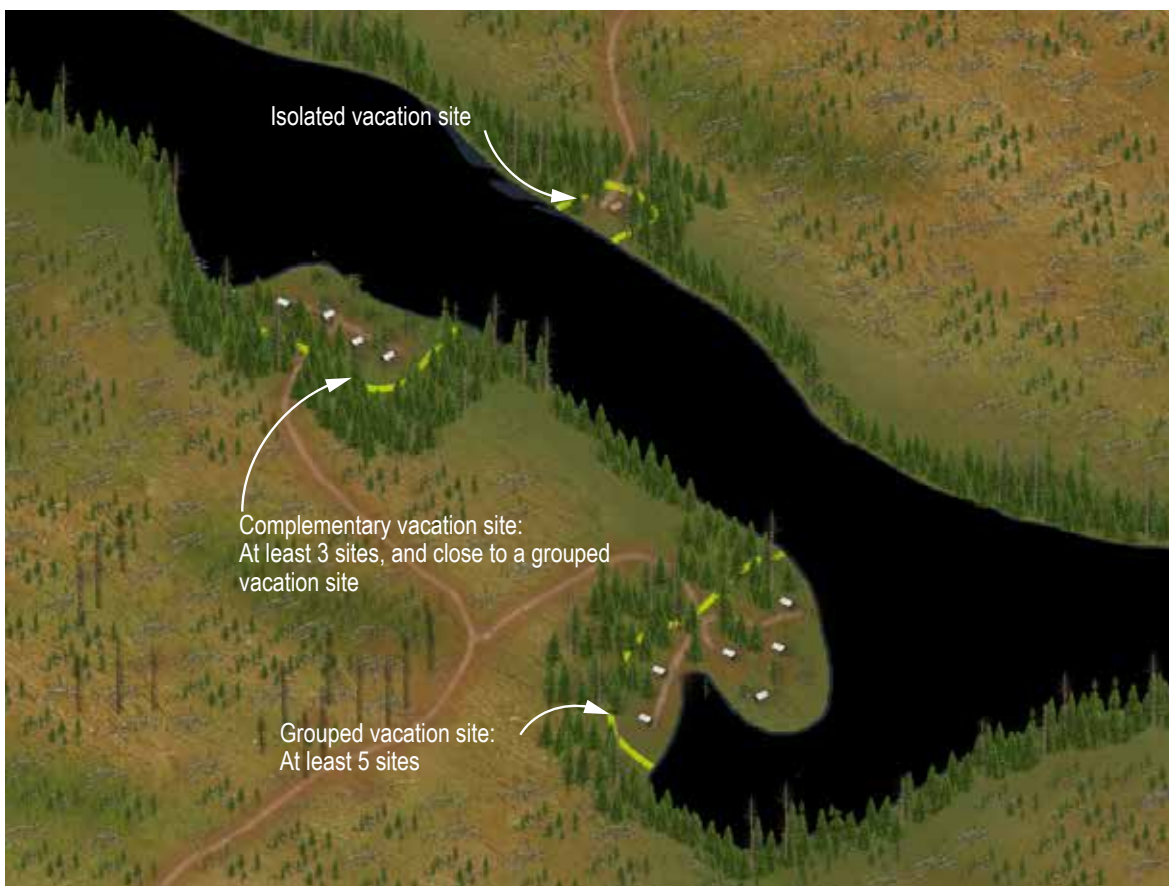
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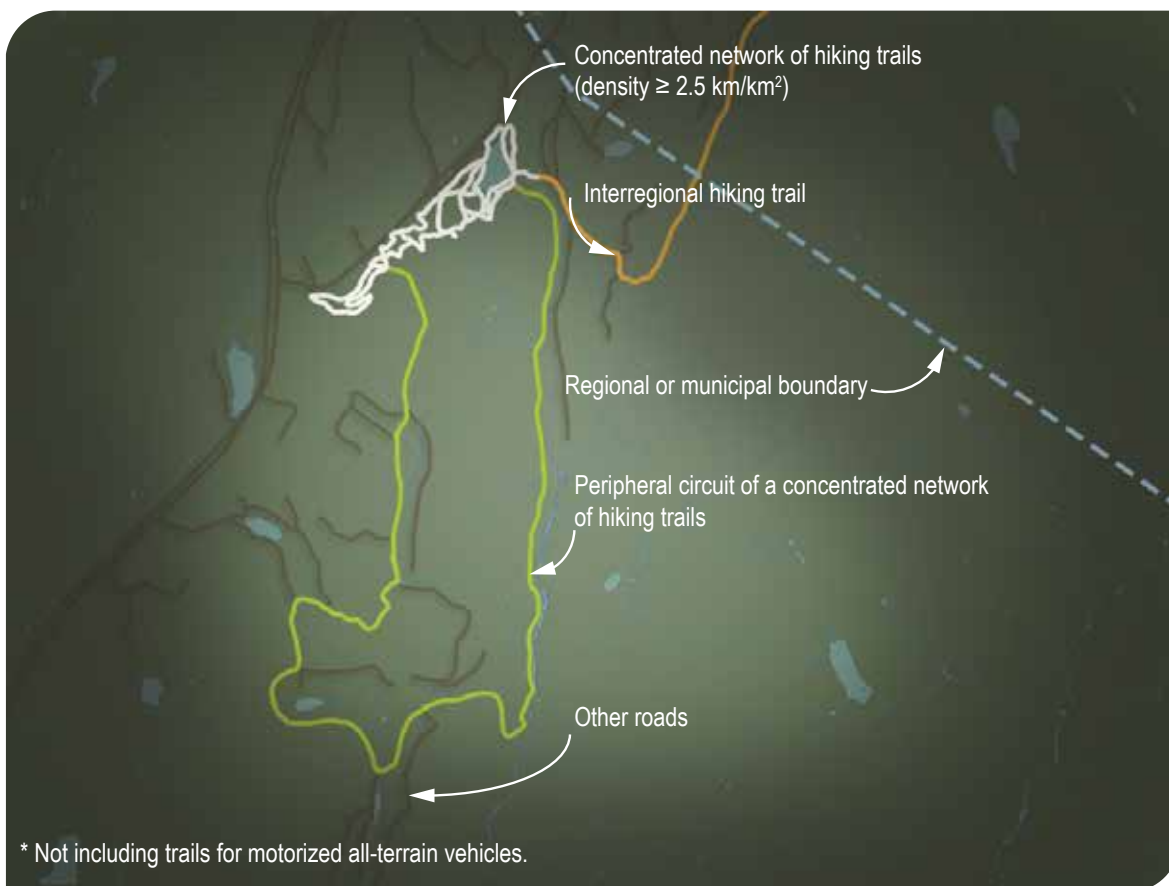
**Figure 2A** Upper limit of the bank and overflow above the level of the bankfull discharge



**Figure 2B** Diagram showing a block cutting harvest site

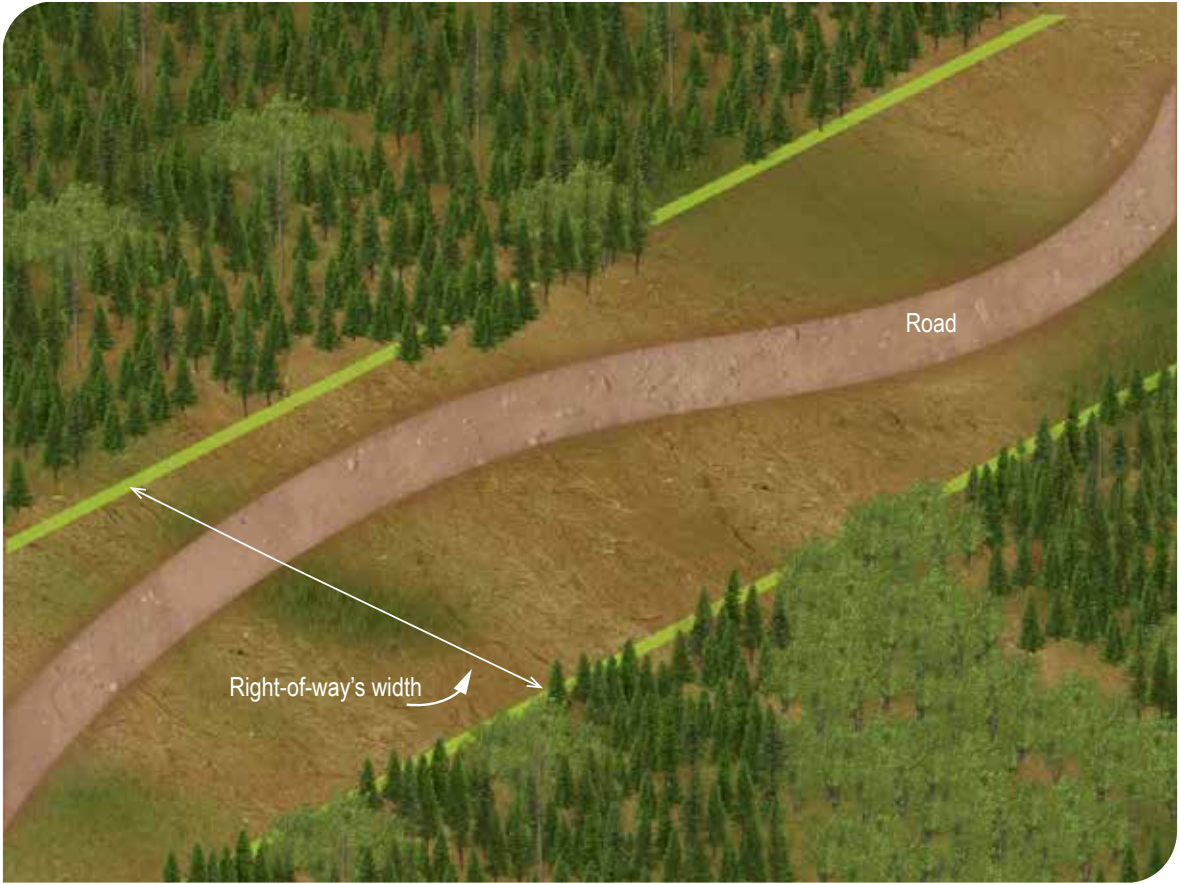


**Figure 2C** Diagram showing a complementary vacation site, an isolated vacation site and a grouped vacation site



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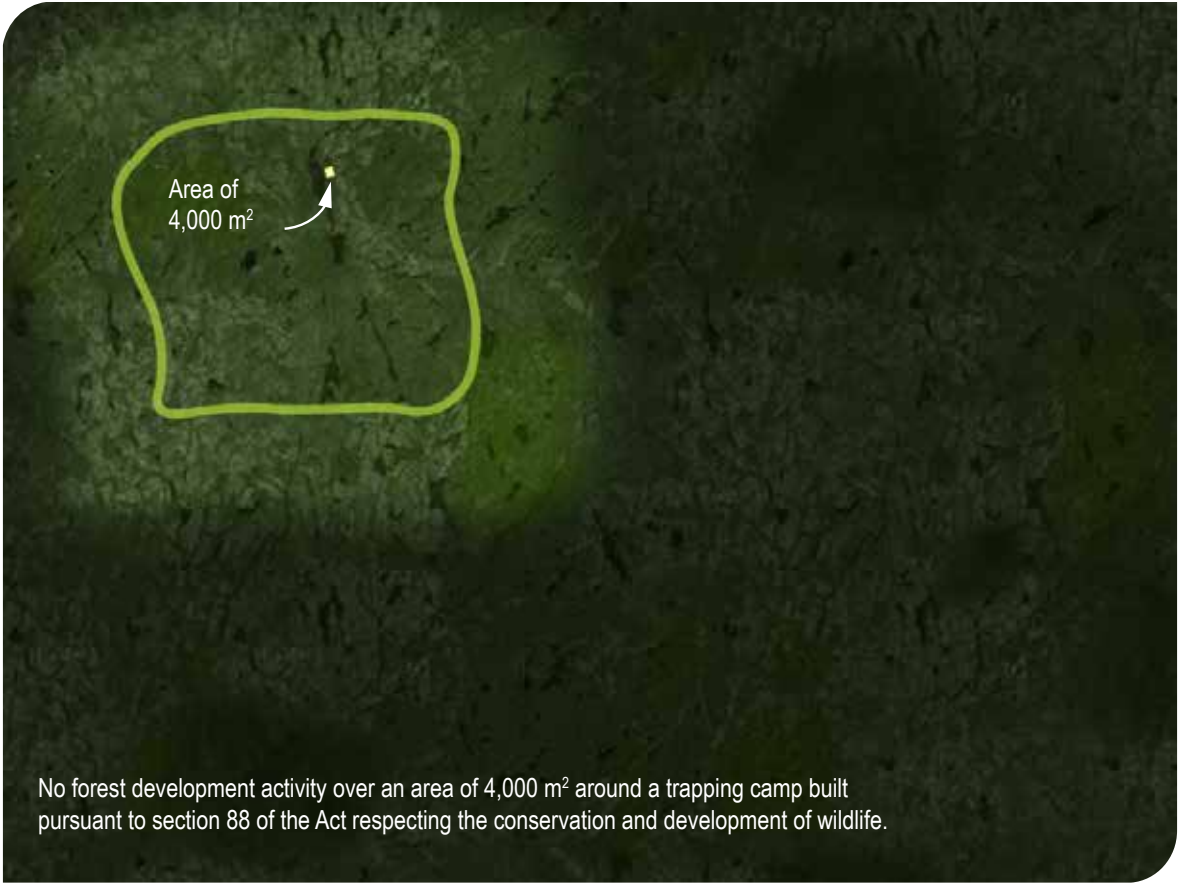




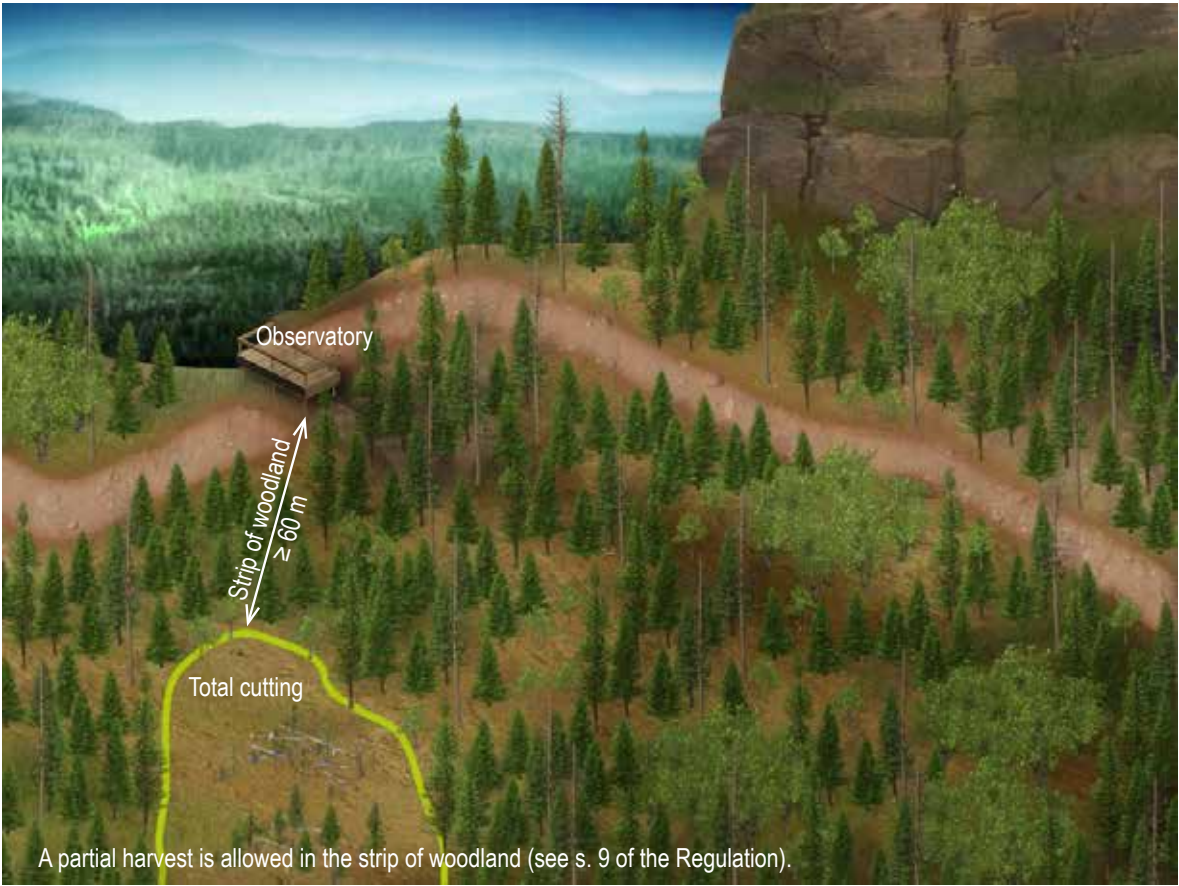
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**Figure 2F** Thalweg



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**Figure 7B** Strip of woodland around a reception station

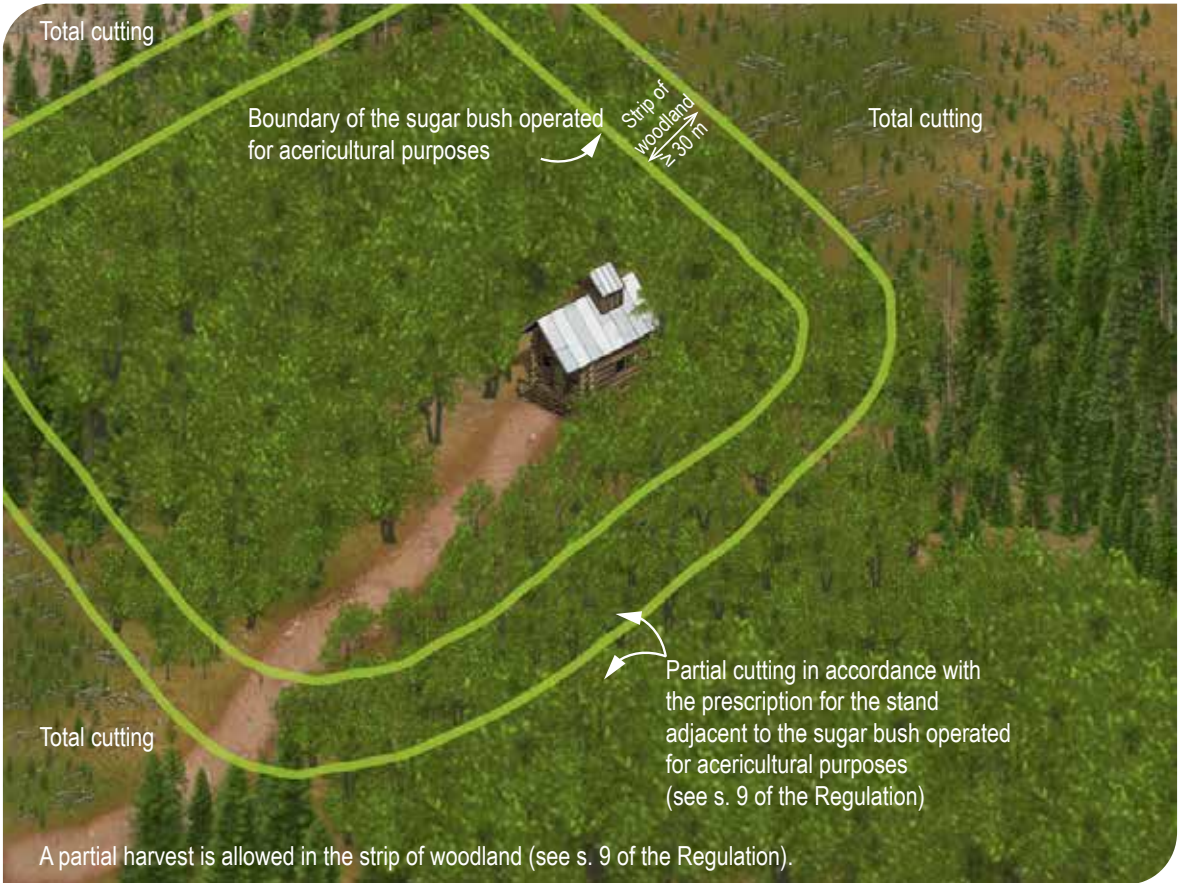


**Figure 7C** Strip of woodland around a shelter for users of hiking trails



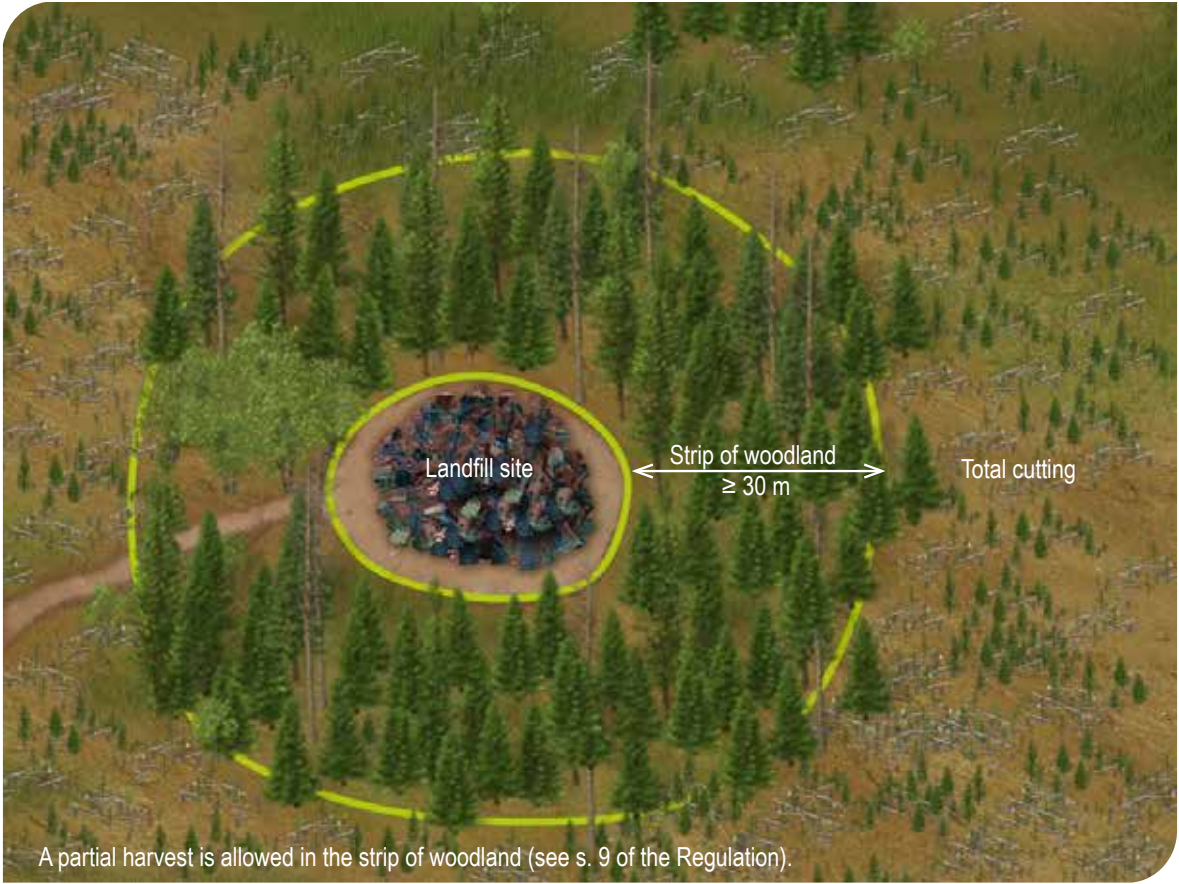


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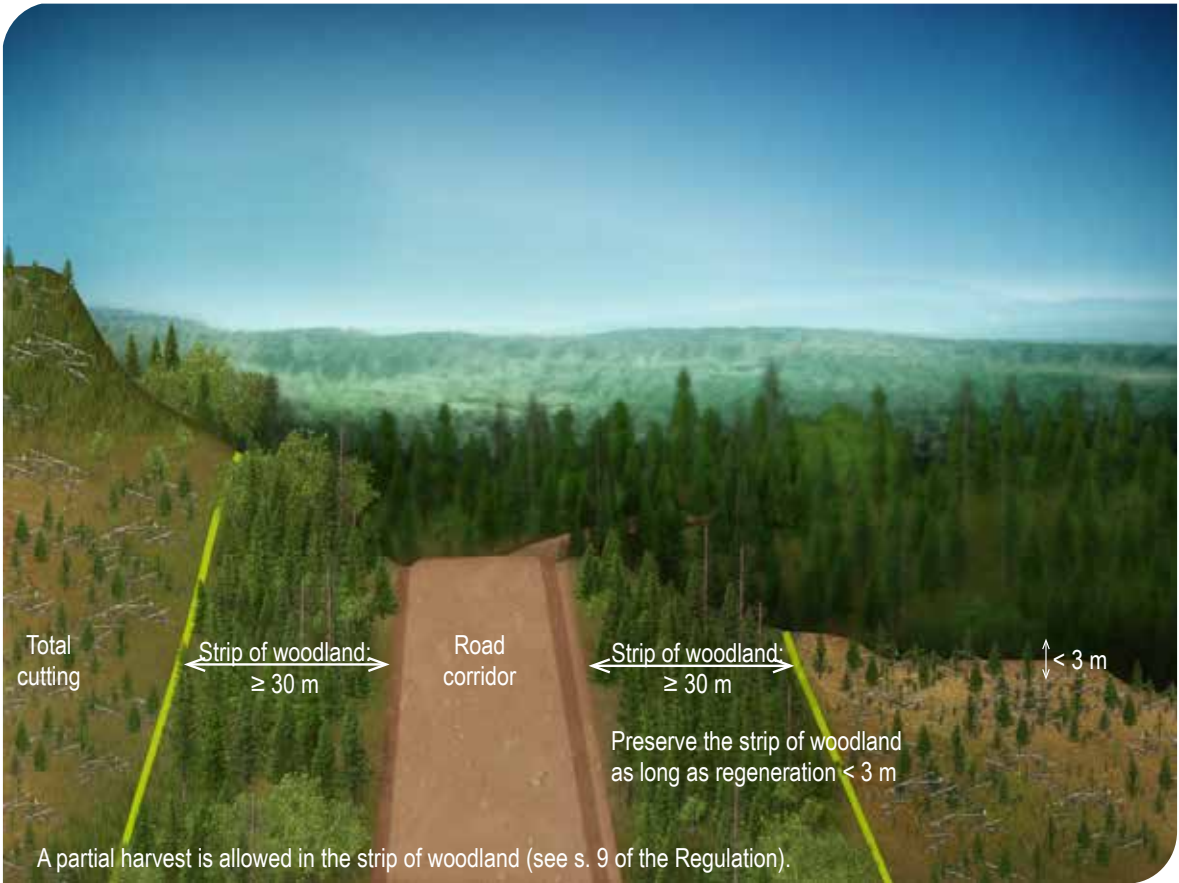


**Figure 8B** Strip of woodland around a sugar bush operated for acericultural purposes





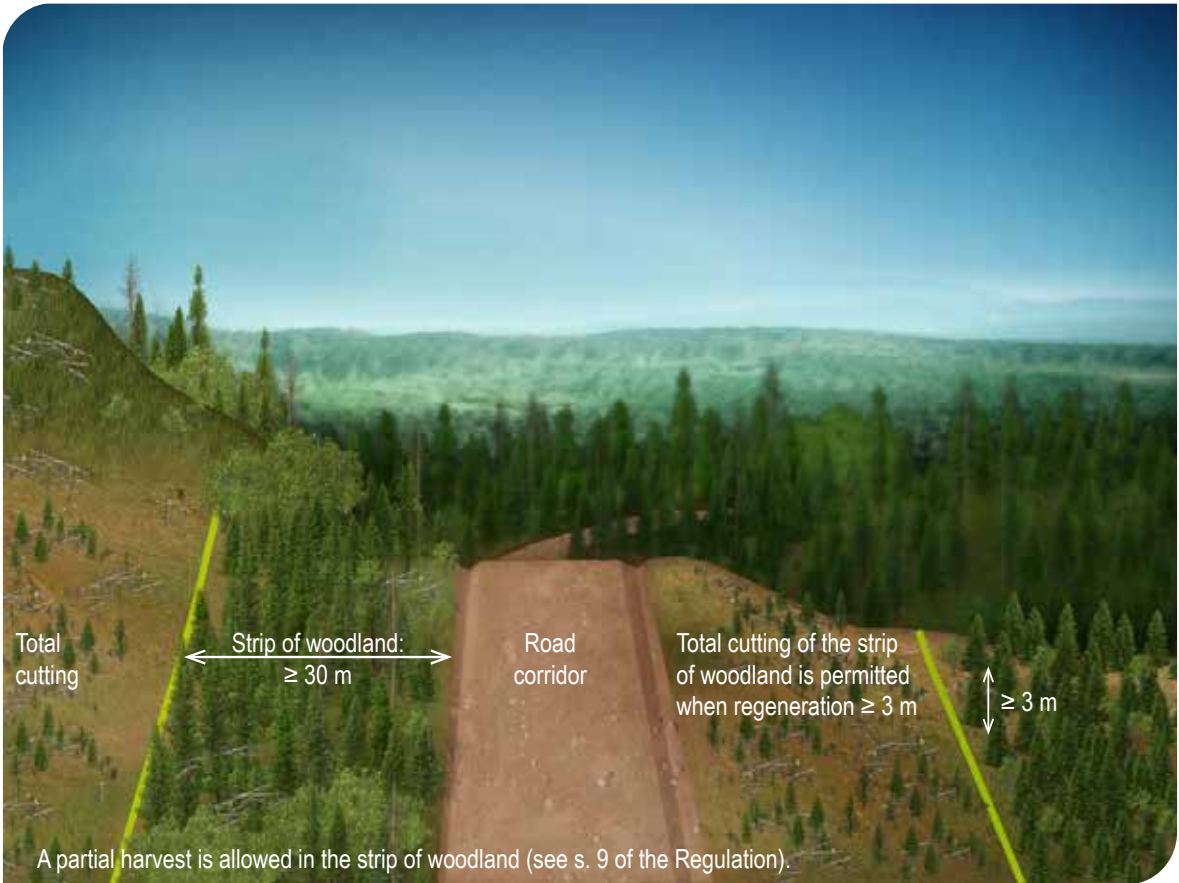
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**Figure 8D** Total cutting of the strip of woodland is prohibited along a road corridor as long as regeneration in the adjacent cutting area is < 3 m



**Figure 8E** Block cutting and partial cutting along a road corridor

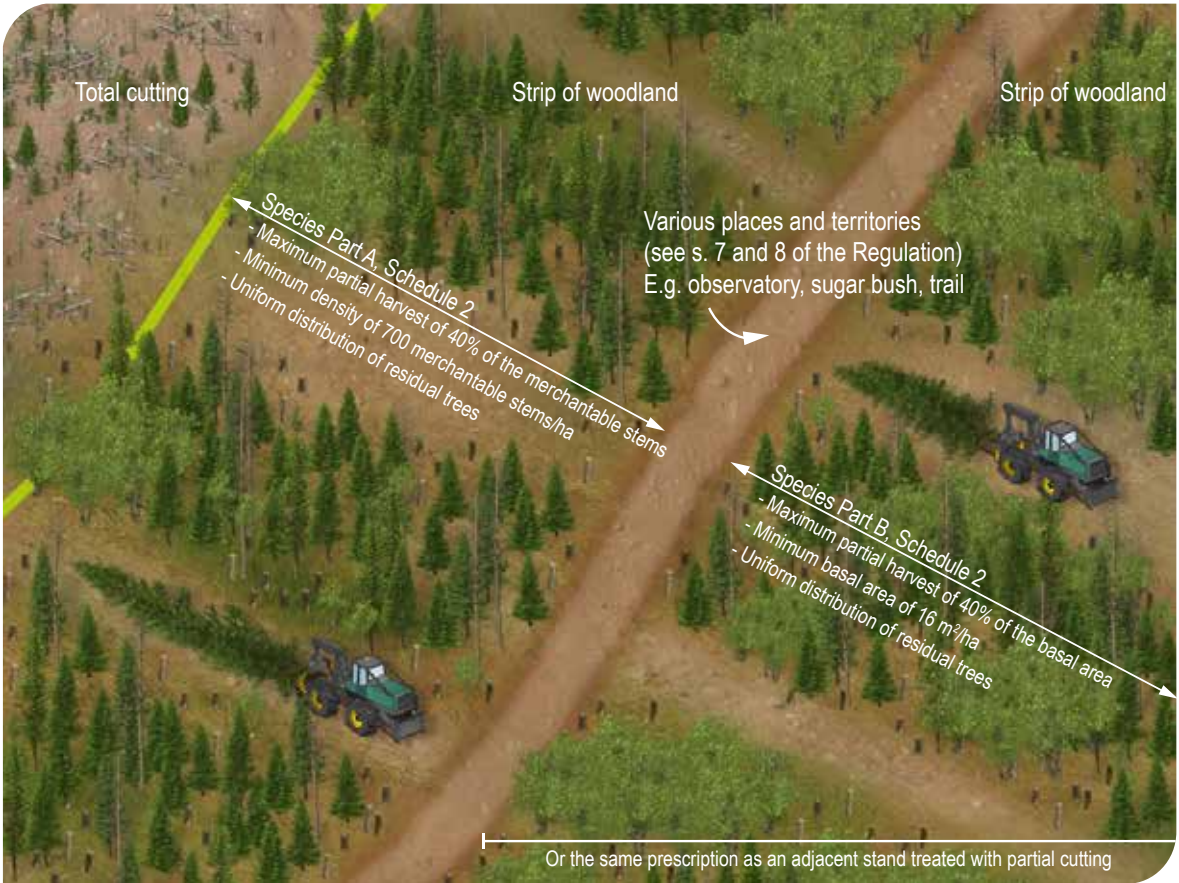


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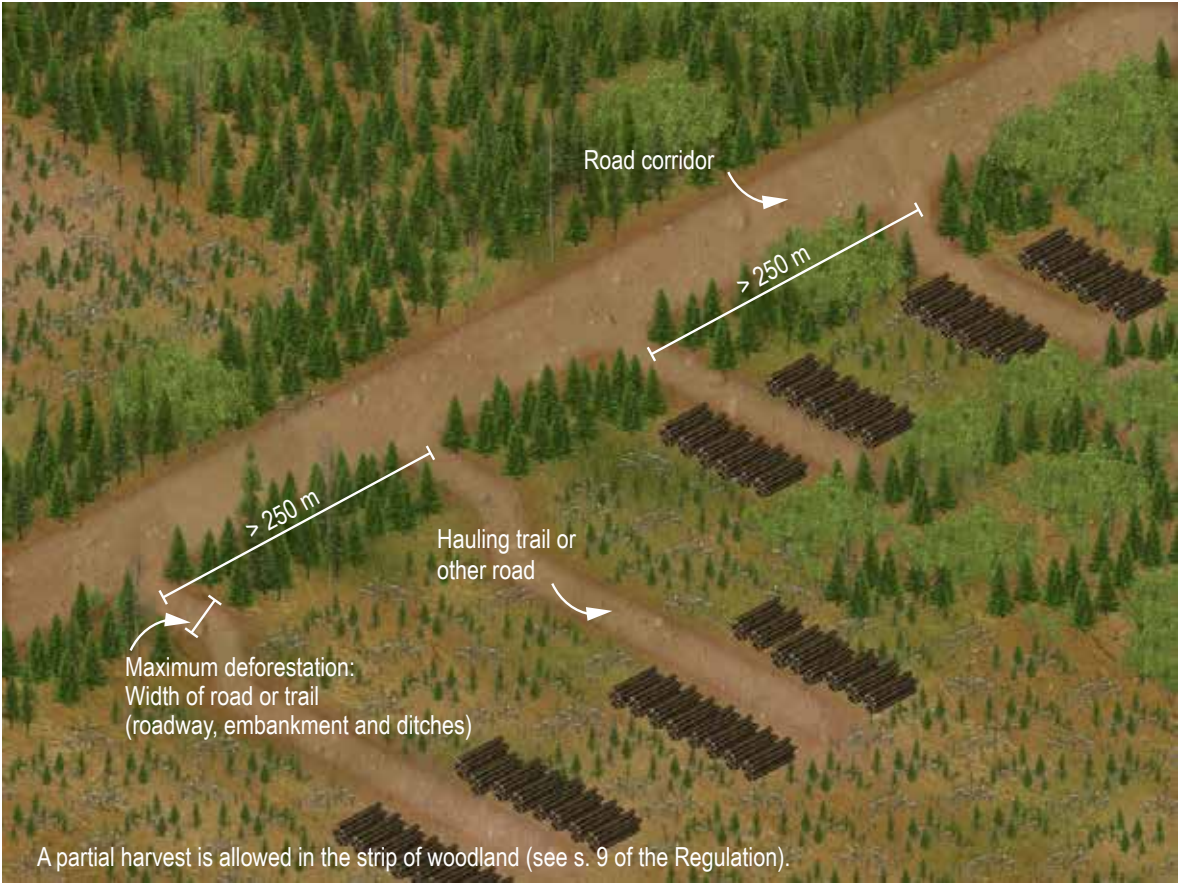


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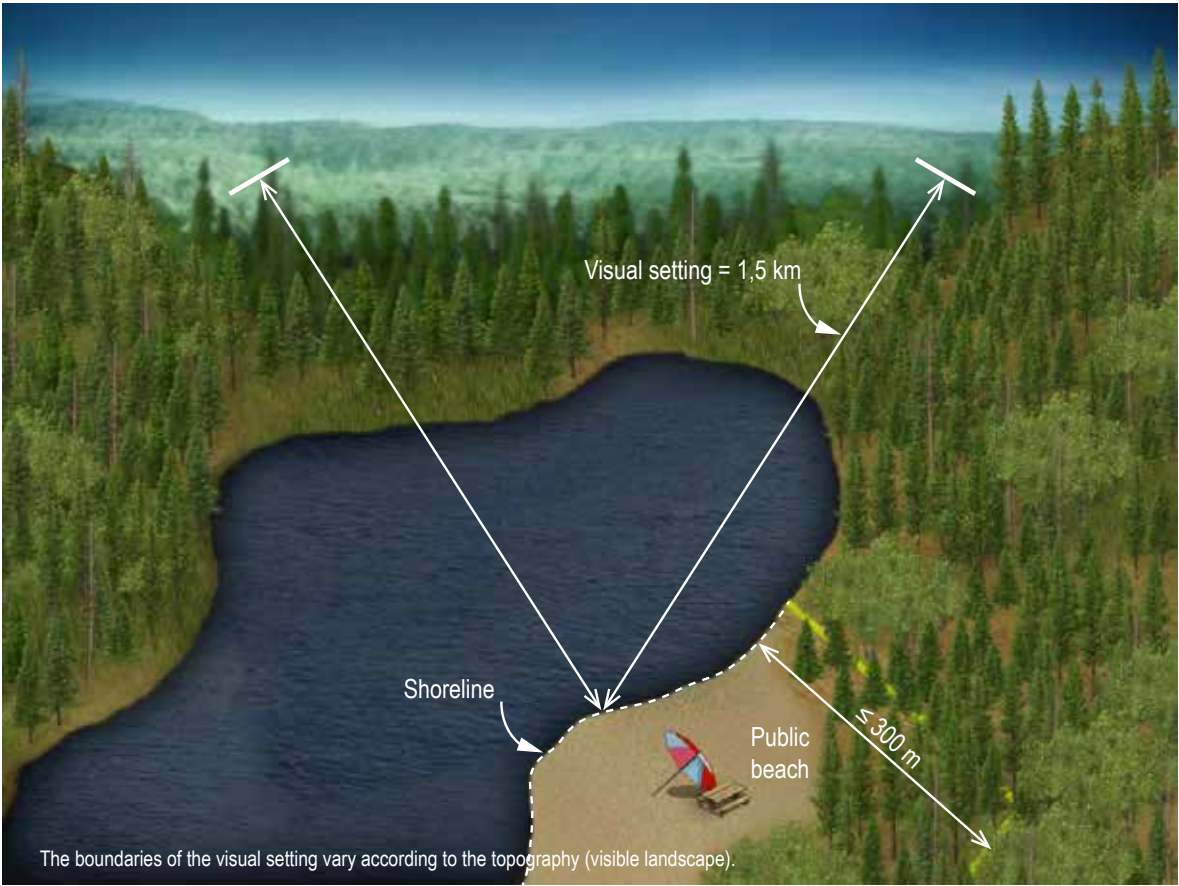


**Figure 9** Partial cutting in the strip of woodland alongside various places and territories



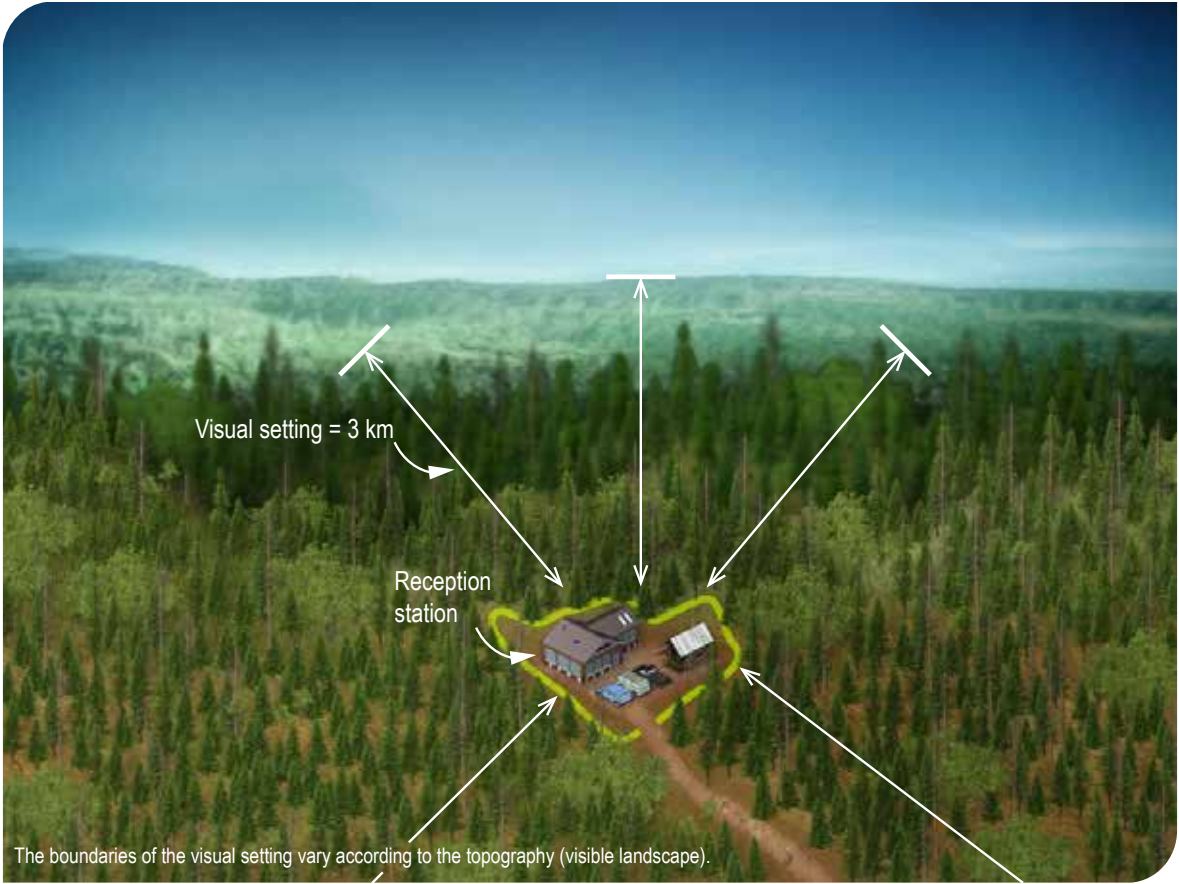


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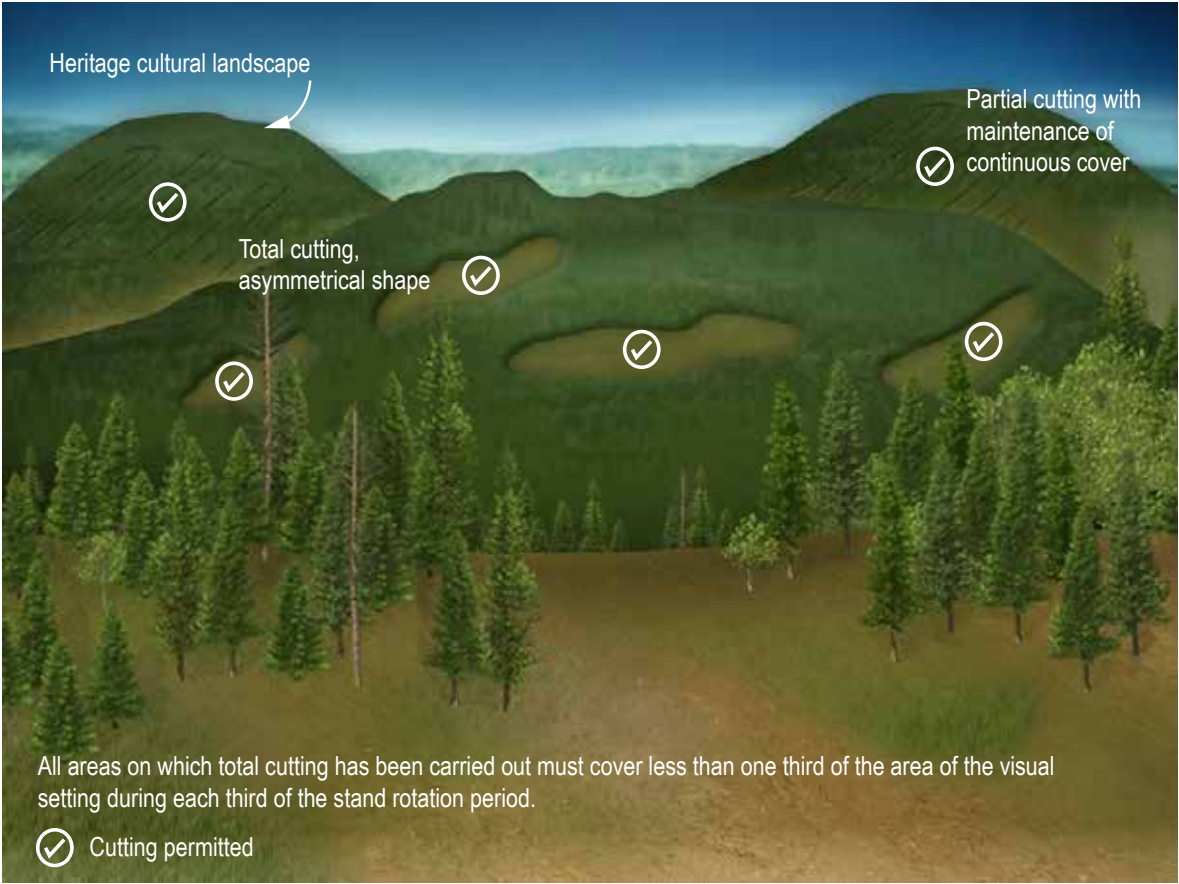




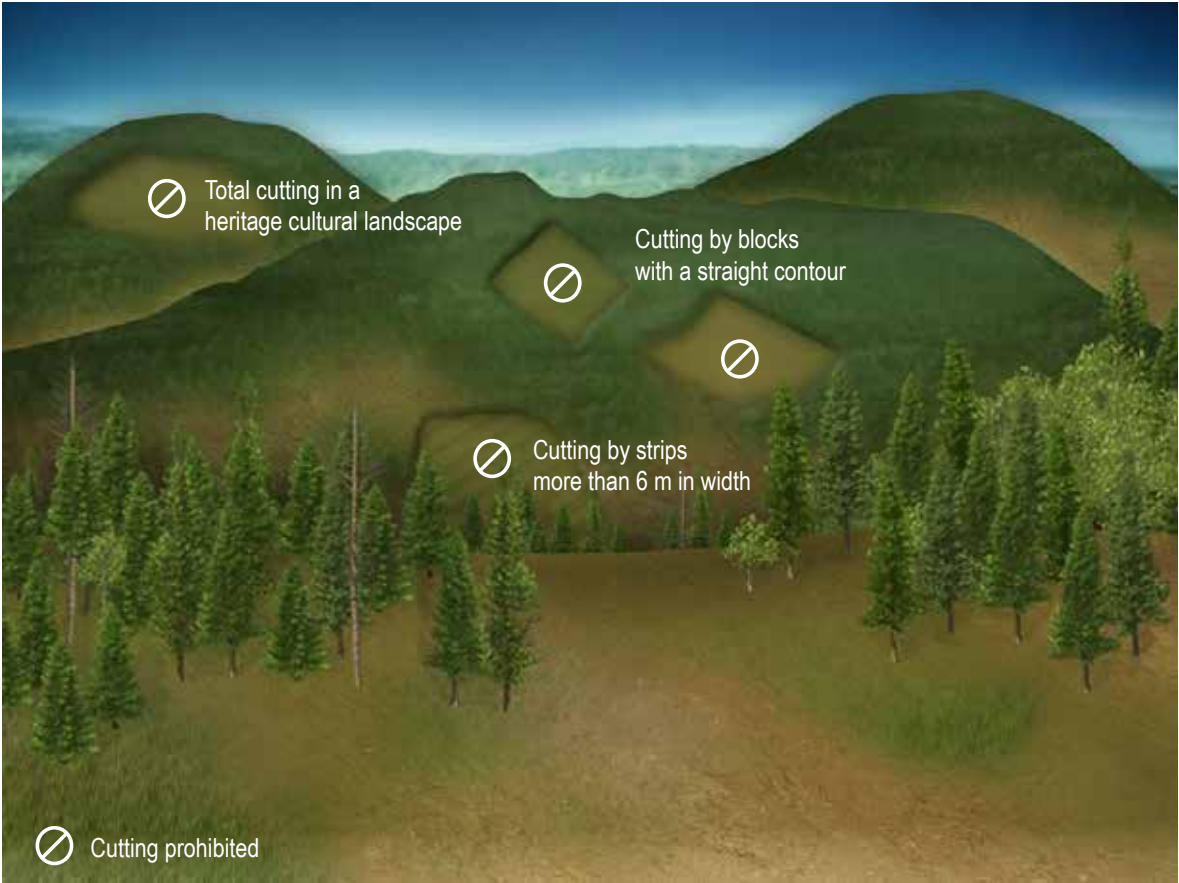
**Figure 13A** Encadrement visuel autour d'un poste d'accueil



**Figure 13B** Visual setting around a downhill skiing centre



**Figure 14A** Cuts permitted in a visual setting or heritage cultural landscape



**Figure 14B** Cuts prohibited in a visual setting or heritage cultural landscape

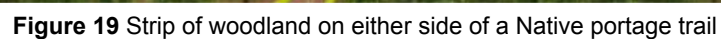
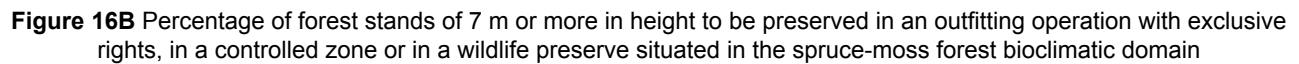




**Figure 15** Percentage of forest stands of 7 m or more in height to be preserved in an island of 250 ha to 500 ha



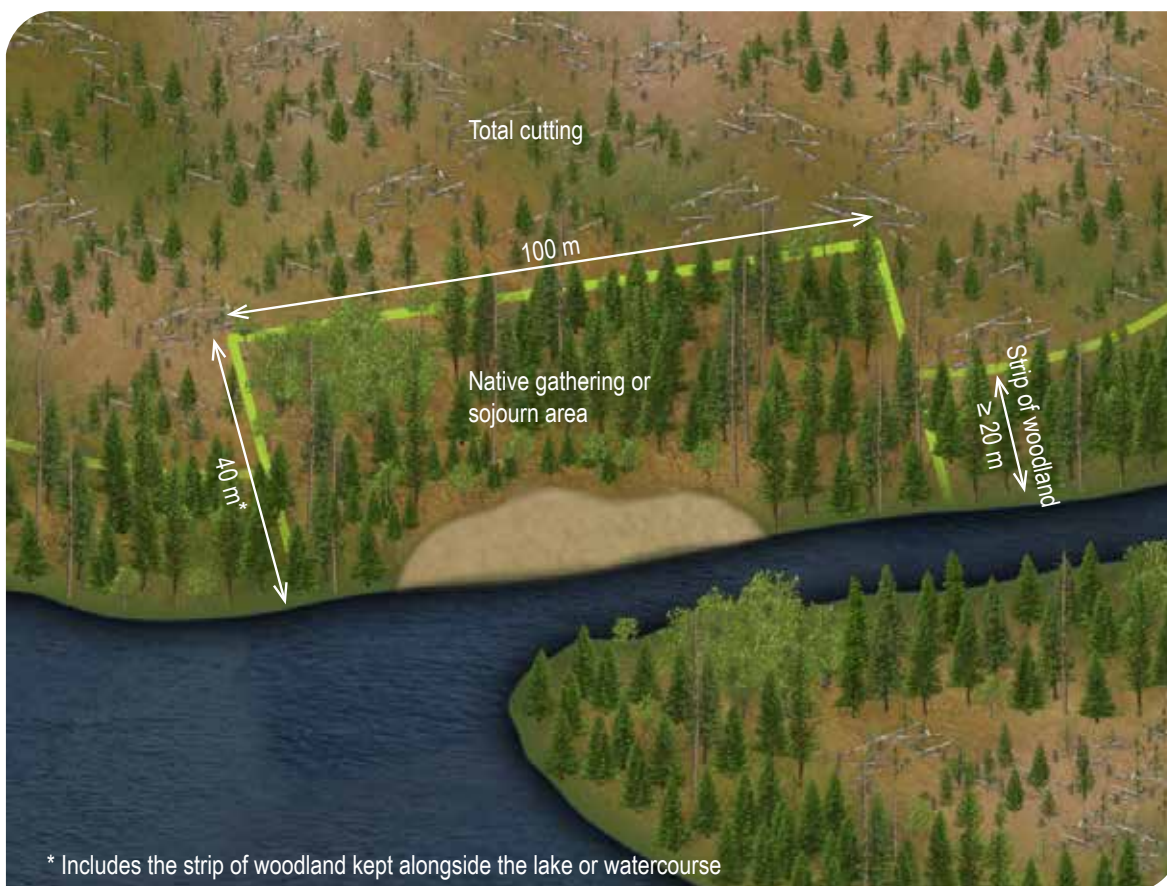
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**Figure 20** Area where forest development activities are prohibited around a campground or group of campgrounds installed on a trapping ground

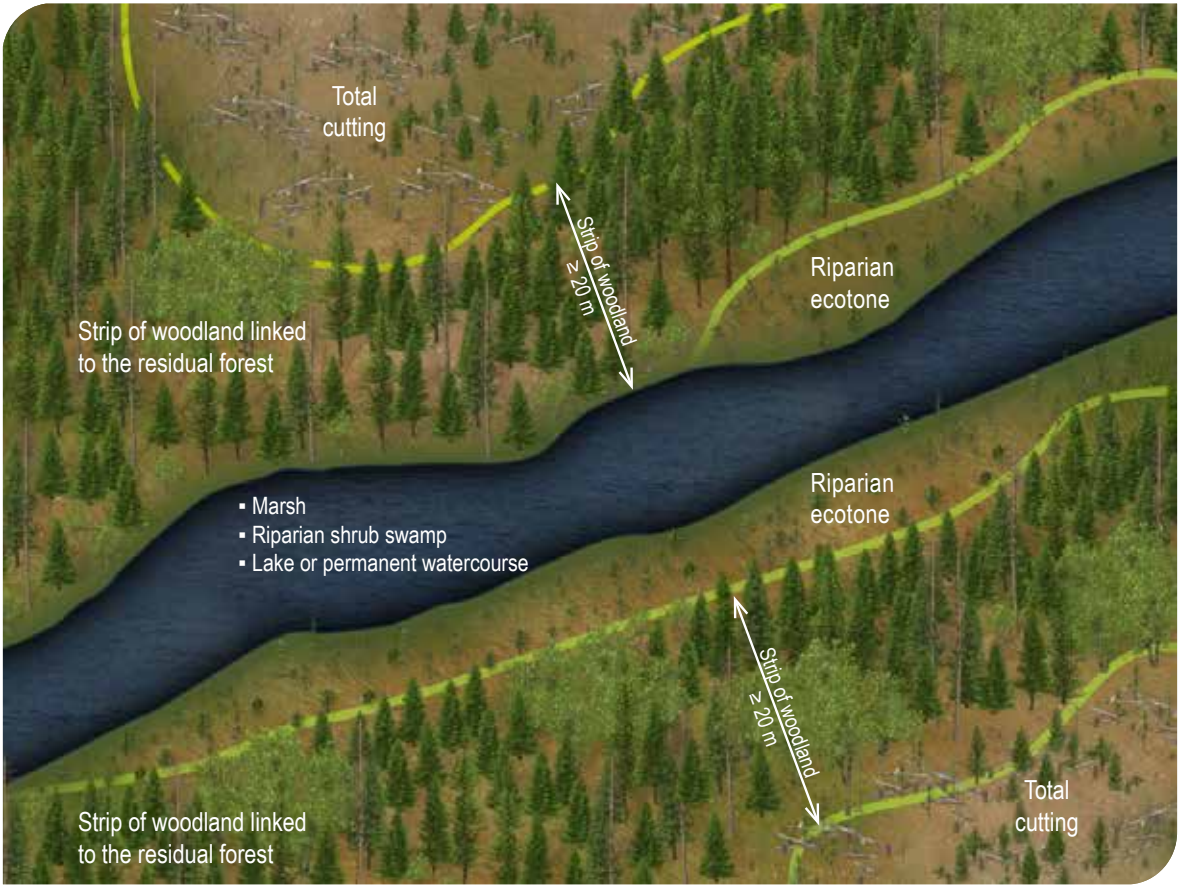


**Figure 22** Area where forest development activities are prohibited around a Native gathering or sojourn area



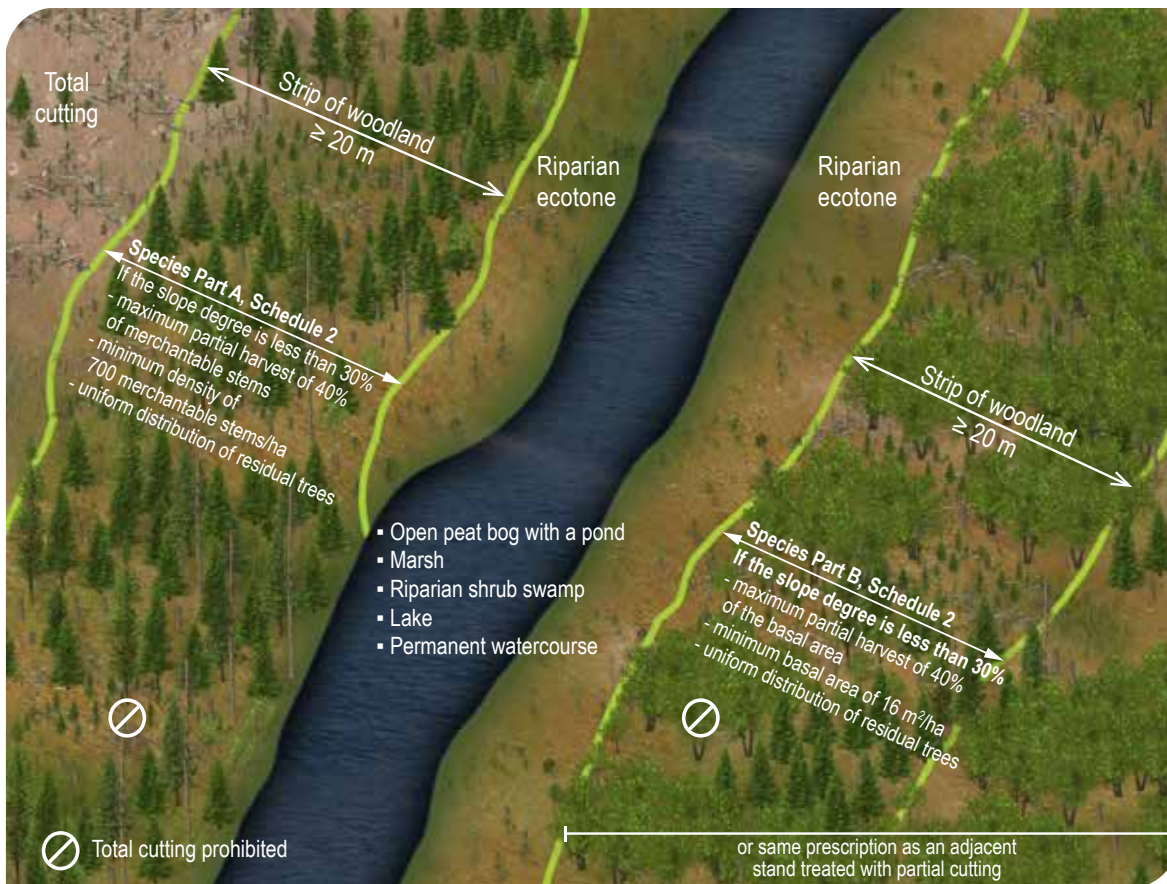


**Figure 27A** Strip of woodland alongside an open peat bog with a pond

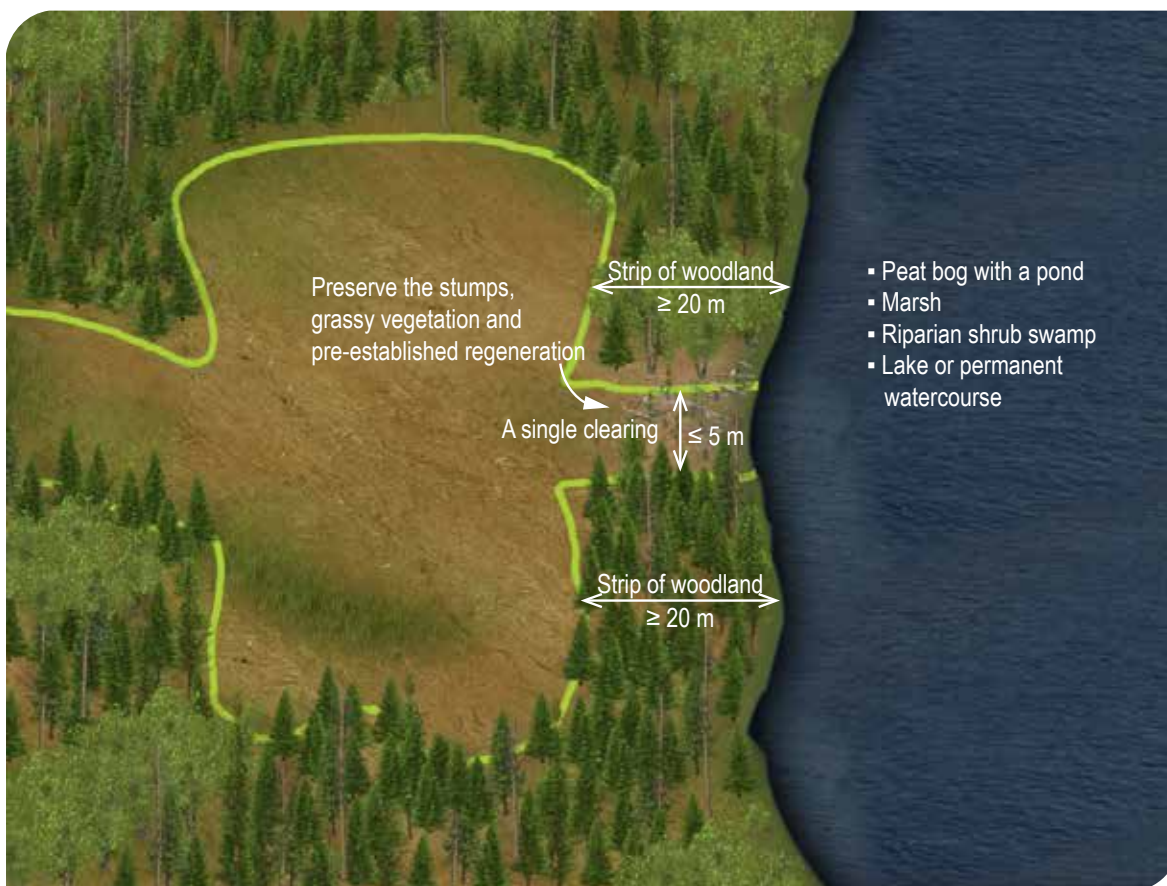


**Figure 27B** Strip of woodland alongside a wetland or aquatic environment



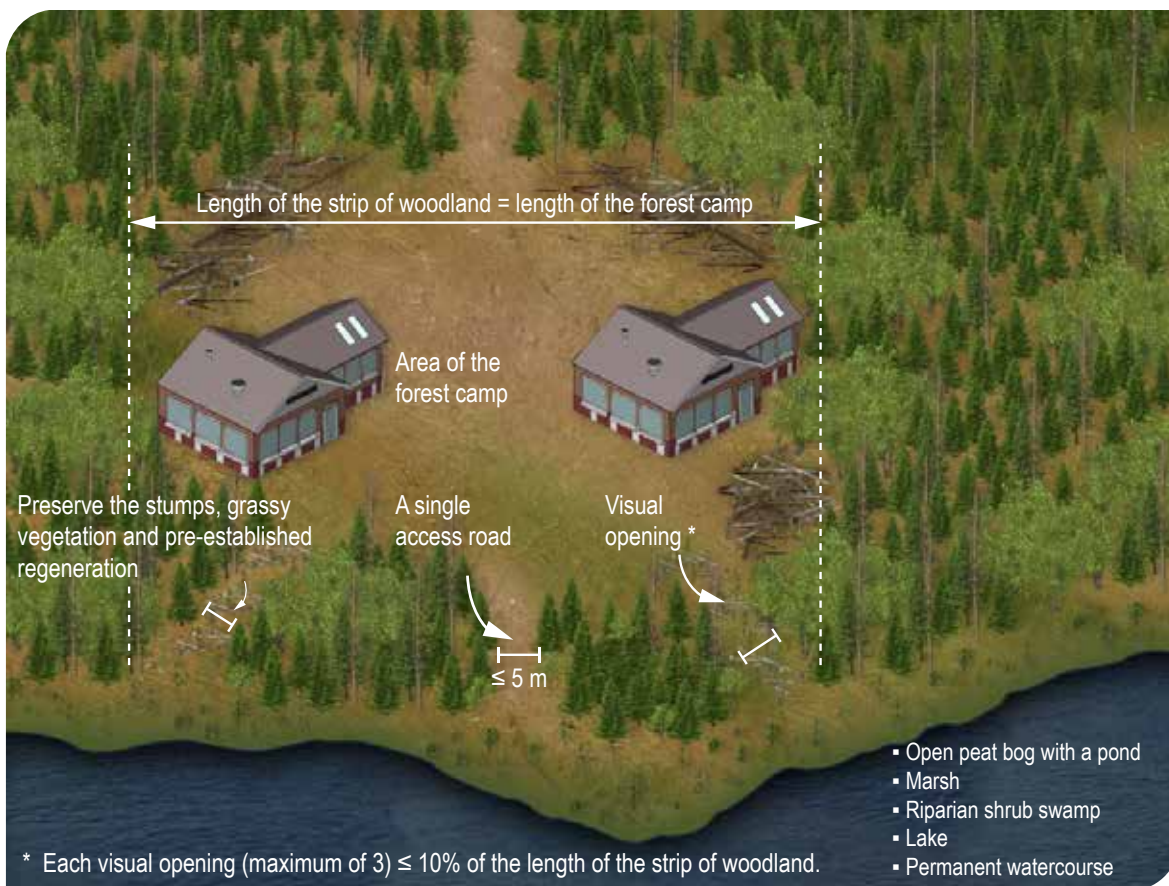


**Figure 28** Partial cutting in a strip of woodland alongside a wetland or aquatic environment

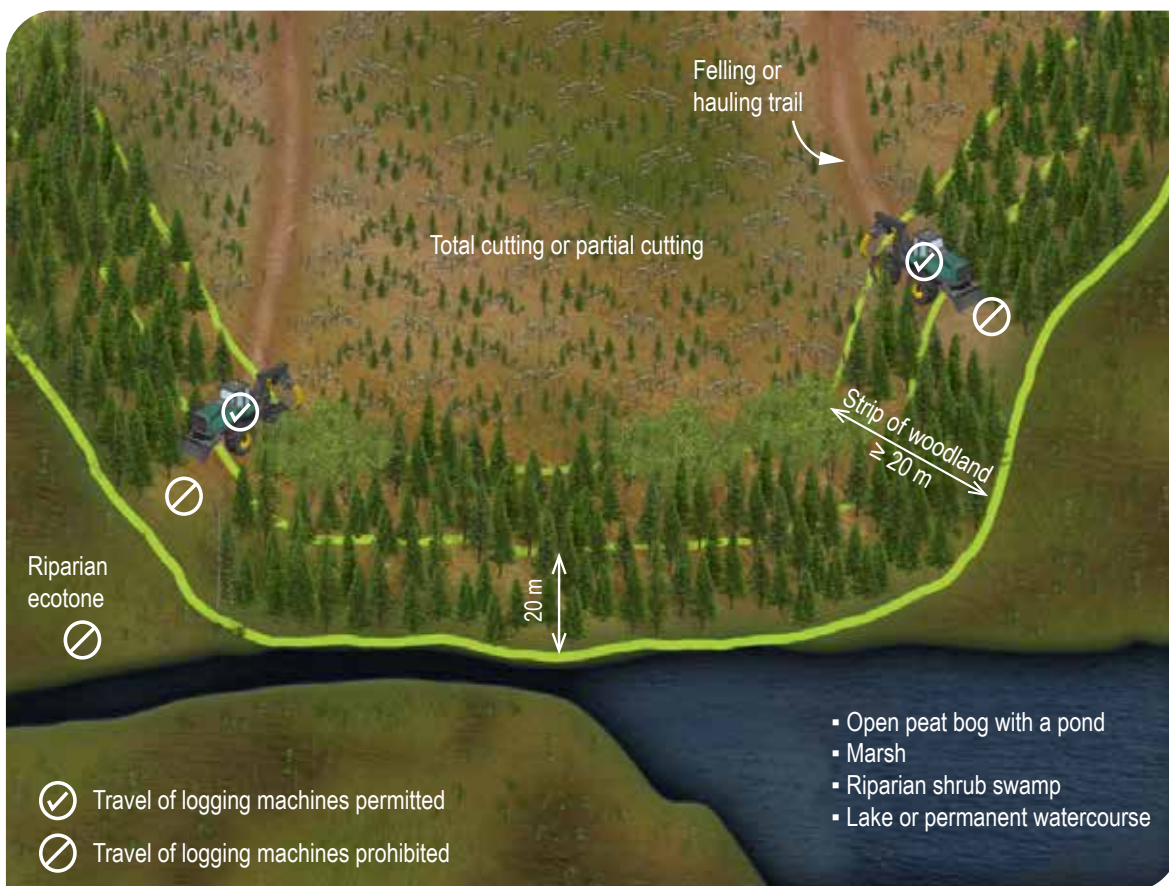


**Figure 30** Clearing of an opening in the strip of woodland alongside a wetland or aquatic environment in order to carry out mining exploration work



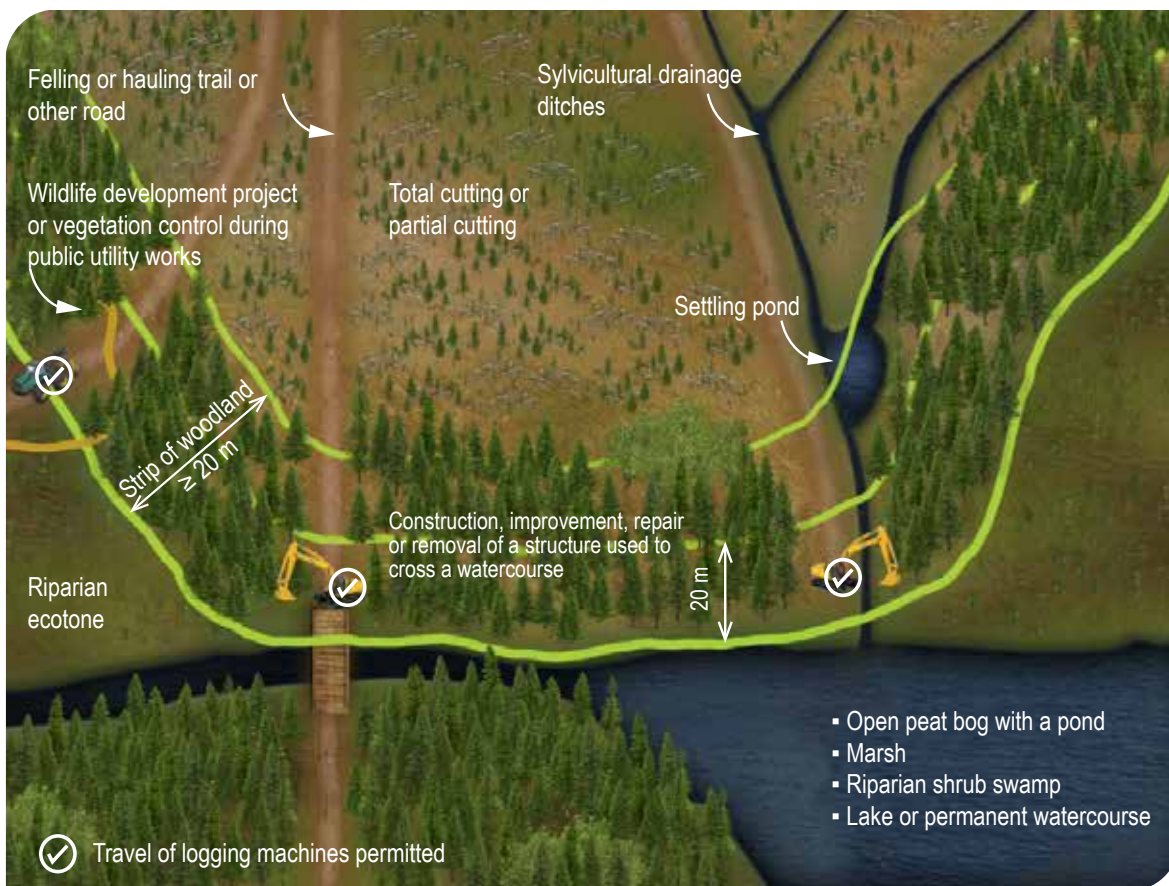


**Figure 31** Clearing of openings in the strip of woodland alongside a wetland or aquatic environment located near a forest camp



**Figure 32A** Rules governing travel of logging machines in the riparian ecotone and in the strip of woodland alongside a wetland or aquatic environment



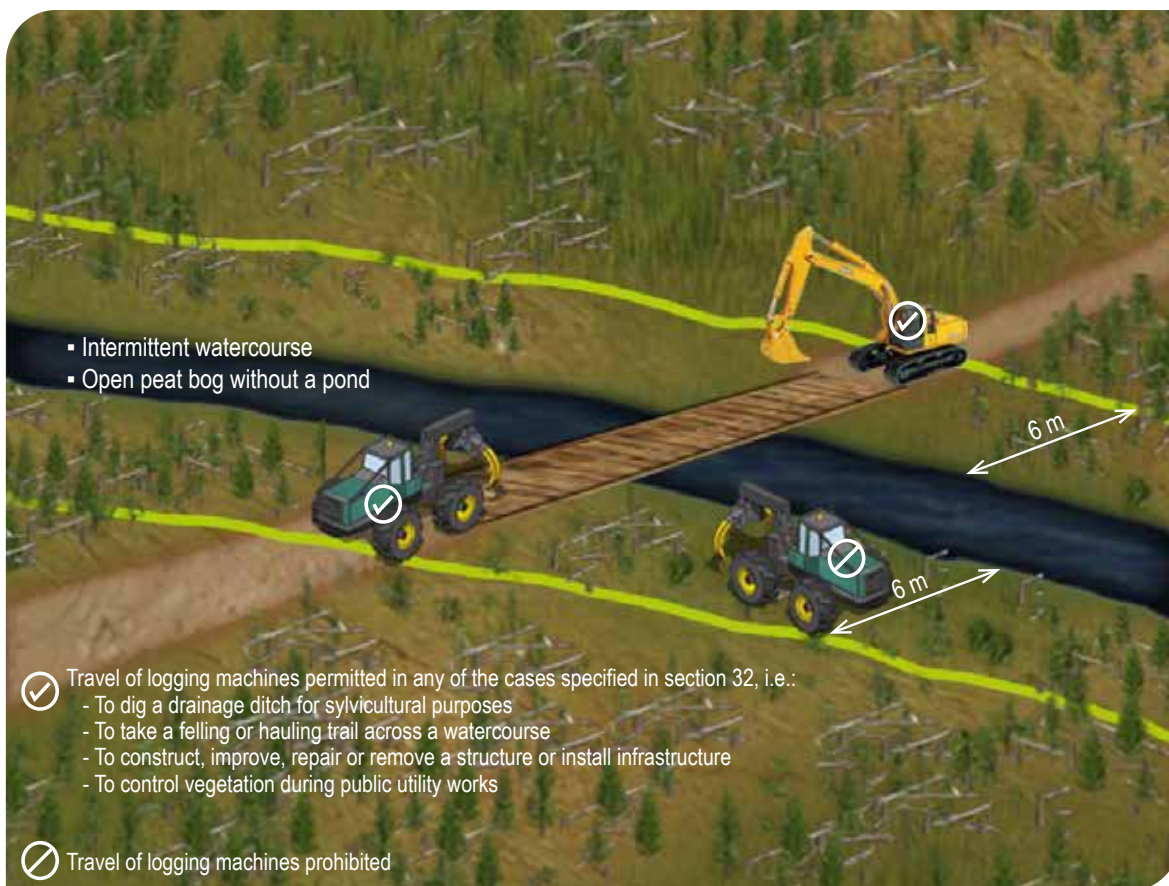


**Figure 32B** Rules governing travel of logging machines in the riparian ecotone and in the strip of woodland alongside a wetland or aquatic environment

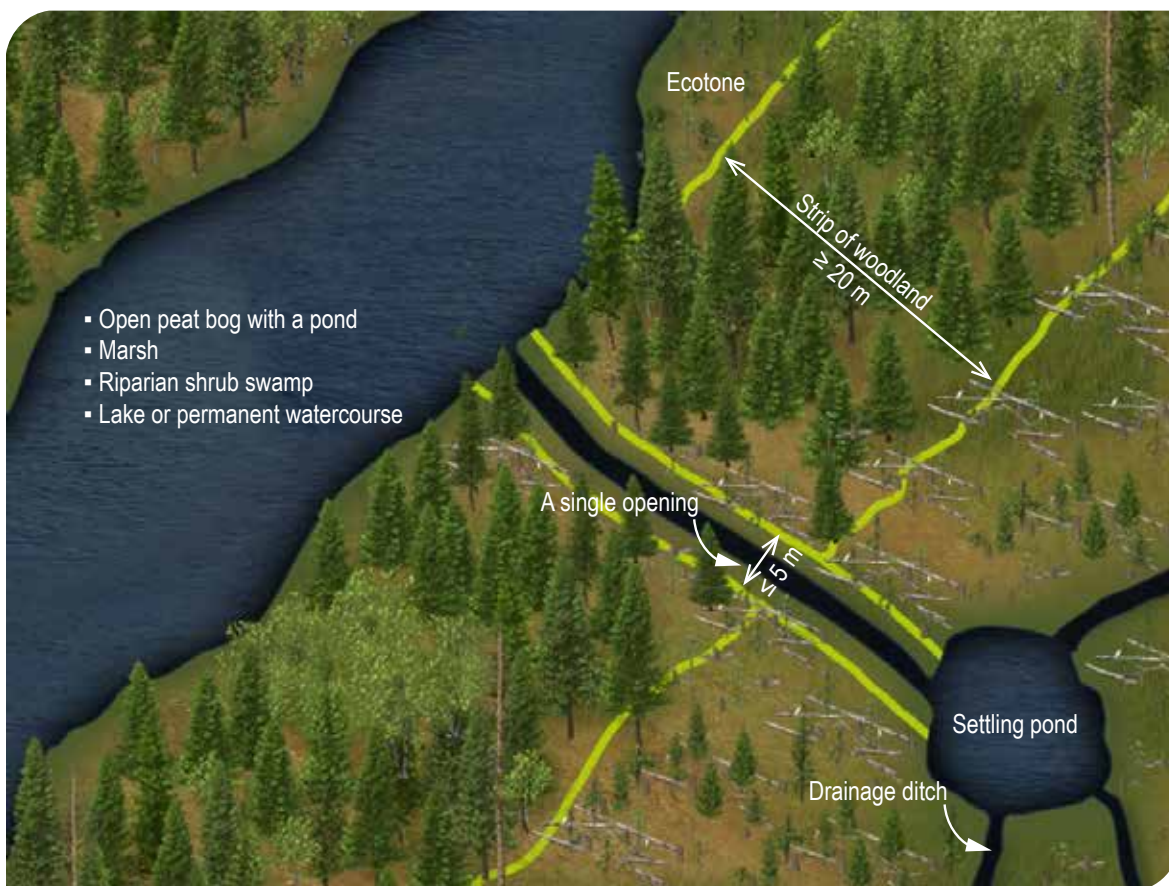


**Figure 34A** Rules governing the travel of logging machines alongside a wetland or aquatic environment



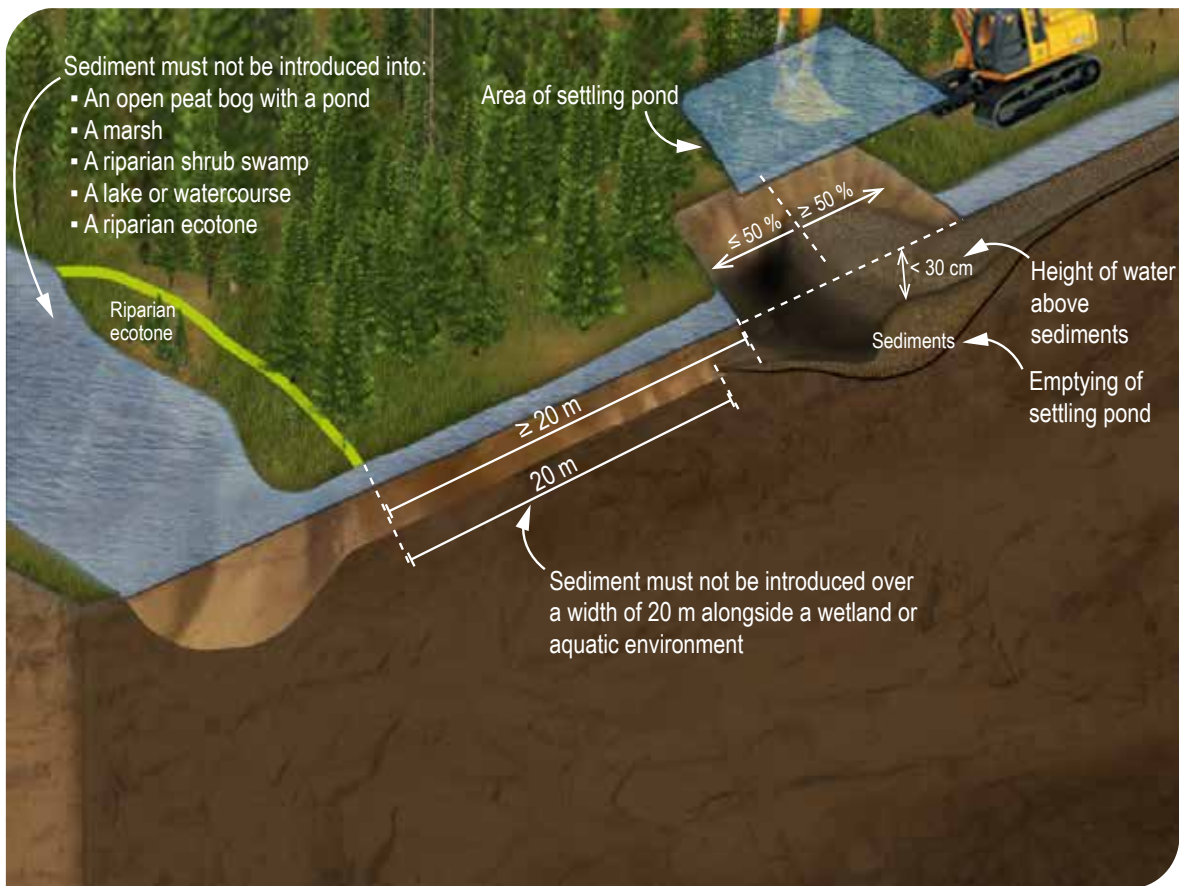


**Figure 34B** Rules governing the travel of logging machines alongside a wetland or aquatic environment

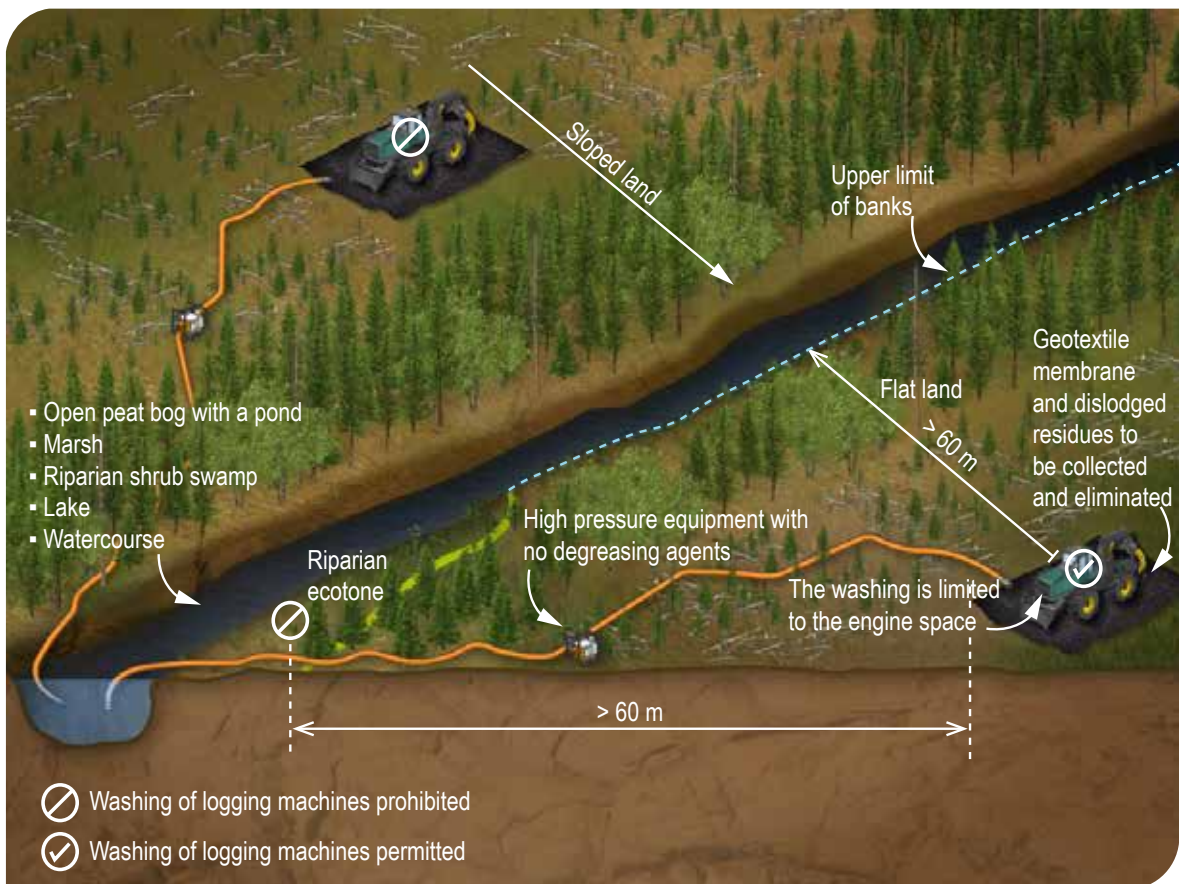


**Figure 35** Rules governing the digging of a drainage ditch or network of silvicultural drainage ditches



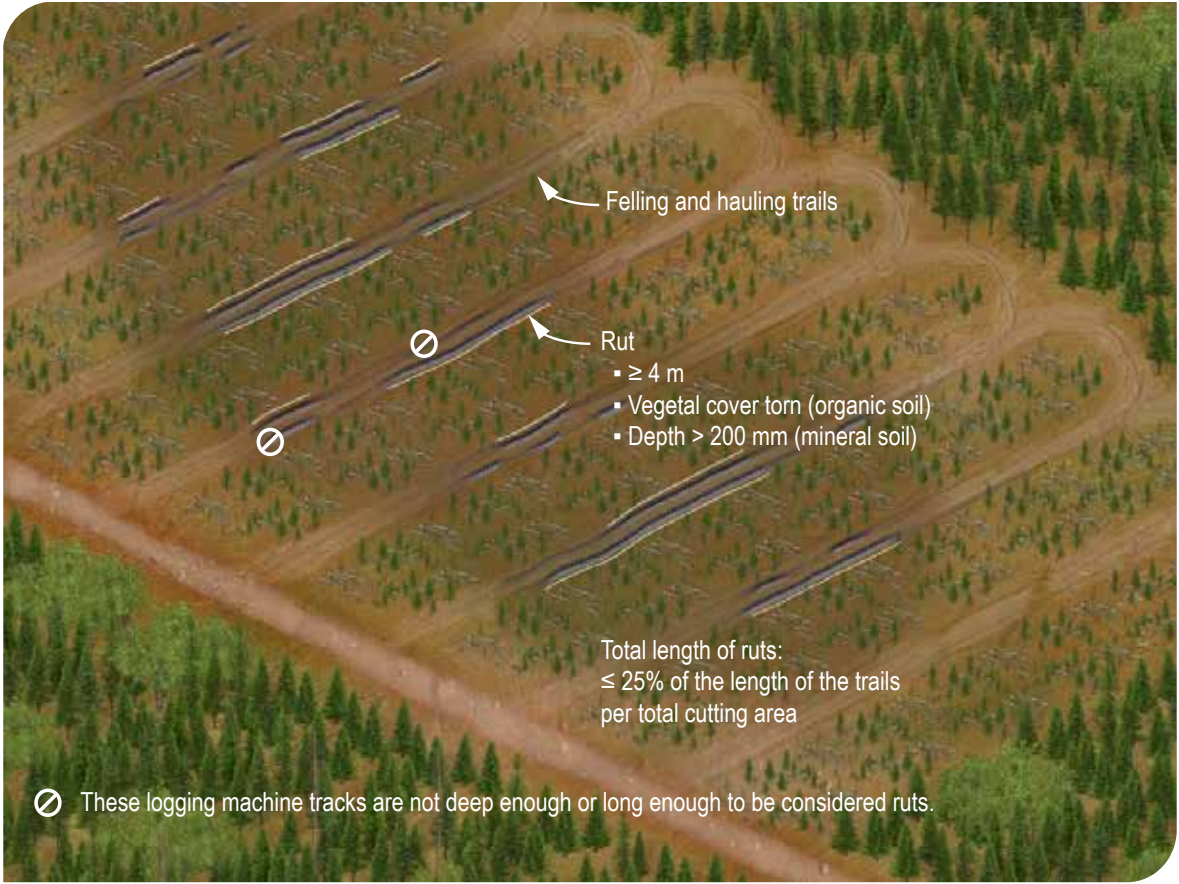


**Figure 36** Rules governing the digging of a drainage ditch or network of silvicultural drainage ditches

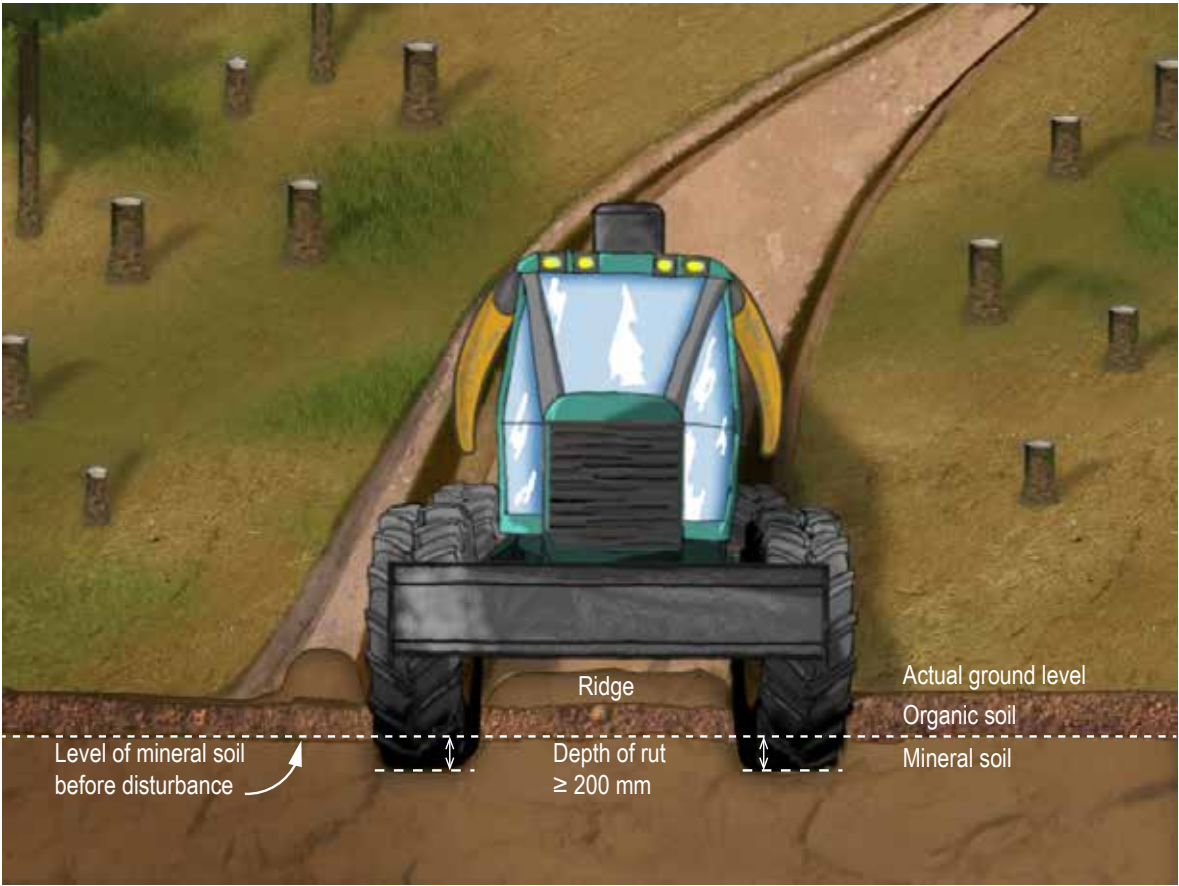


**Figure 38** Rules governing the washing of logging machines



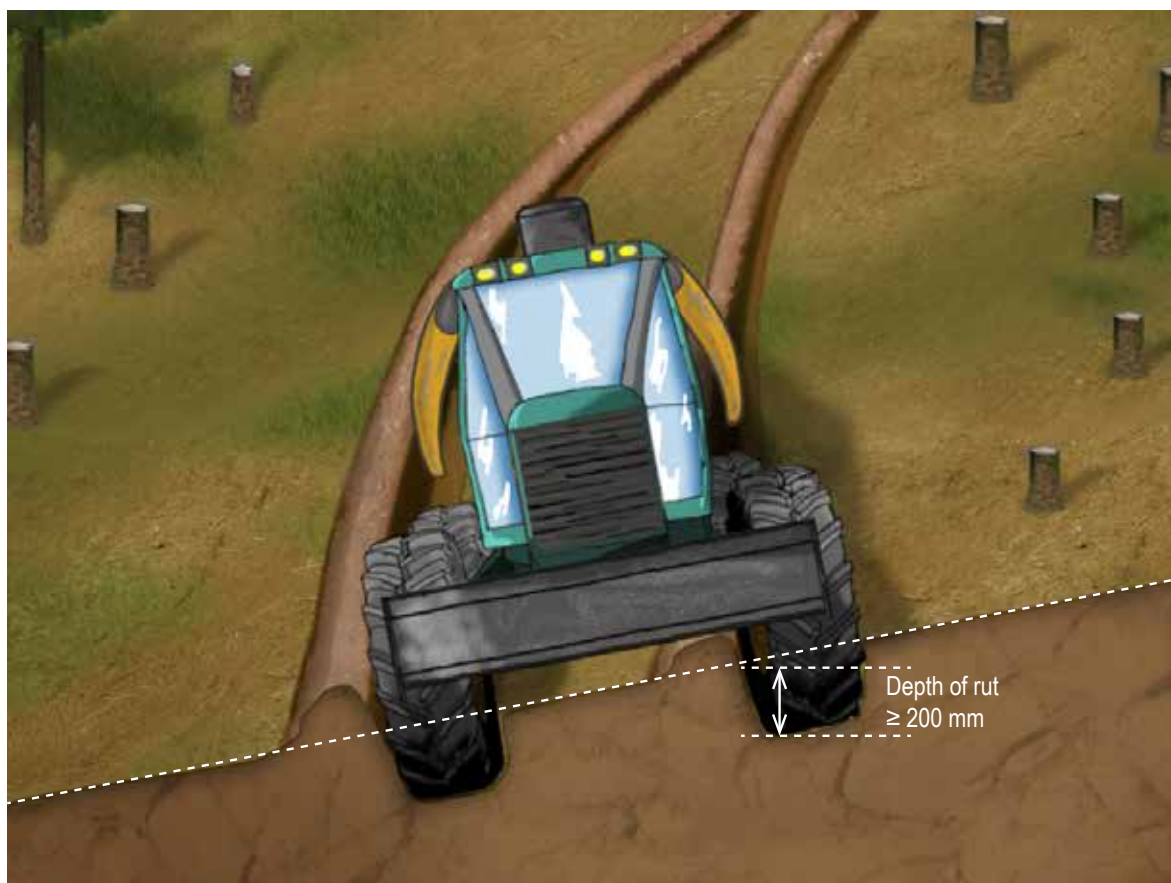


**Figure 45A** Limitation of rutting in felling and hauling trails

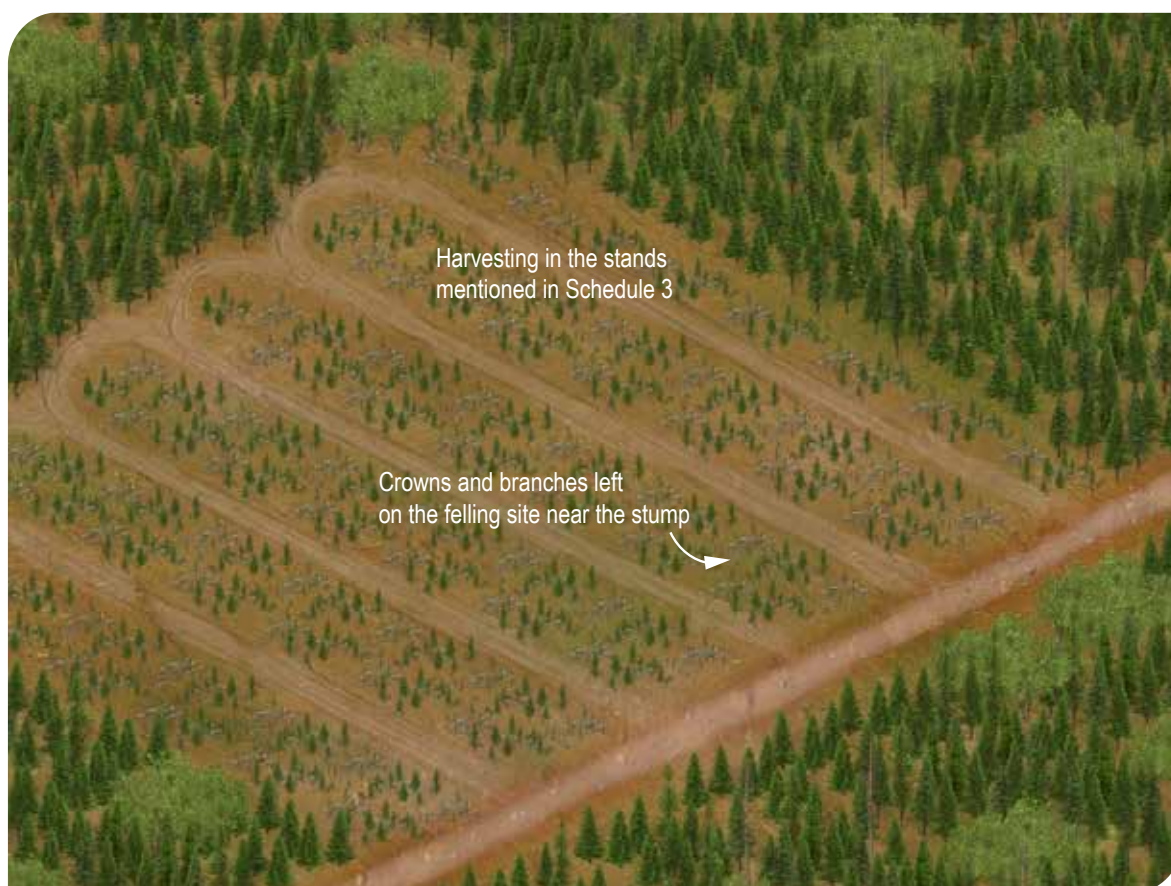


**Figure 45B** Measuring rut depth



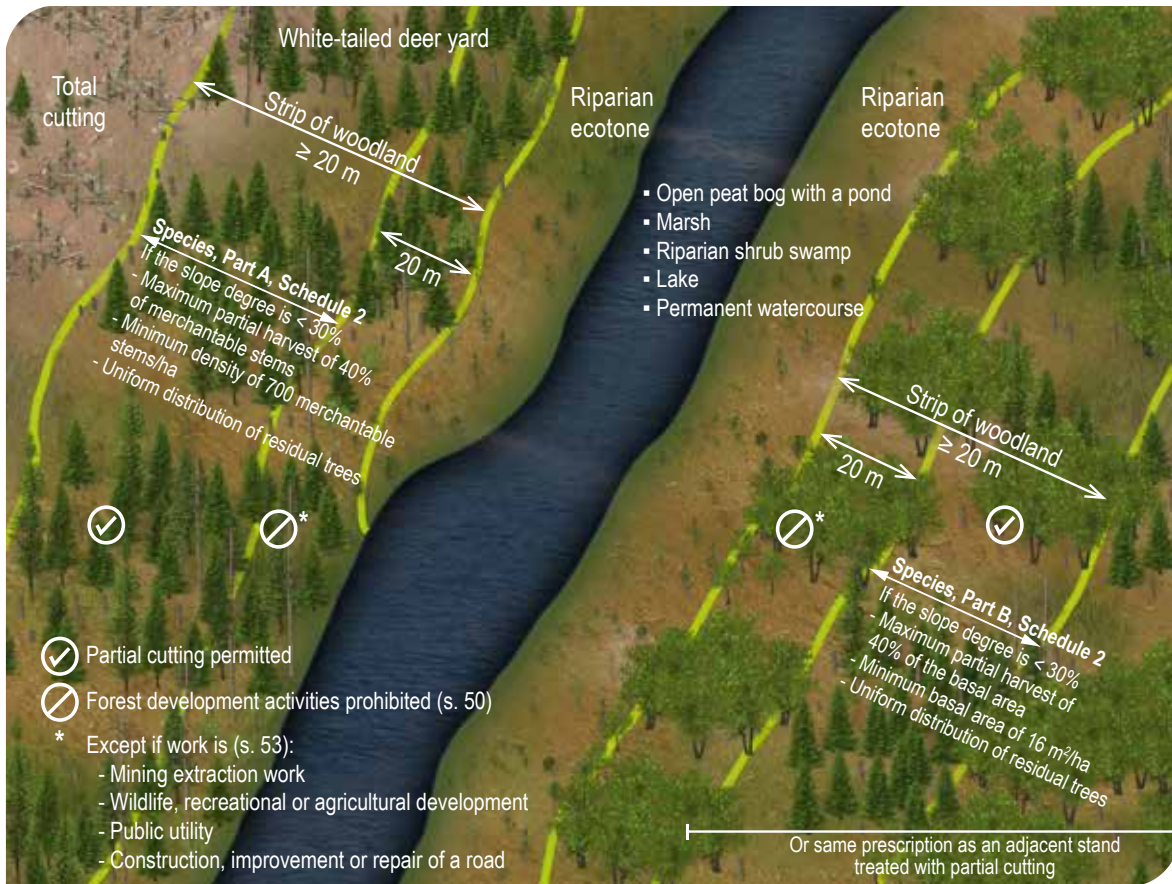


**Figure 45C** Measuring rut depth on slope



**Figure 46** Branches and crowns left on the felling site to prevent long-term loss of soil productivity



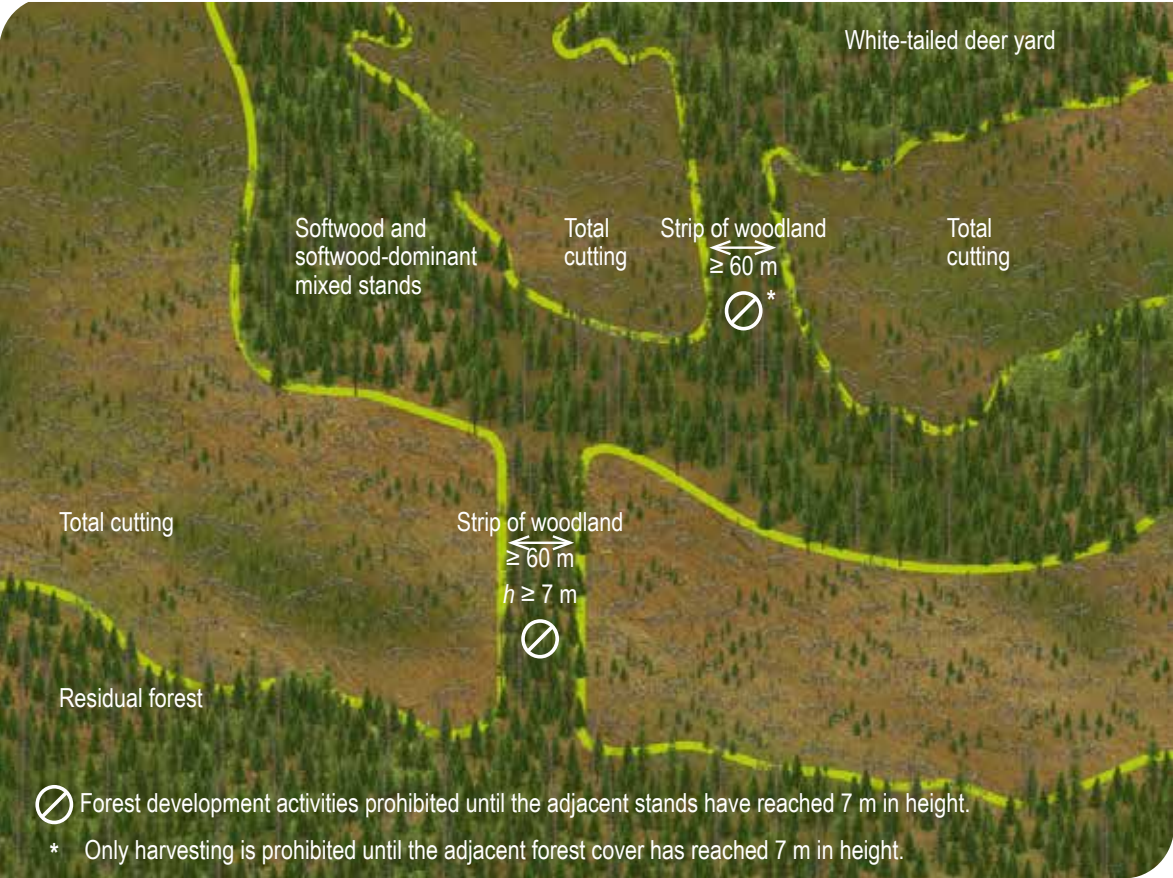


**Figure 50A** Rules governing forest development activities in the strip of woodland alongside a wetland or aquatic environment located in a white-tailed deer yard

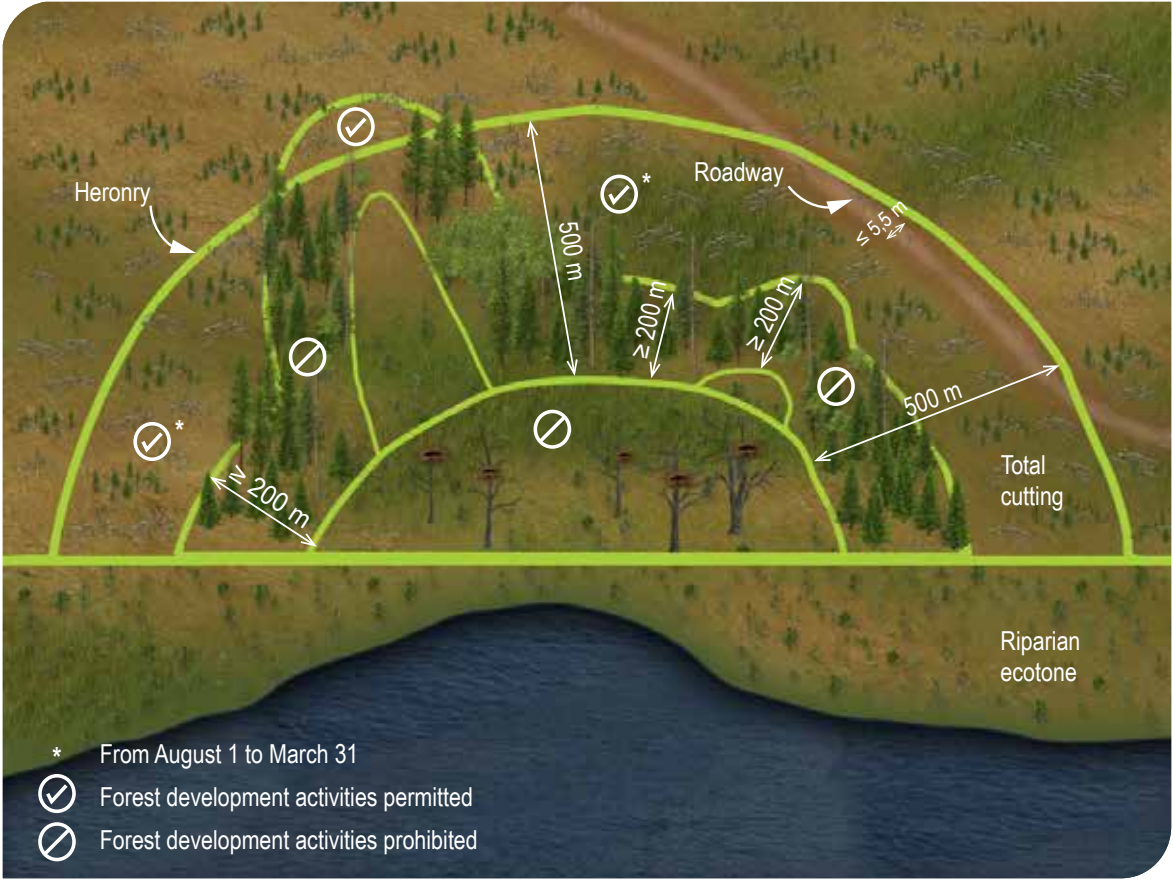


**Figure 50B** Rules governing forest development activities in the strip of woodland alongside a wetland or aquatic environment located in a white-tailed deer yard





**Figure 52** Strips of woodland connecting a white-tailed deer yard to the residual forest or separating two areas of total cutting in softwood and softwood-dominant mixed stands within a white-tailed deer yard



**Figure 54** Rules governing forest development activities in heronries



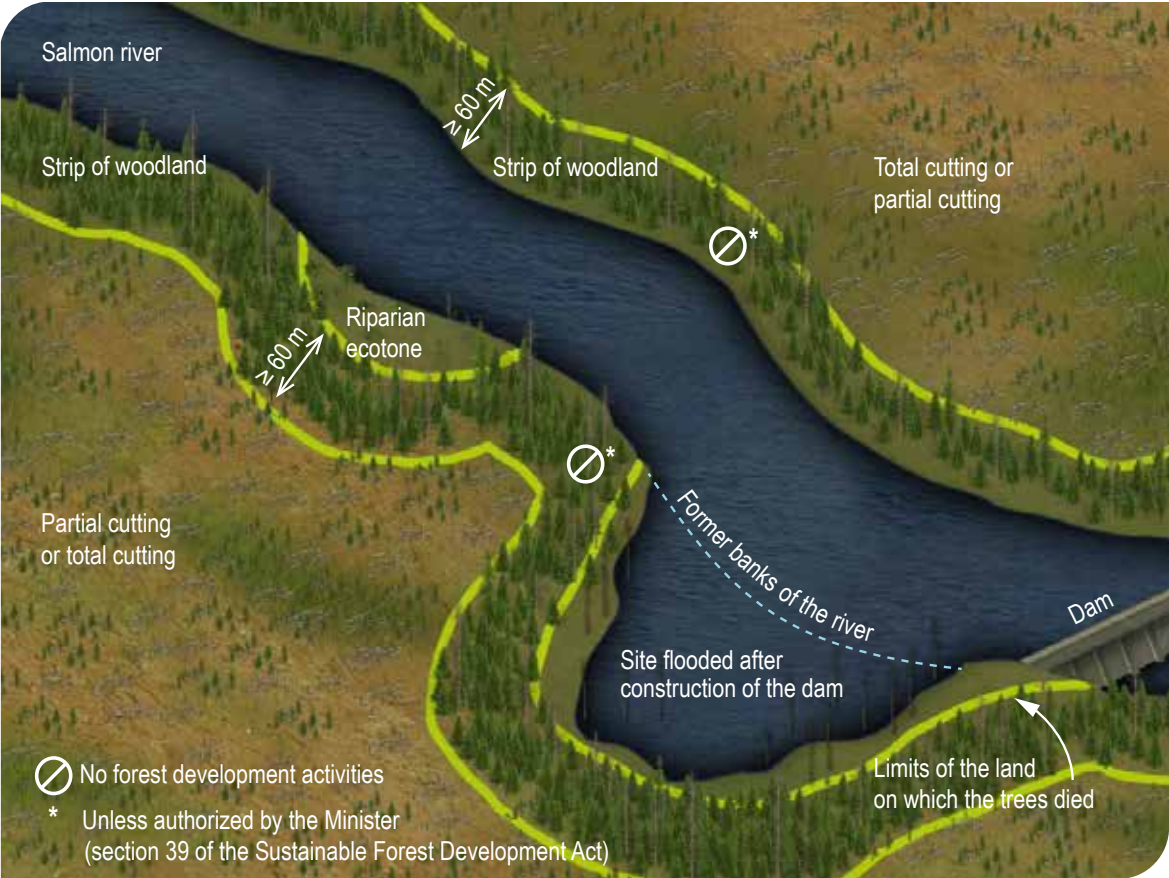


Figure 55 Rules governing forest development activities alongside a salmon river



Figure 56 Rules governing forest development activities alongside a bear den



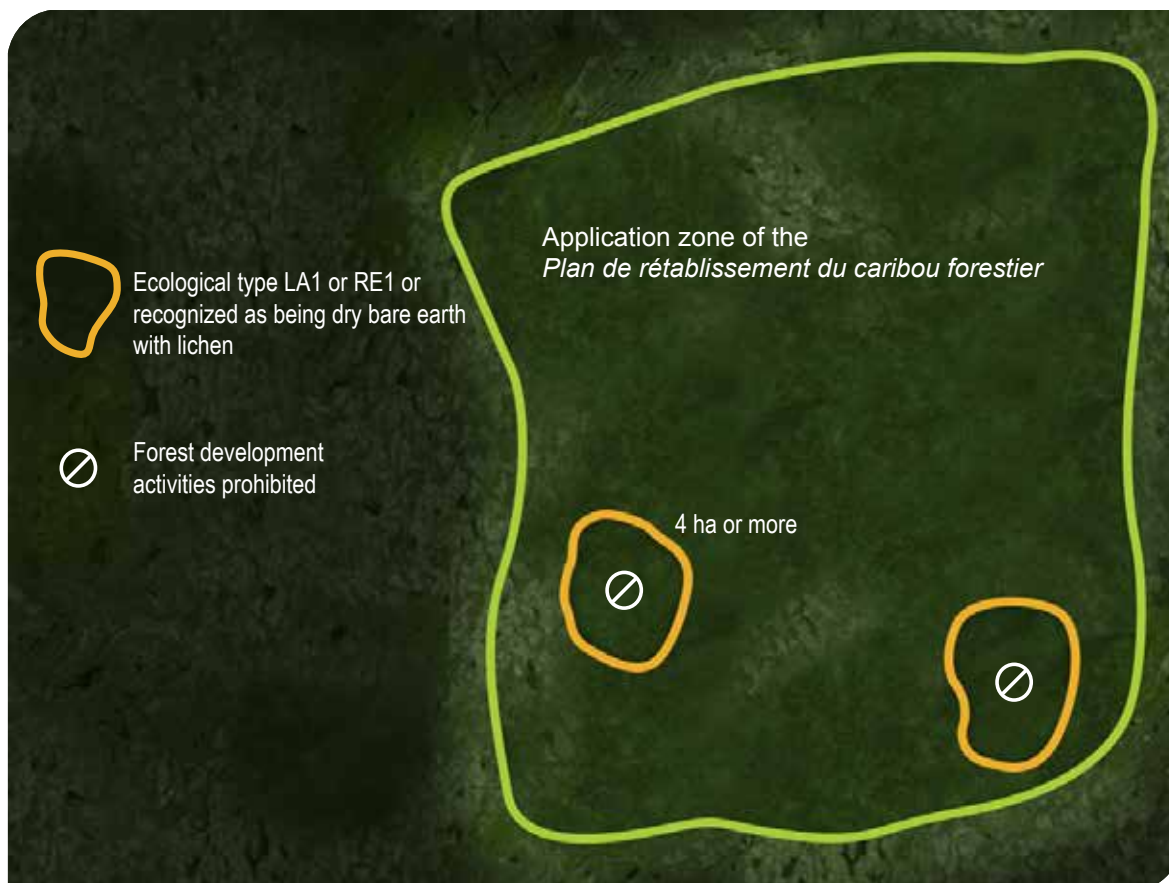


**Figure 57** Rules governing forest development activities alongside a salt lick

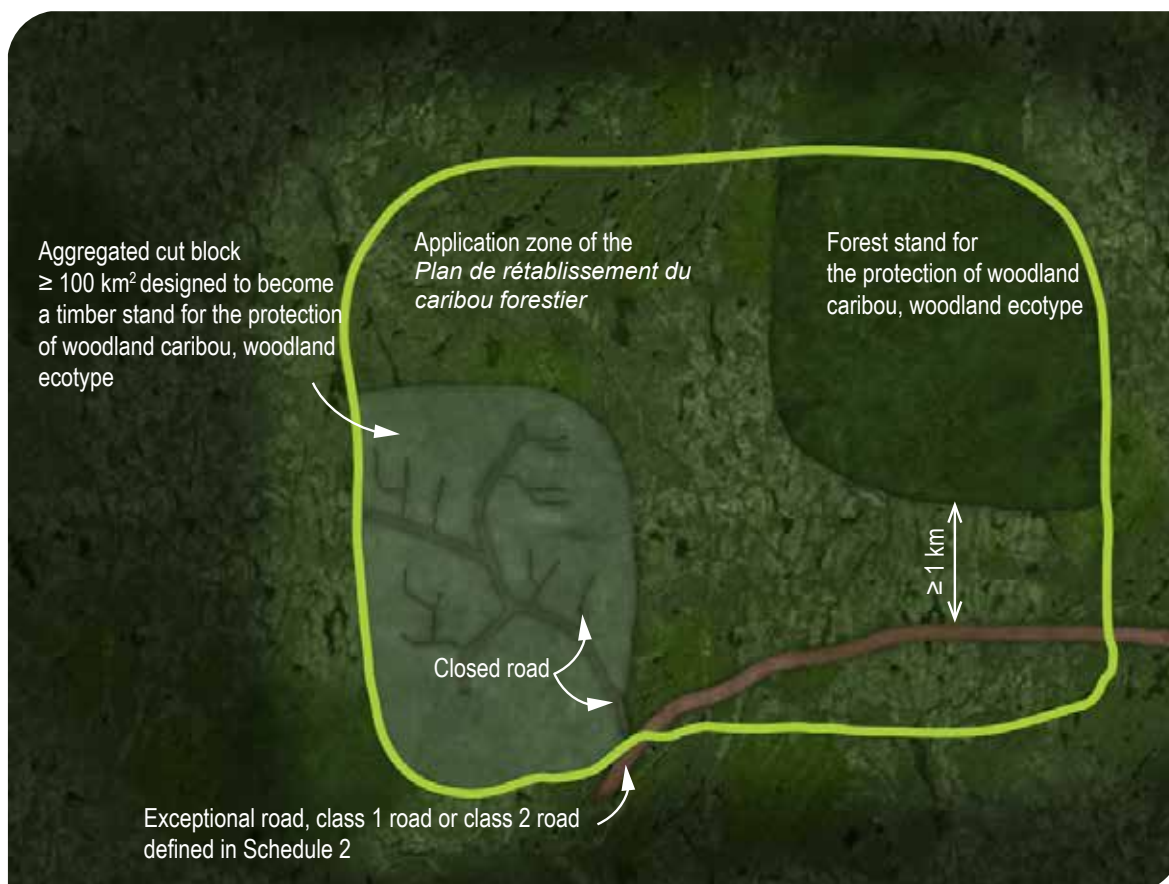


**Figure 58** Rules governing forest development activities in a white-tailed deer yard

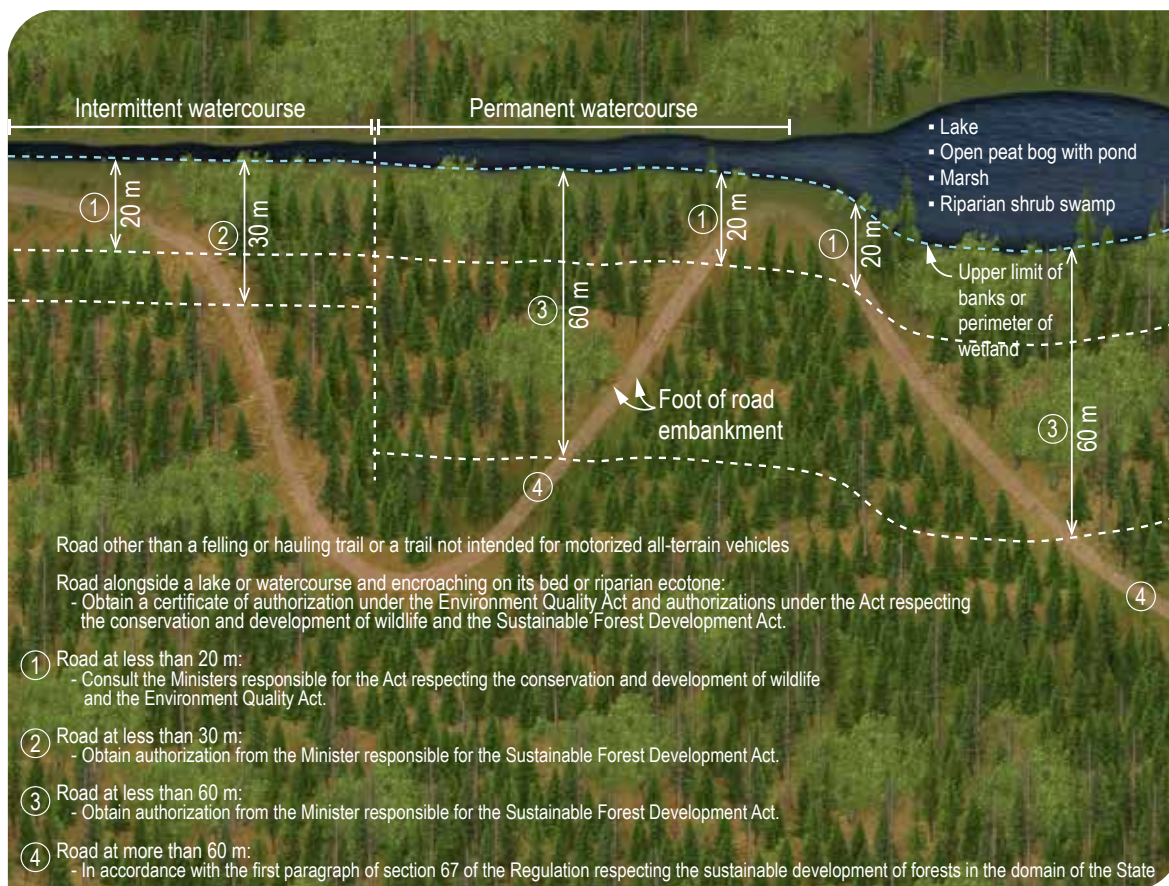




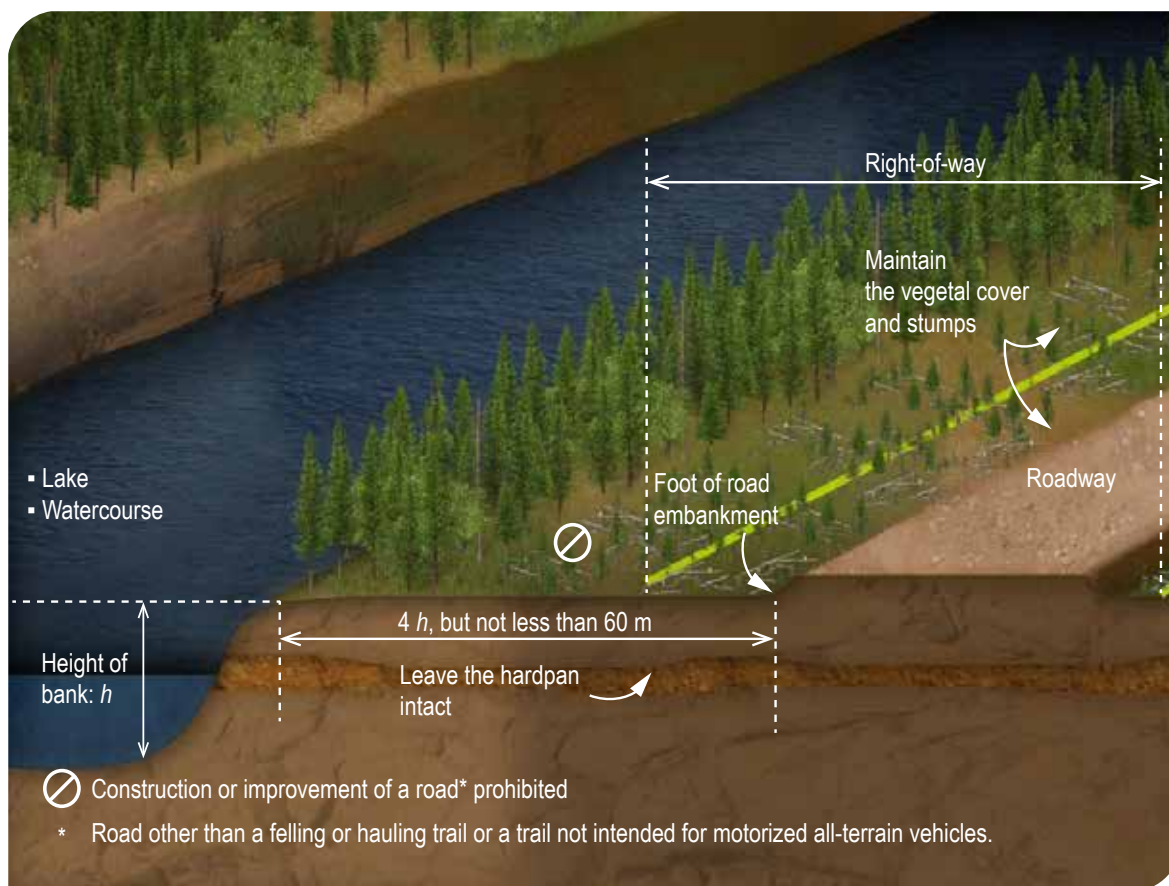
**Figure 59** Rules governing forest development activities in the application zone of the *Plan de rétablissement du caribou forestier*, ecotype forestier



**Figure 60** Rules governing the location, closure and restoration to production of a road in the application zone of the *Plan de rétablissement du caribou des bois*, ecotype forestier

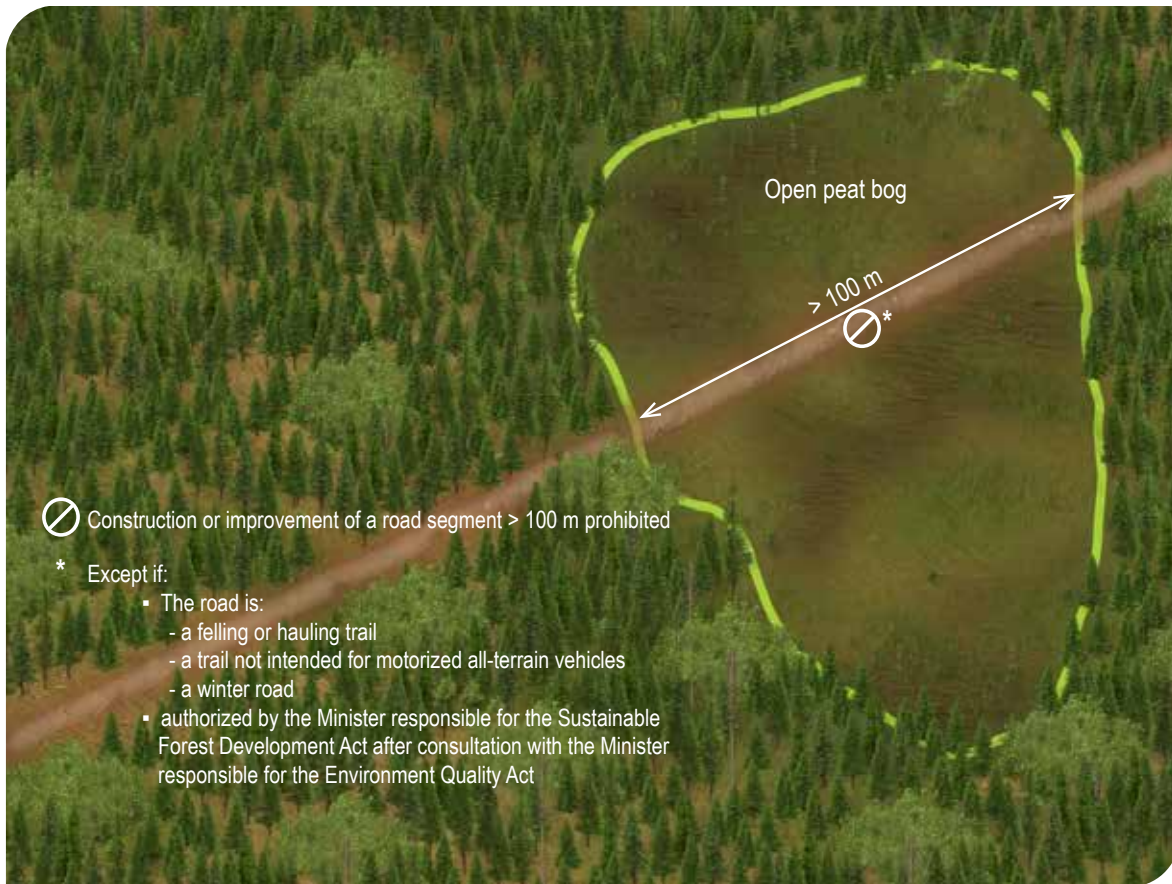


**Figure 67A** Rules governing the construction or improvement of a road located near a wetland or aquatic environment

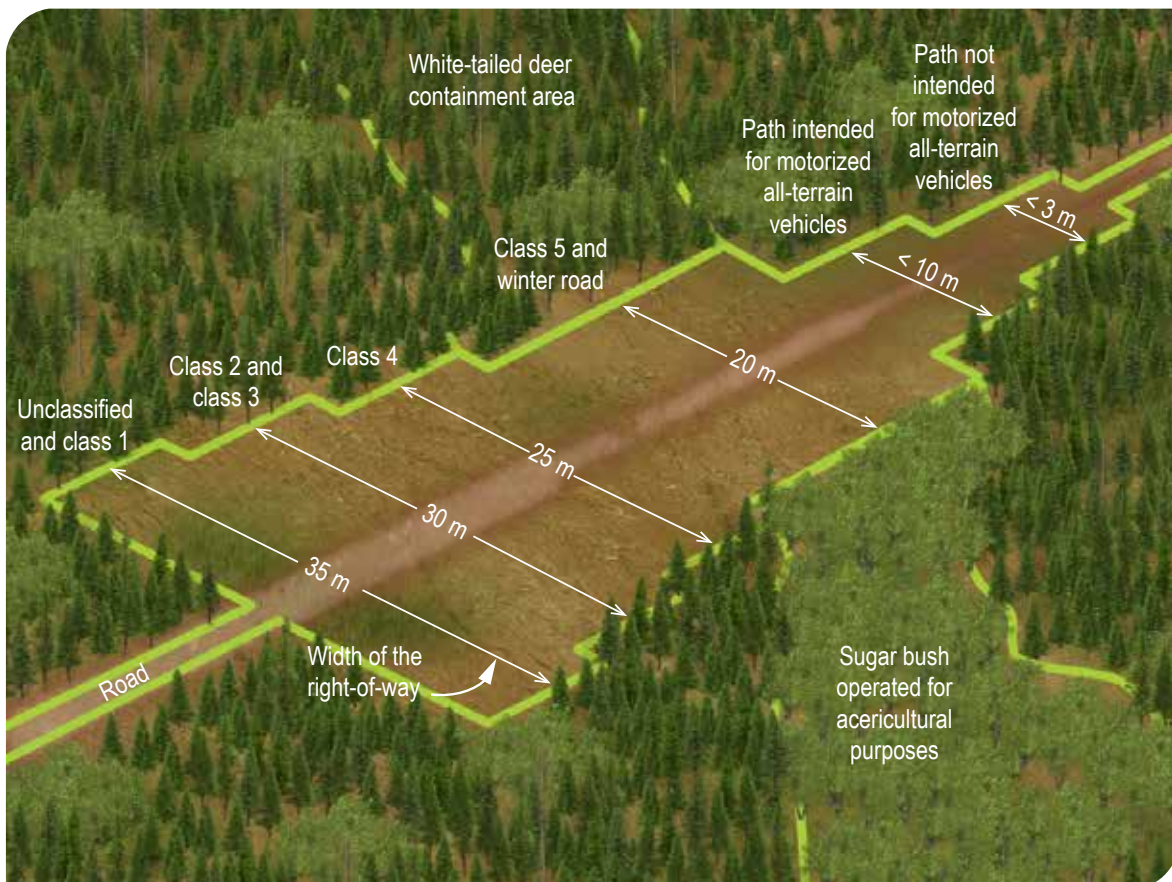


**Figure 67B** Rules governing the construction or improvement of a road located near a lake or watercourse, on soil that is impervious hardpan



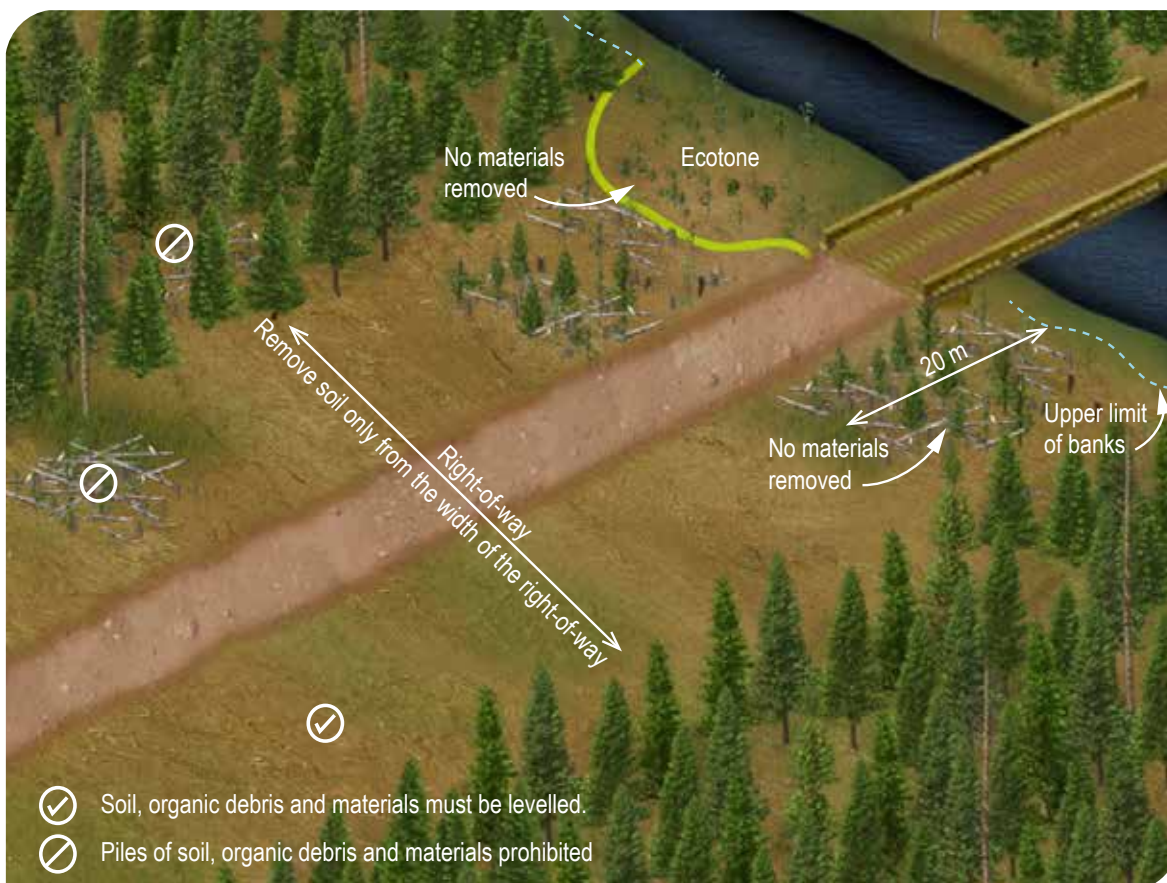


**Figure 70** Rules governing the construction or improvement of a road located in an open peat bog

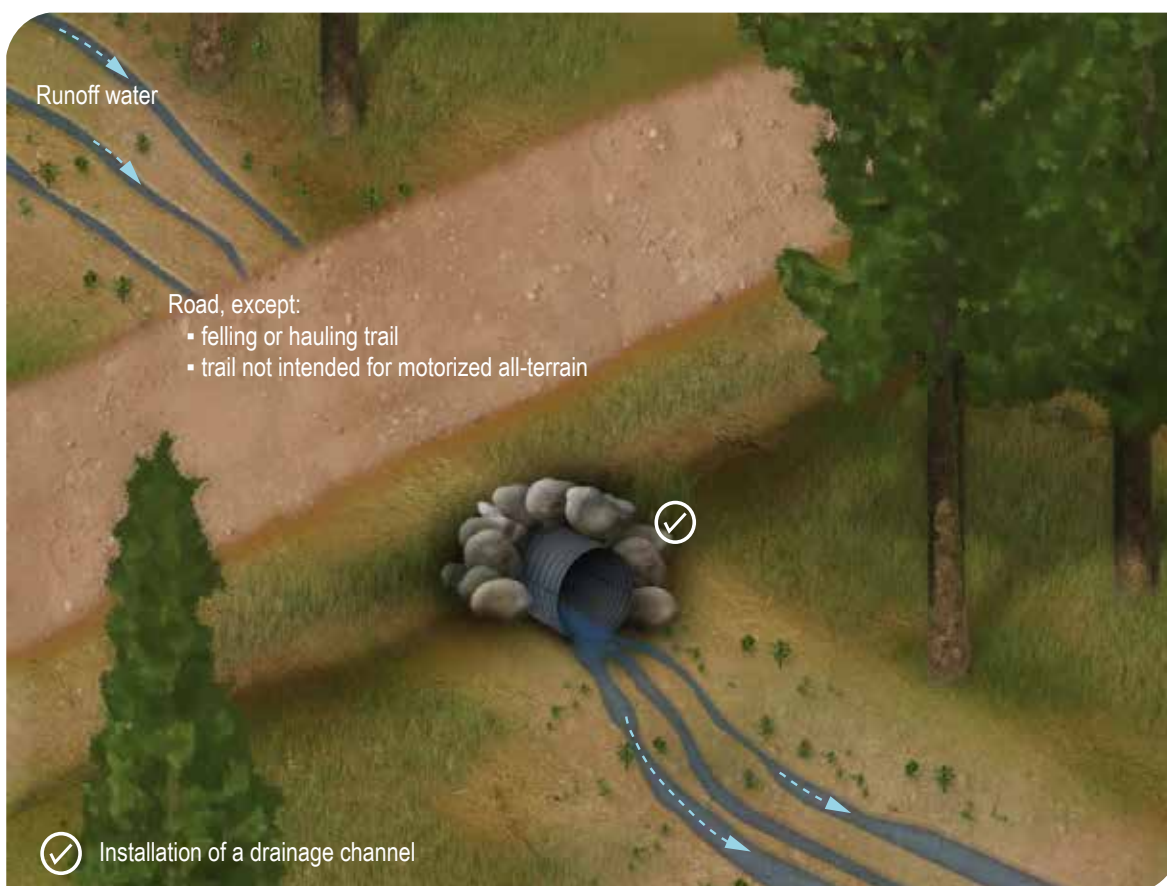


**Figure 71** Width of right-of-way by class of road



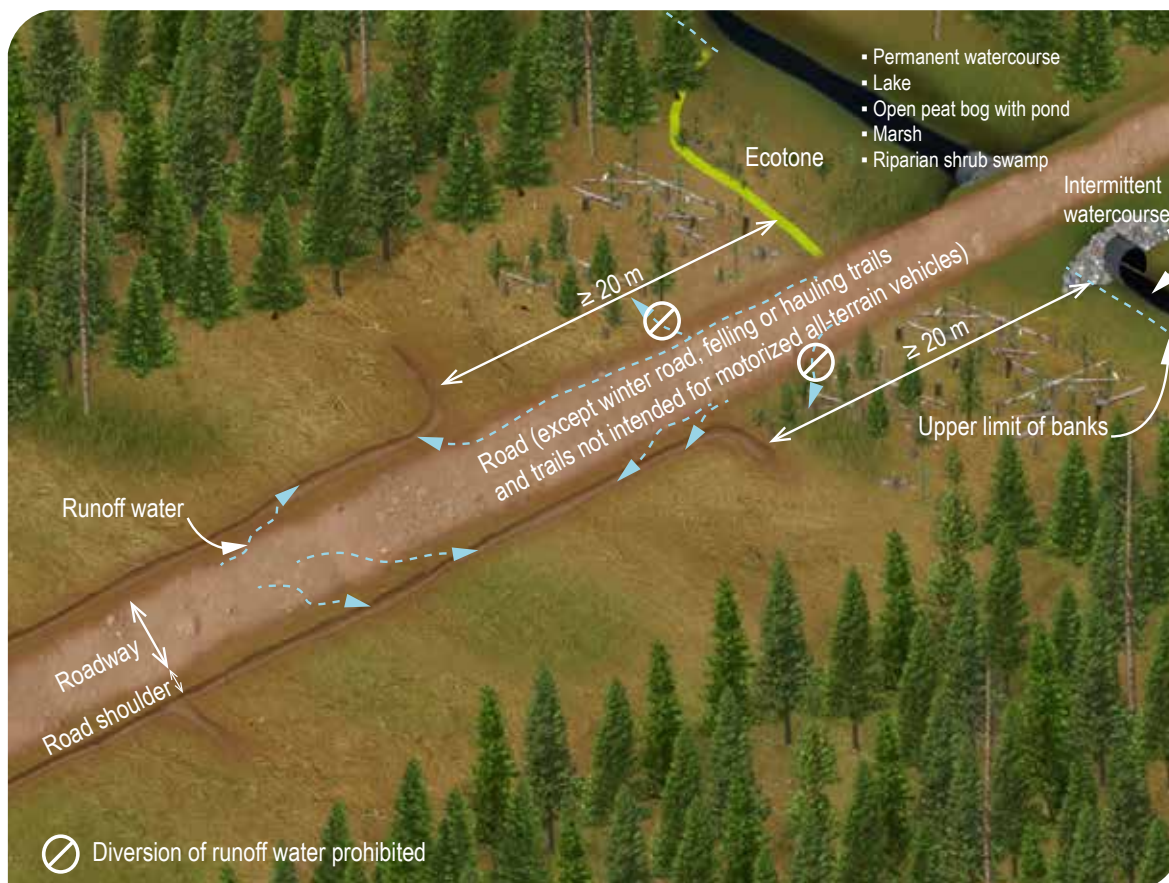


**Figure 72** Removal of soil, organic debris and materials from the right-of-way of a road

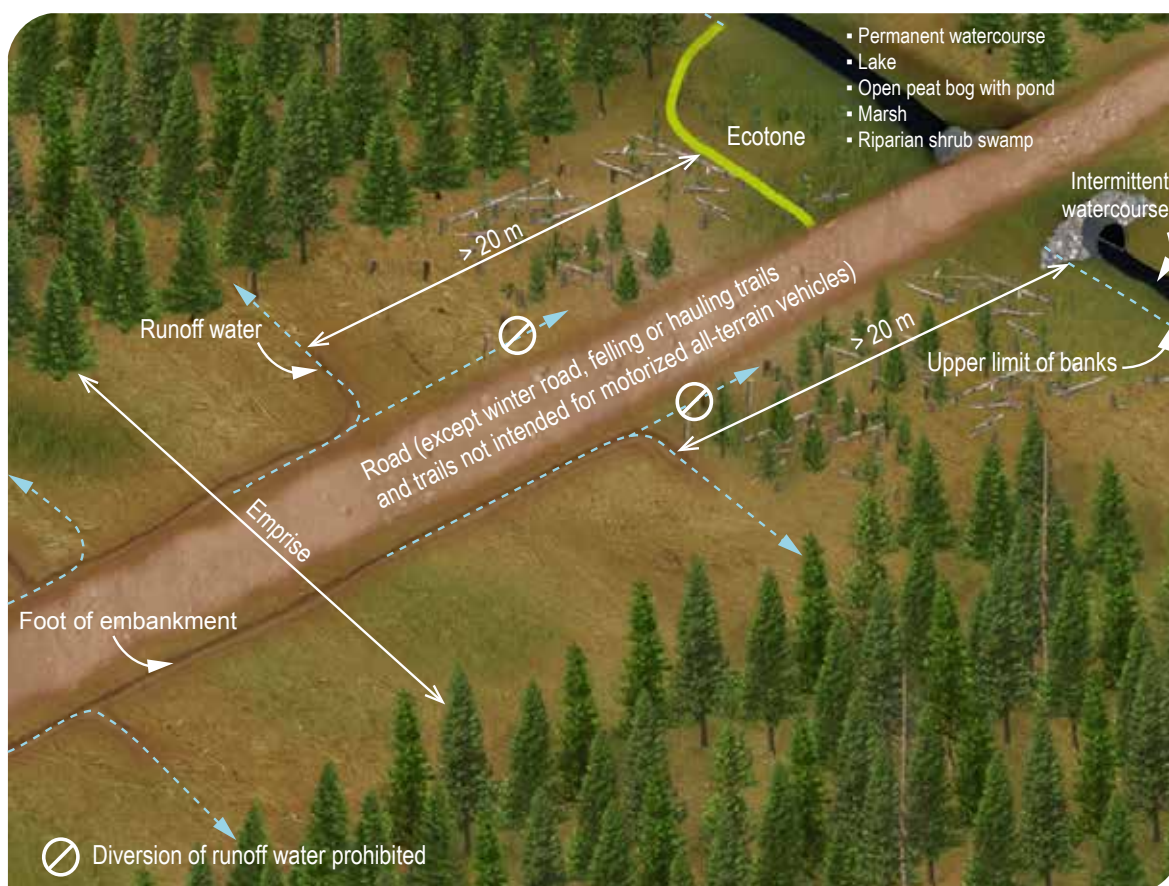


**Figure 74** Installation of a drainage channel to allow water to flow from one side of the road to the other



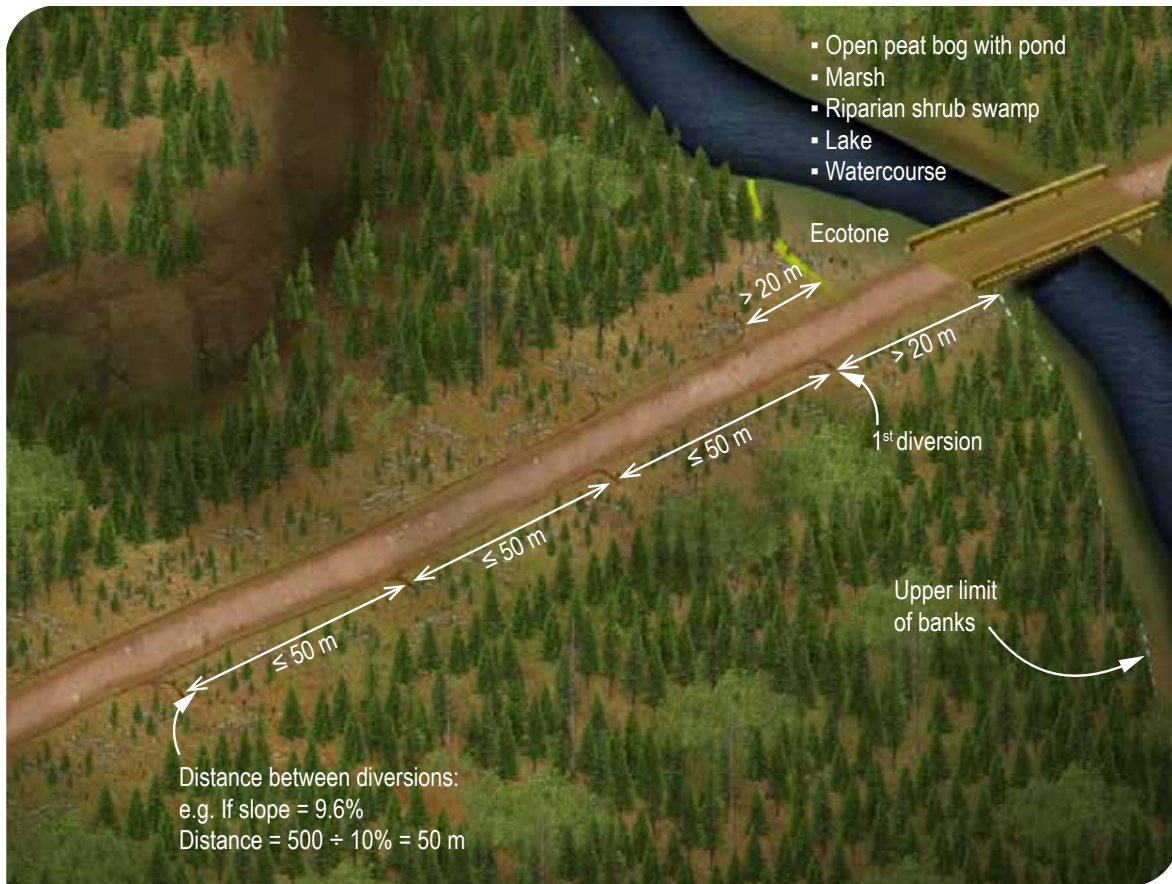


**Figure 75** Evacuation of runoff water from the roadway surface

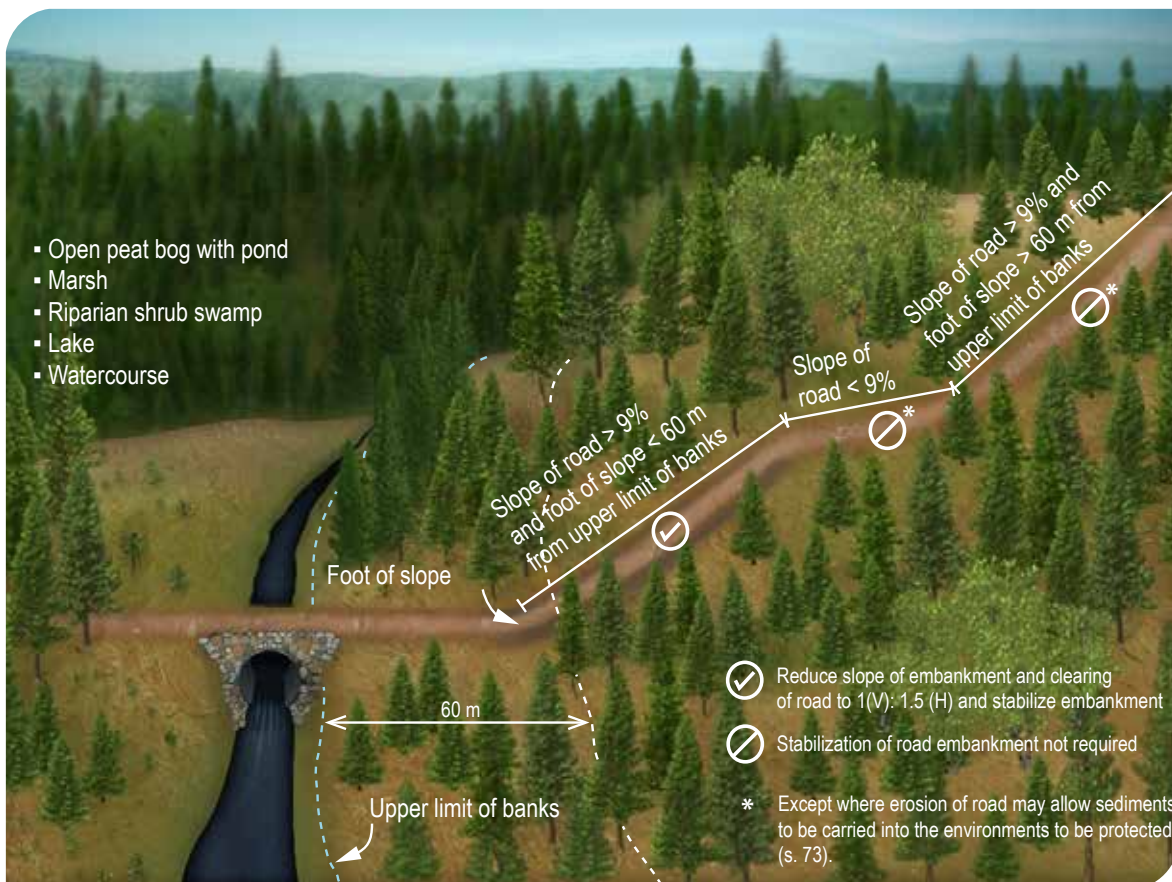


**Figure 76A** Diversion of water flowing at the foot of the embankment of a road



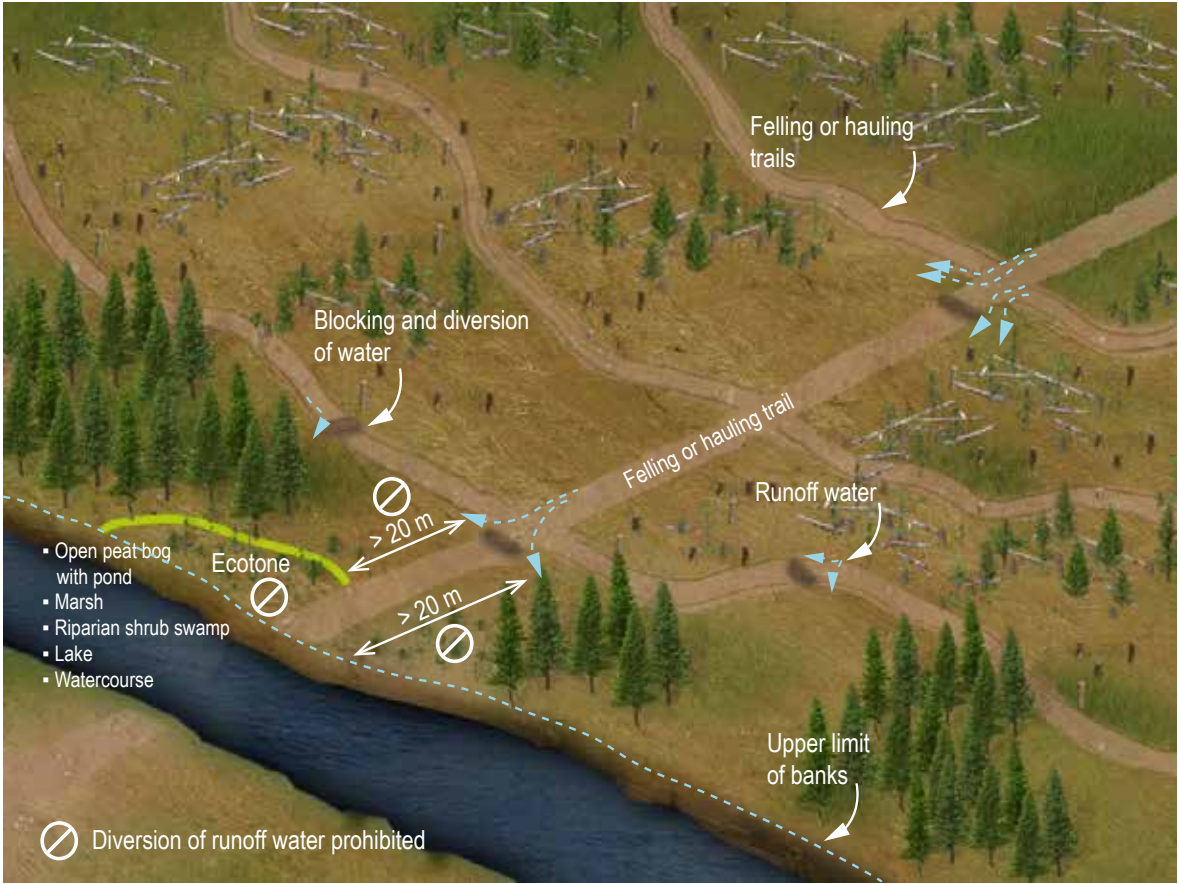


**Figure 76B** Distance between diversions of water flowing at the foot of the embankment of a road

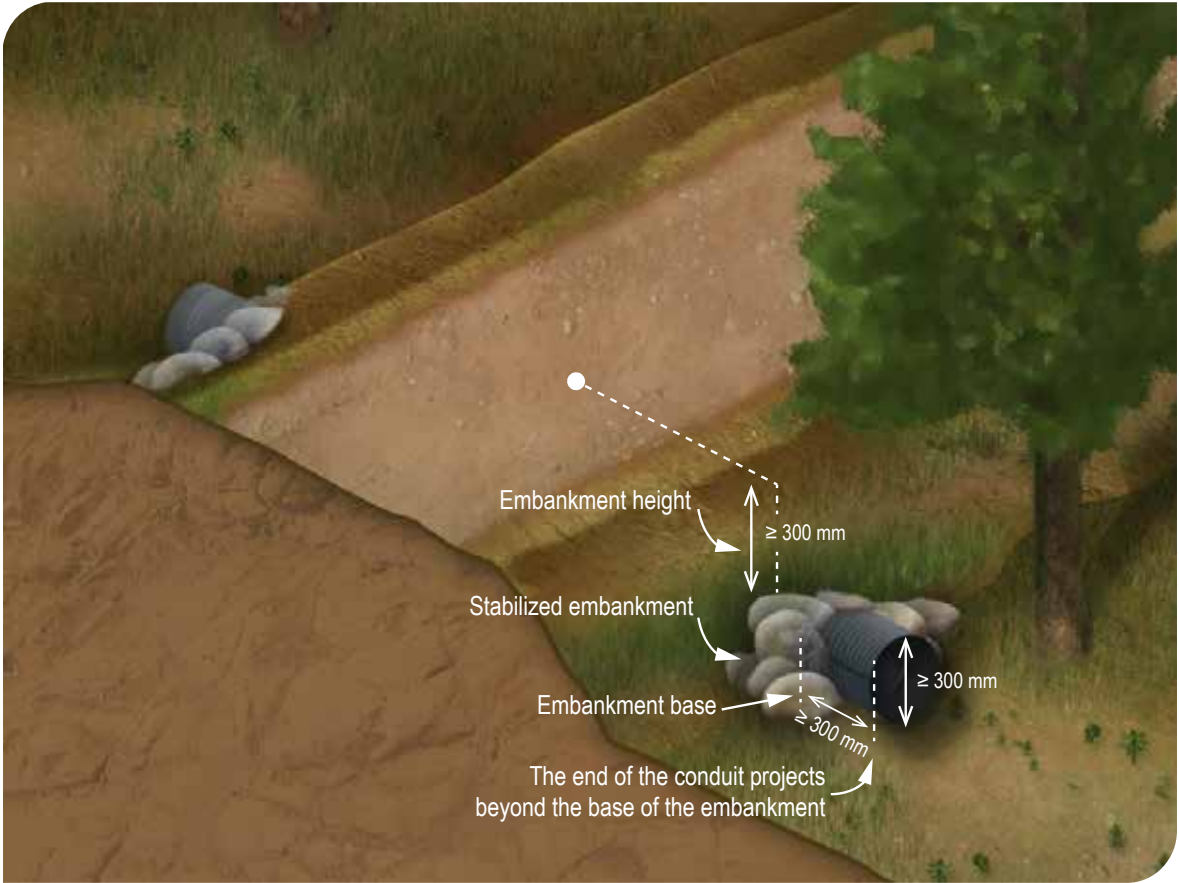


**Figure 76C** Stabilization of the embankment of a road with a slope greater than 9%



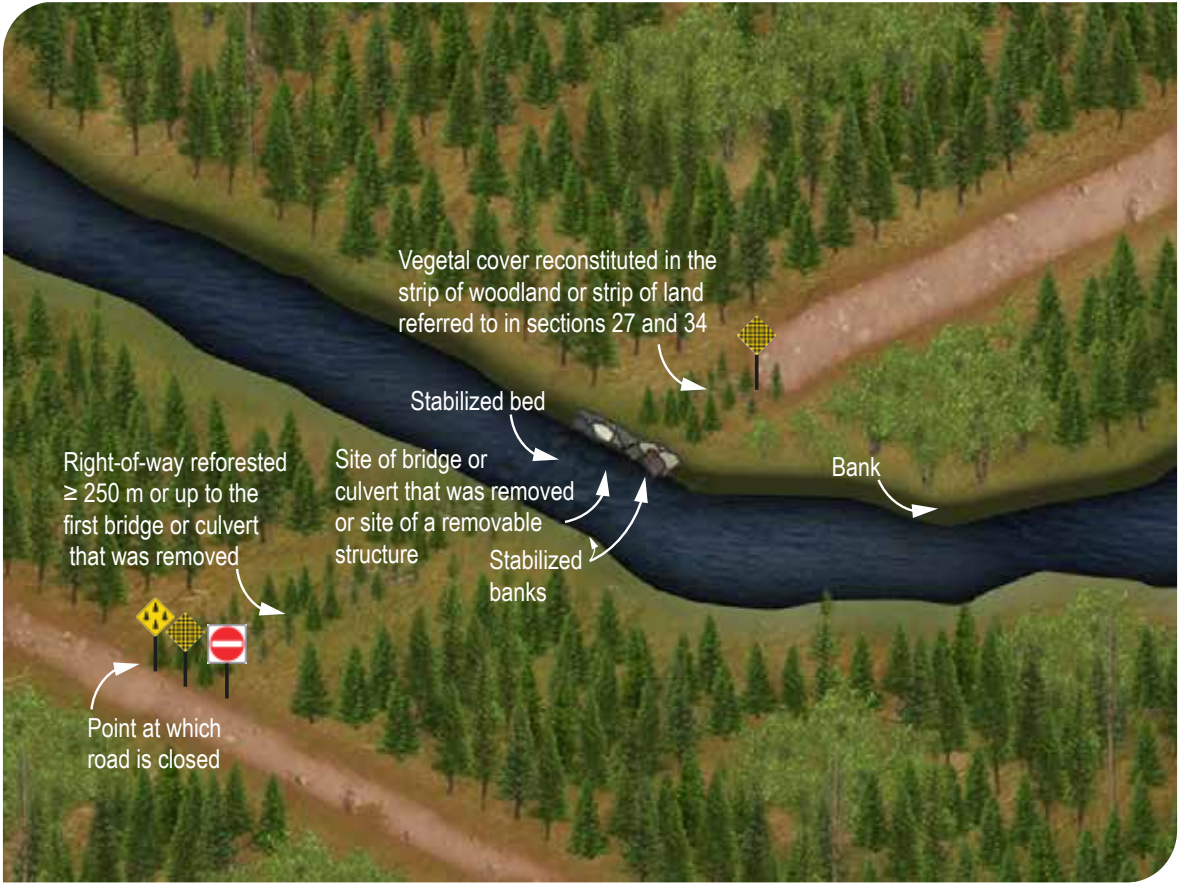


**Figure 77** Blocking and diversion of water flowing in a felling or hauling trail

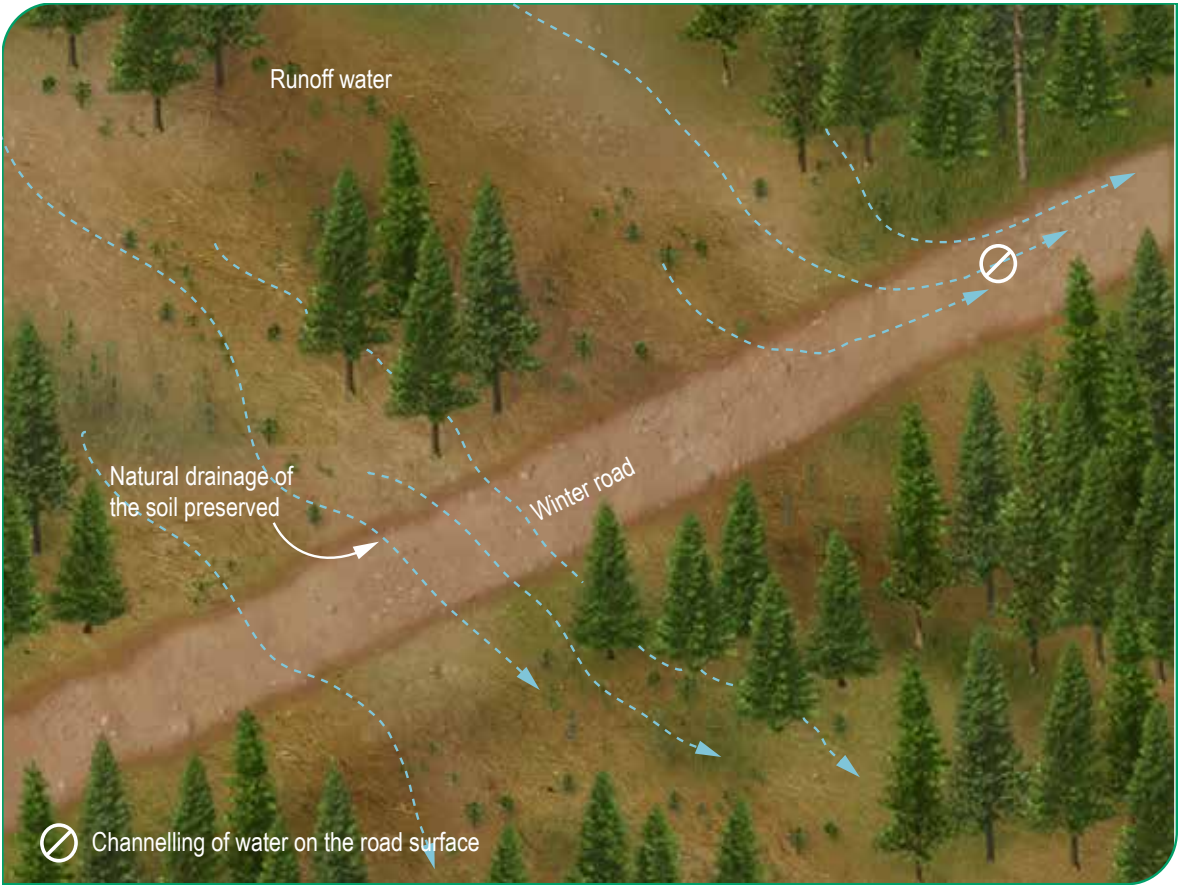


**Figure 79** Characteristics of drainage channel installation



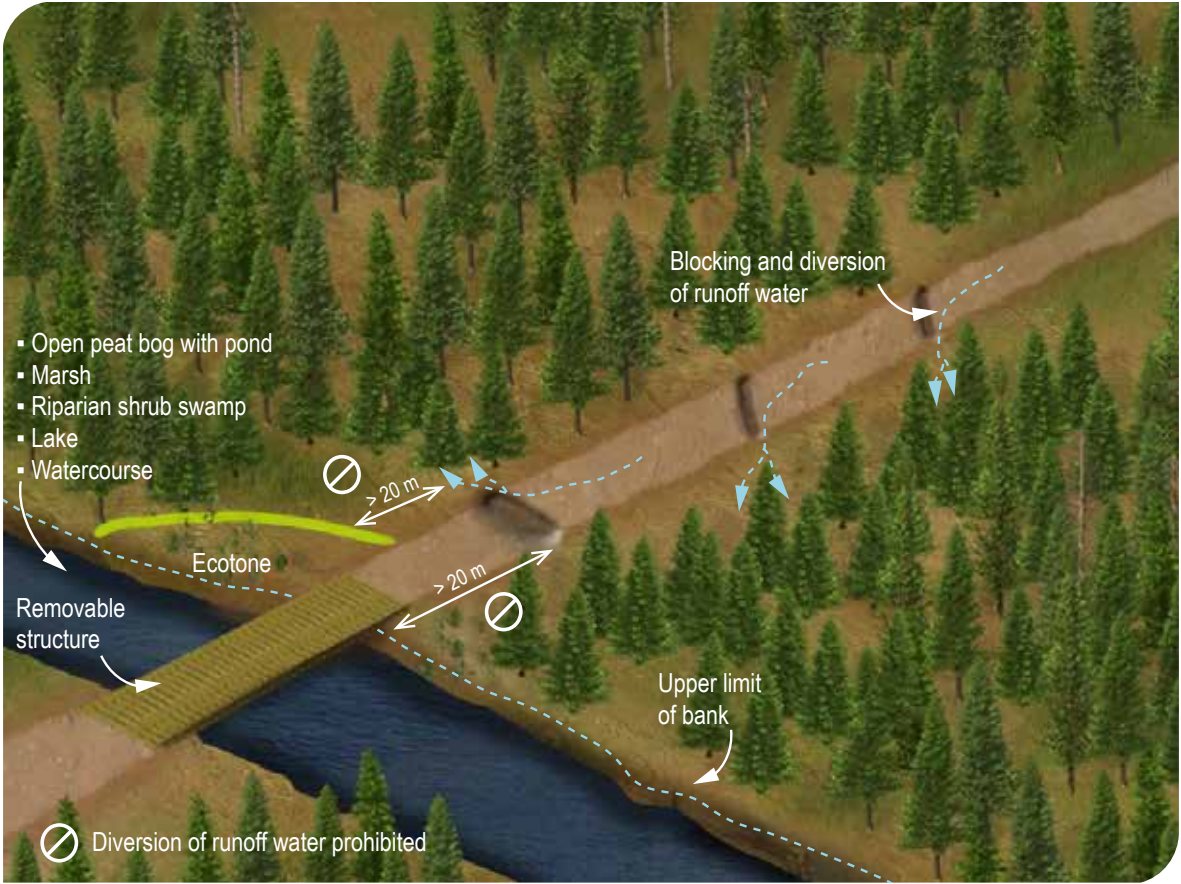


**Figure 81** Work to be carried out for permanent closure of a road

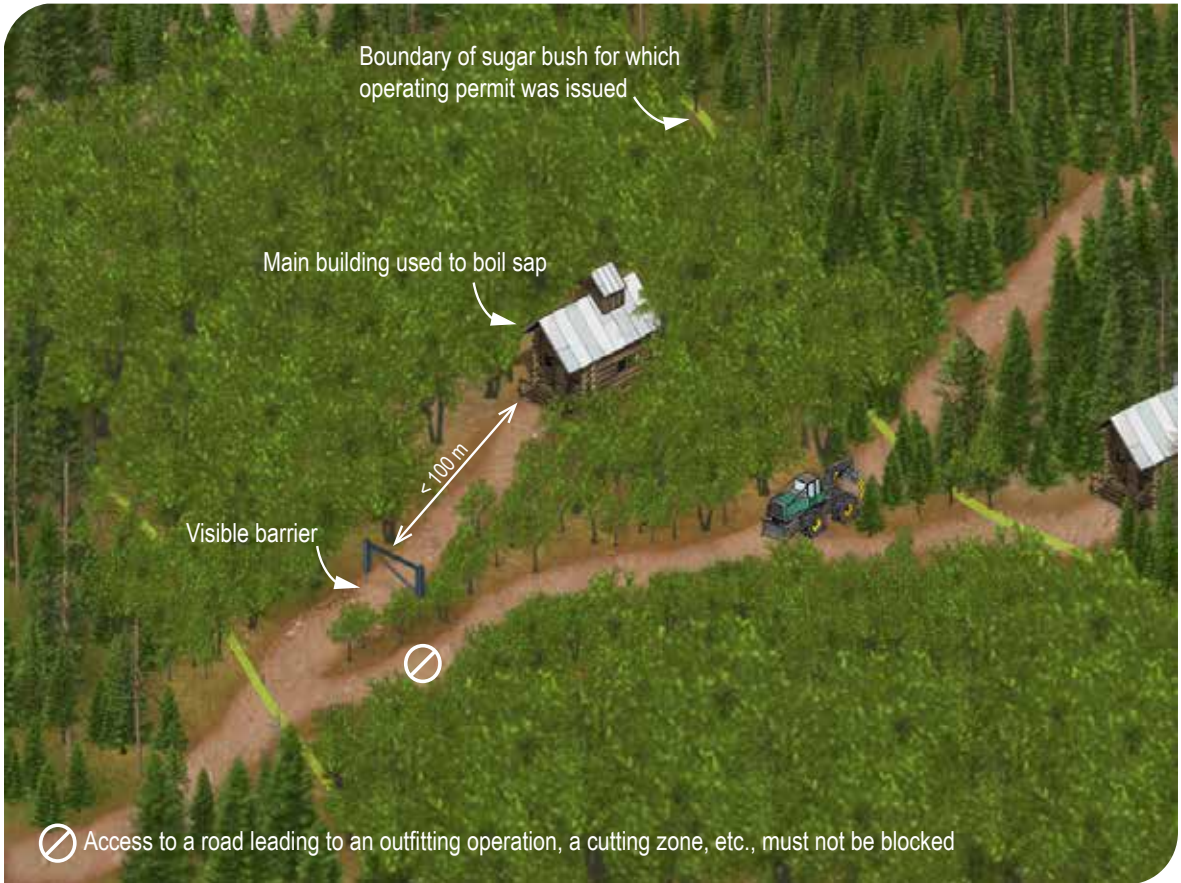


**Figure 82** Preserving the natural drainage of the soil on a winter road



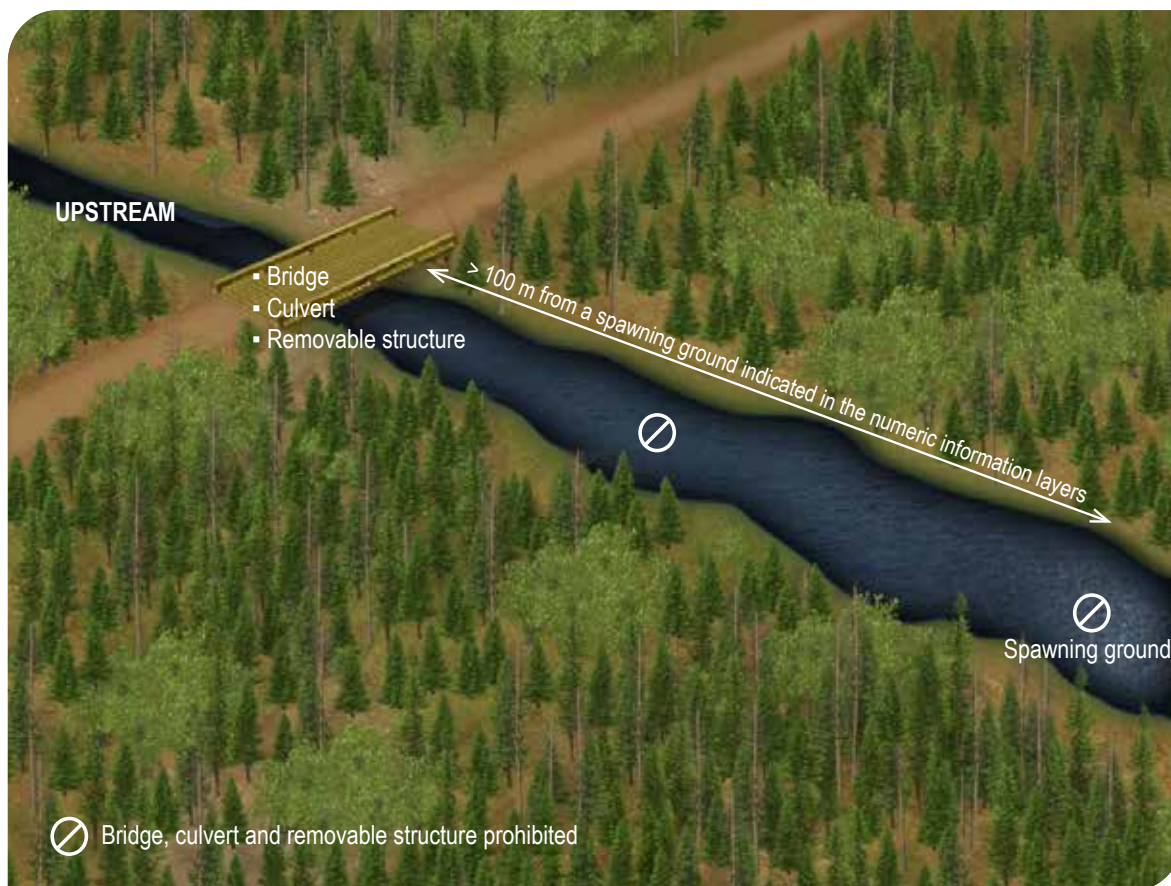


**Figure 83** Blocking and diversion of runoff water flowing on the surface of a winter road

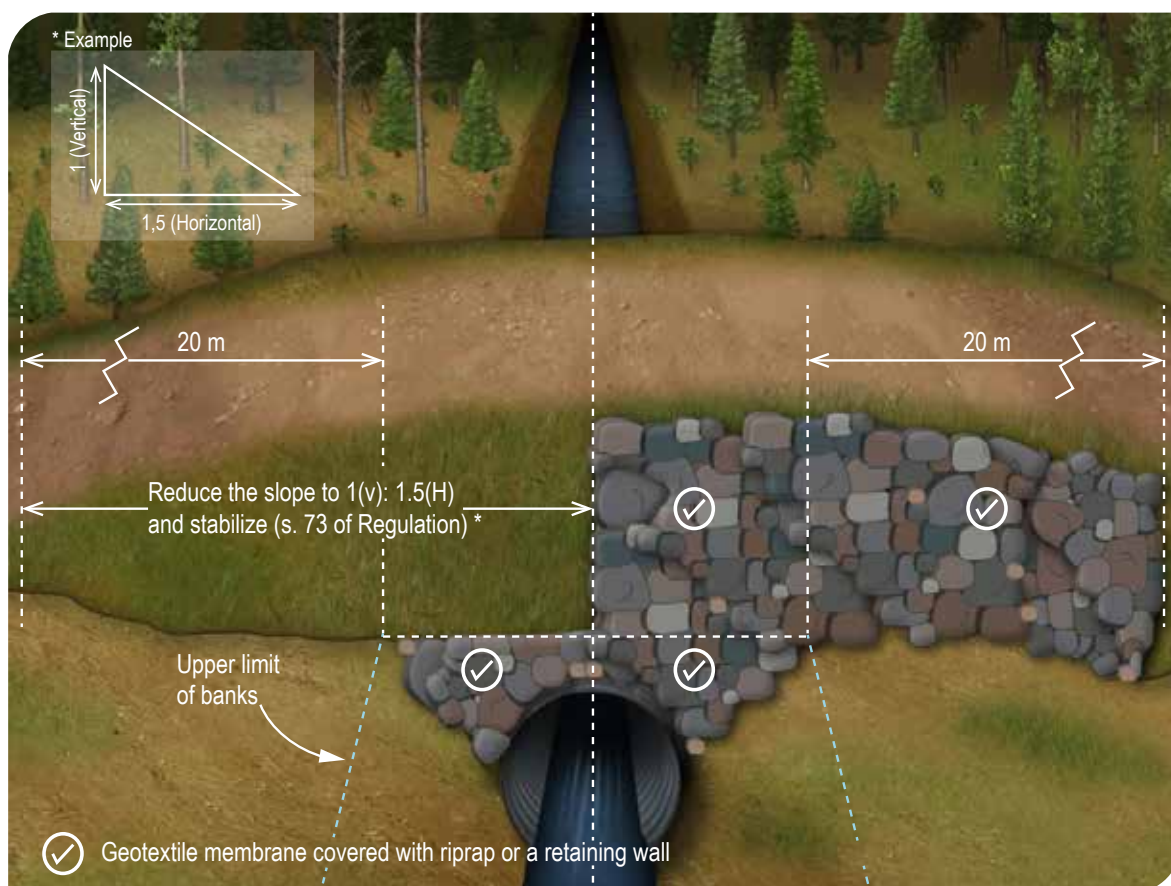


**Figure 85** Control of motor vehicle access to the main building of a sugar bush



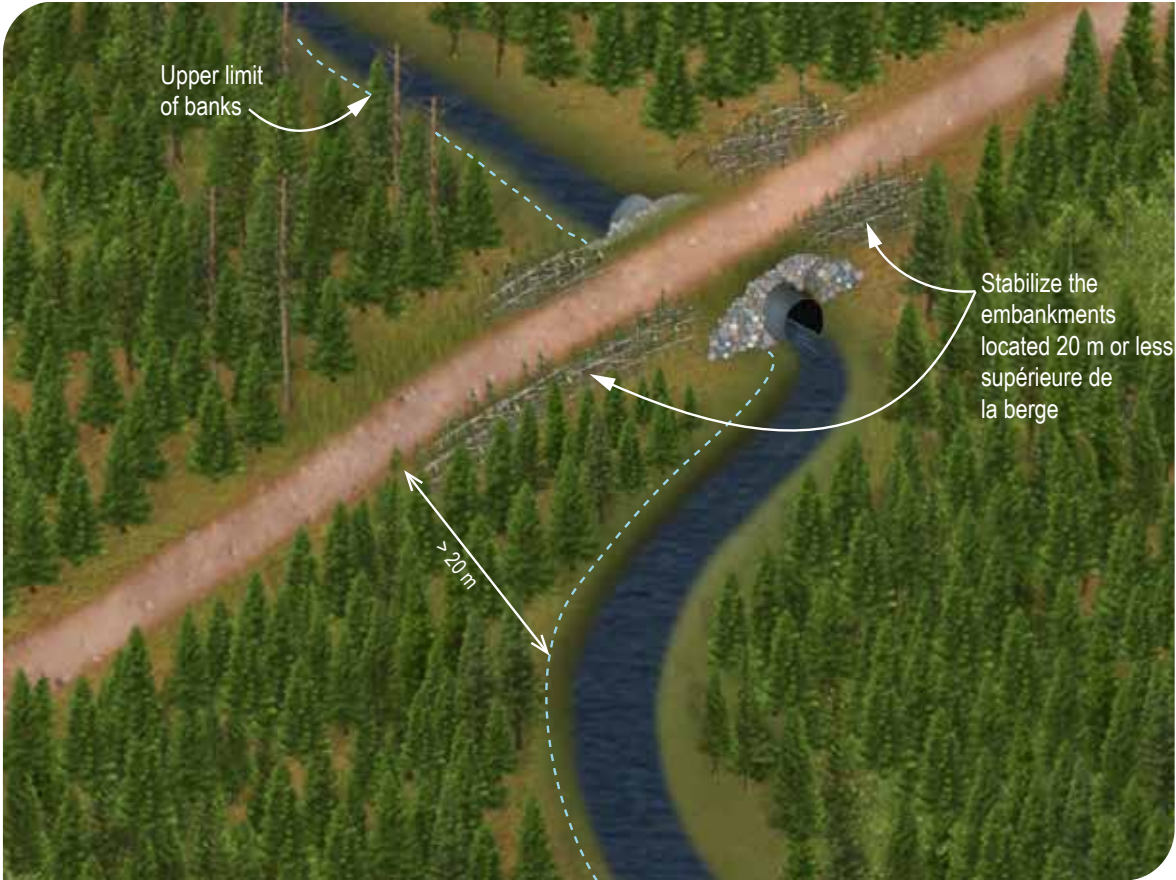


**Figure 89** Distance between a spawning ground and a bridge, culvert or removable structure

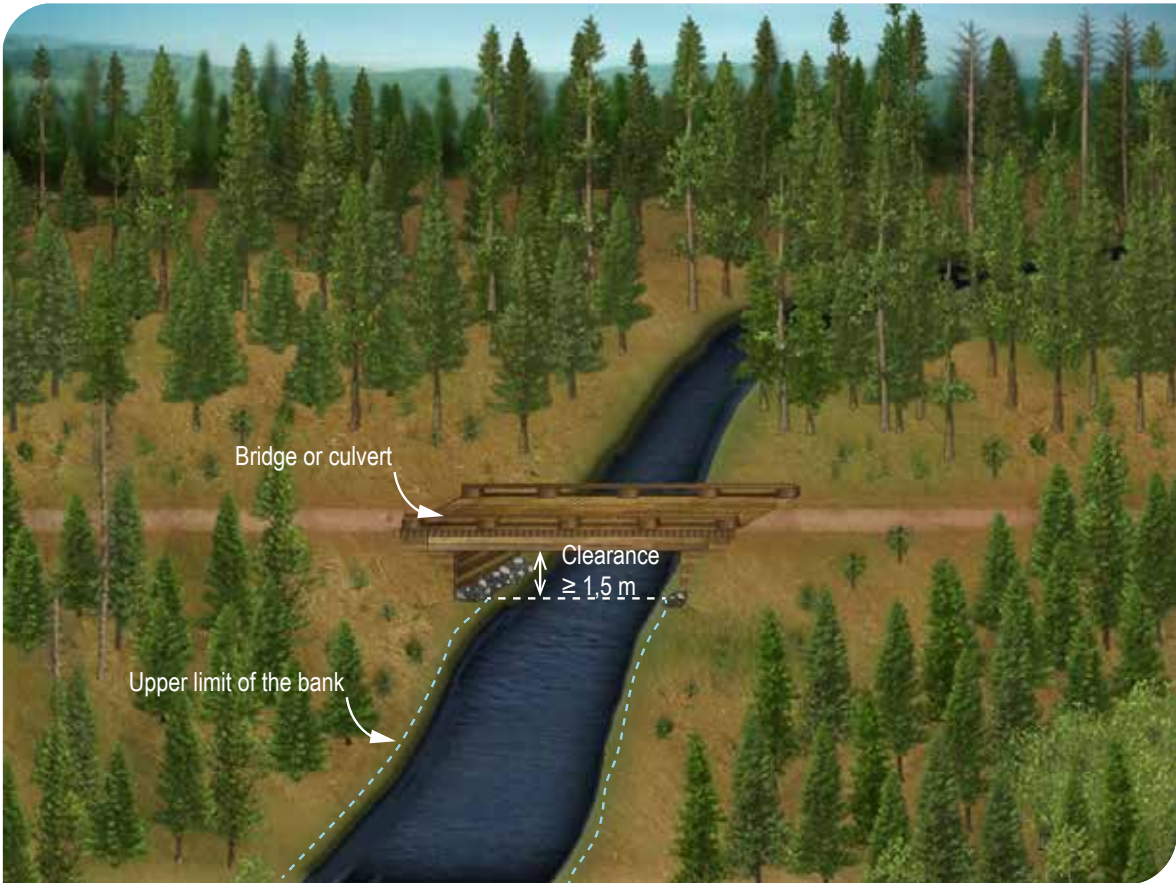


**Figure 95A** Stabilization of the embankment of a road that crosses a watercourse





**Figure 95B** Stabilization of embankments located 20 m or less from a watercourse



**Figure 98** Clearance required for boats

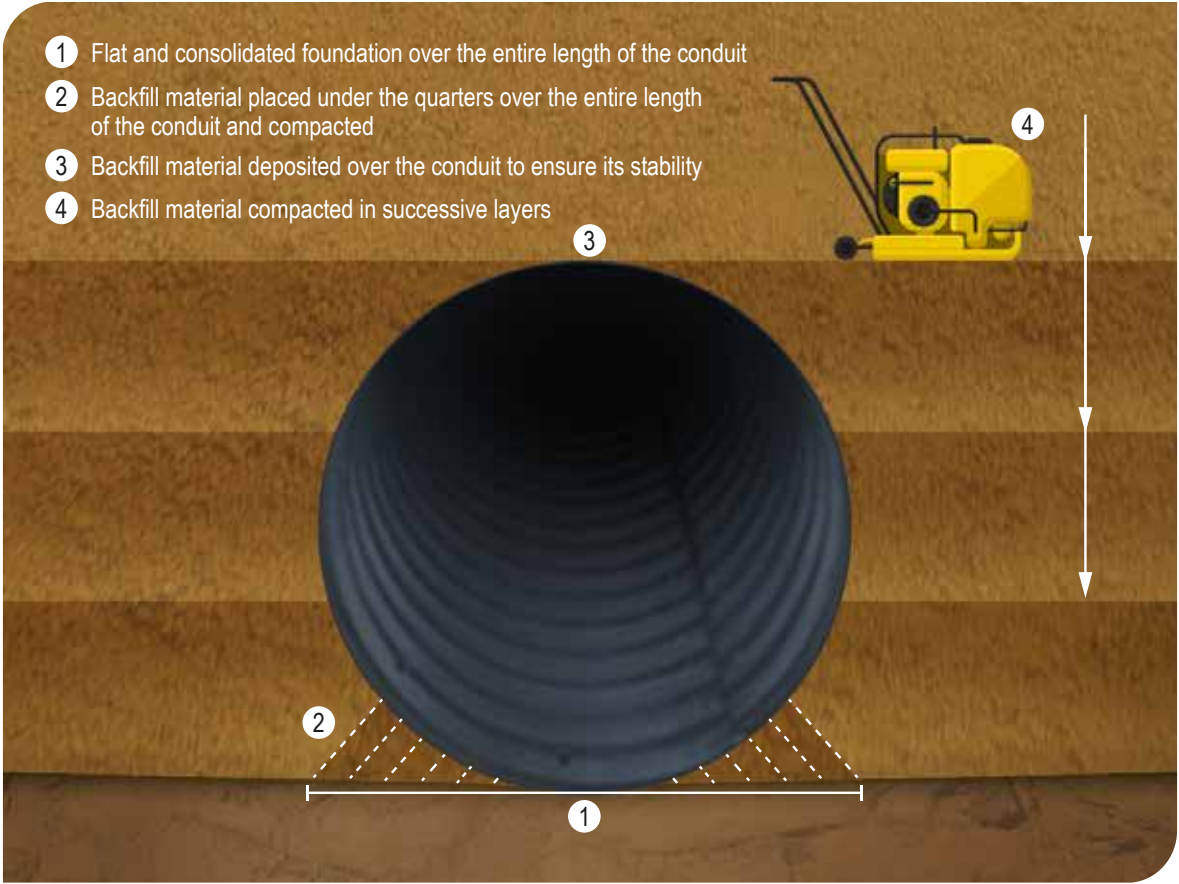
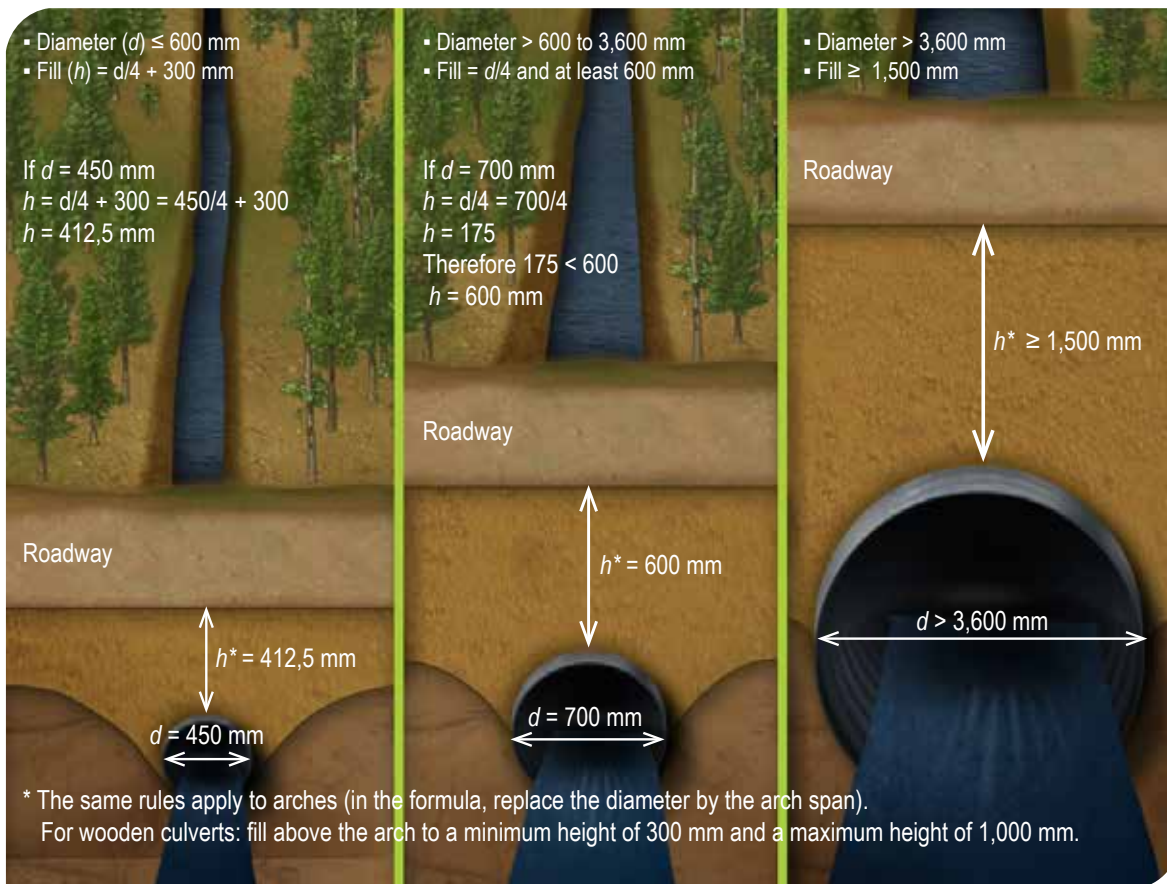


Figure 99 Backfilling a duct



Figure 100A End of a conduit or arch extending from the base of the embankment





**Figure 100B** Minimum thickness of fill above a conduit or arch, based on its diameter or span

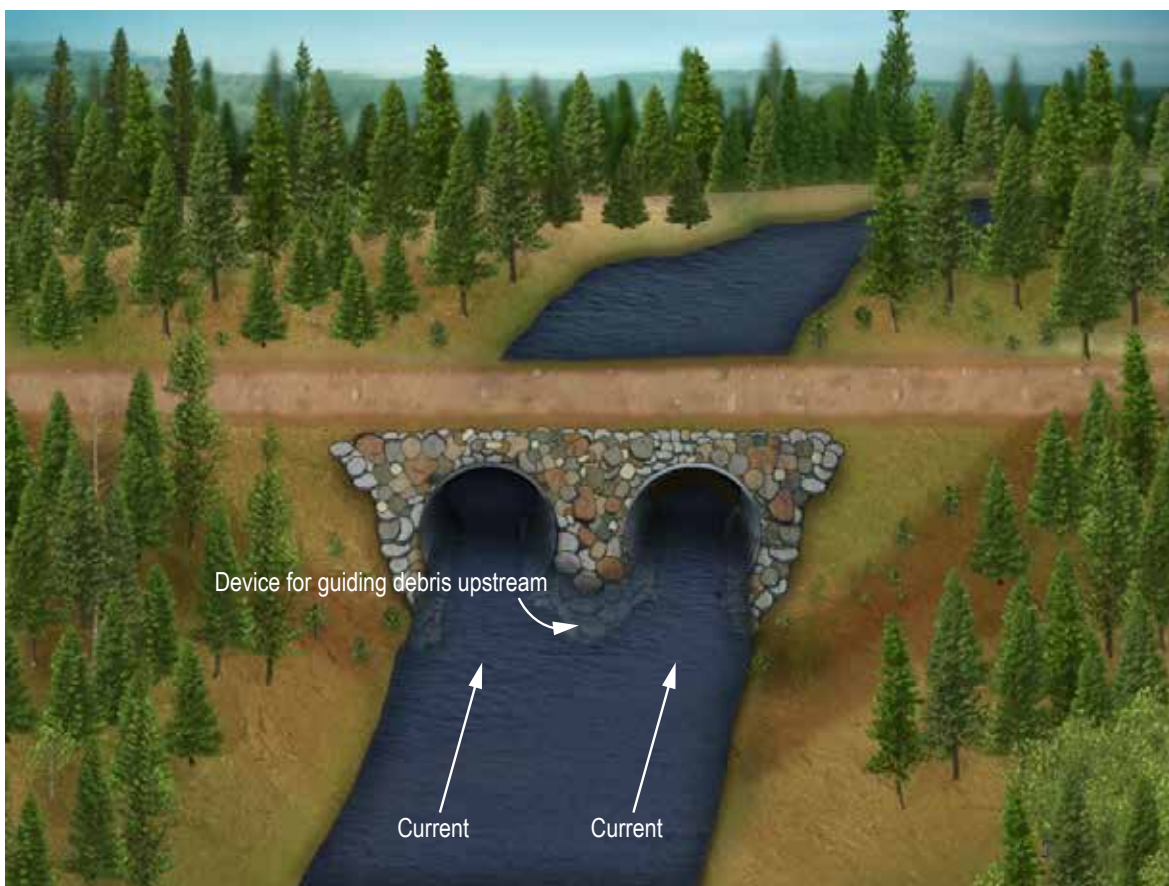


**Figure 102A** Culvert with parallel conduits of different diameters



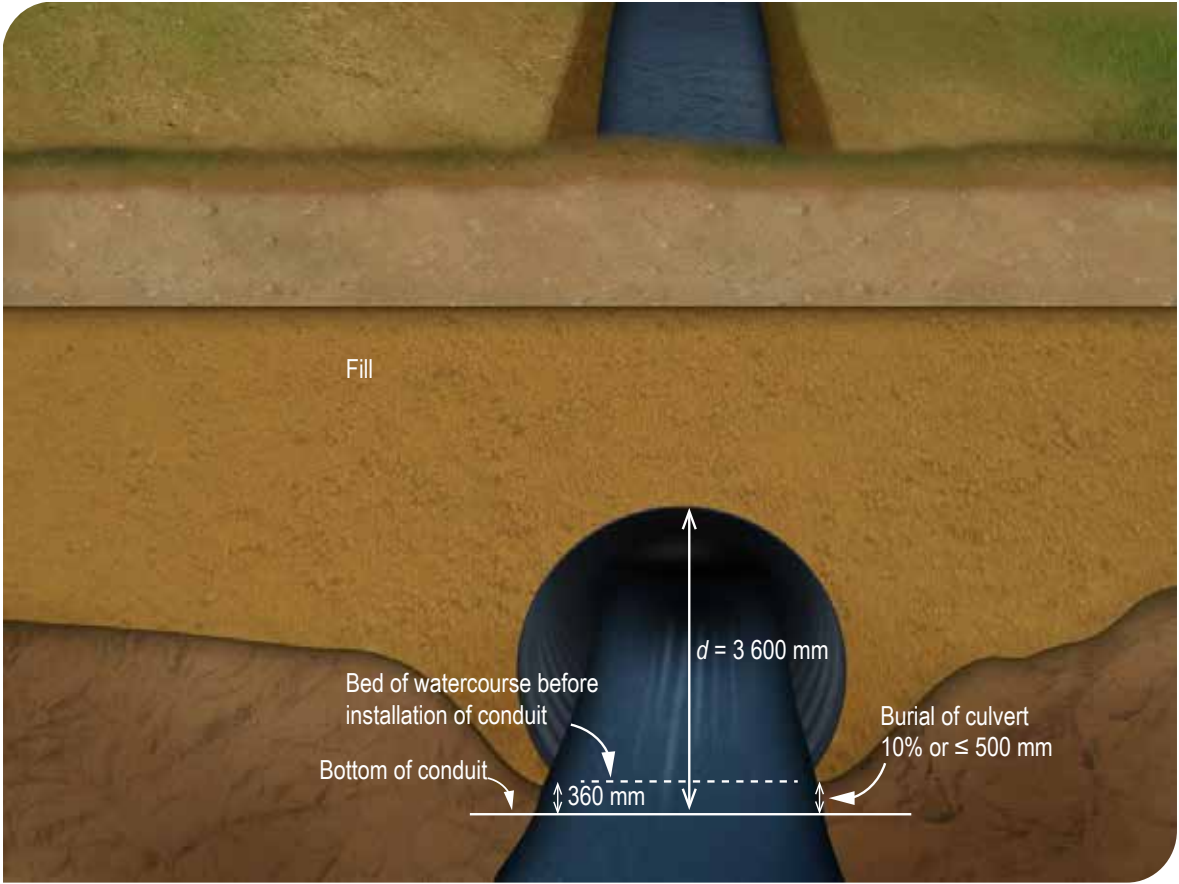


**Figure 102B** Distance between the conduits of a culvert with parallel conduits

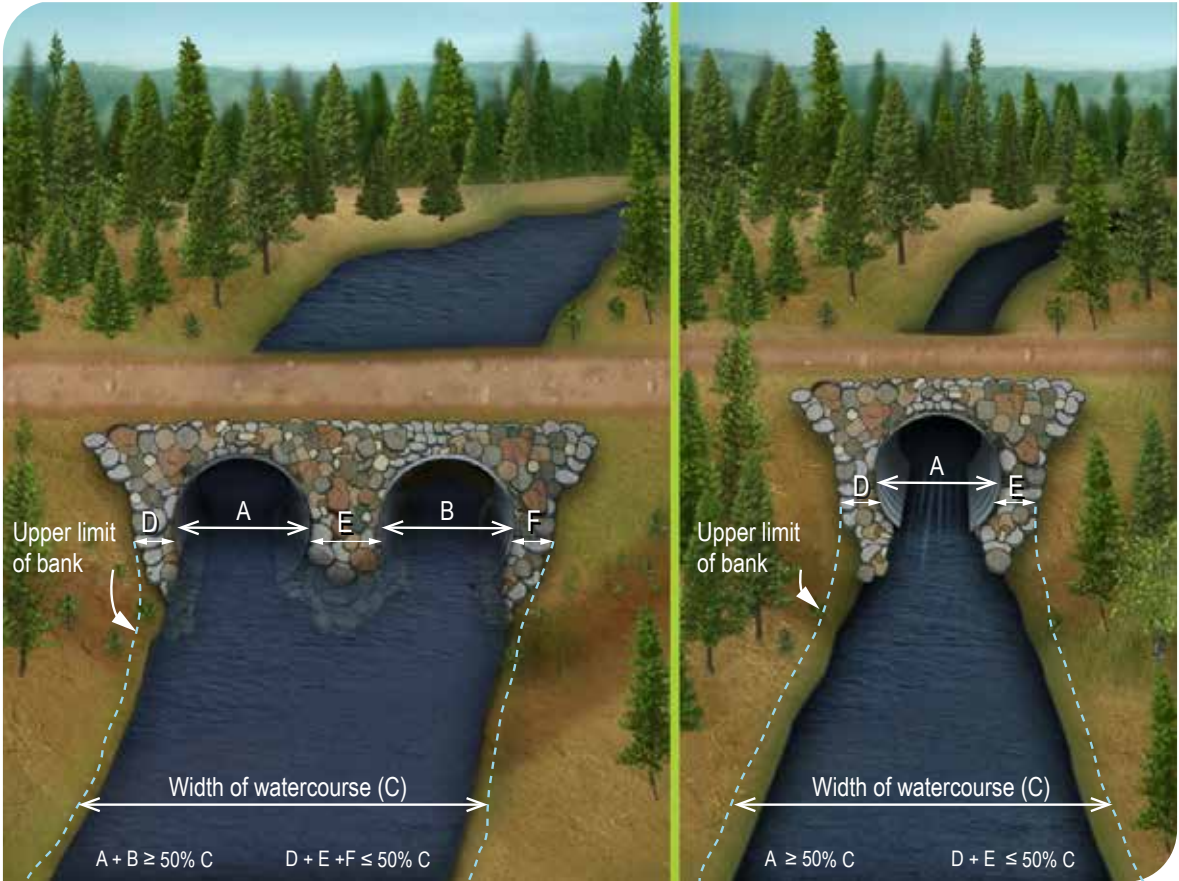


**Figure 102C** Culvert with parallel conduits and an upstream debris guide

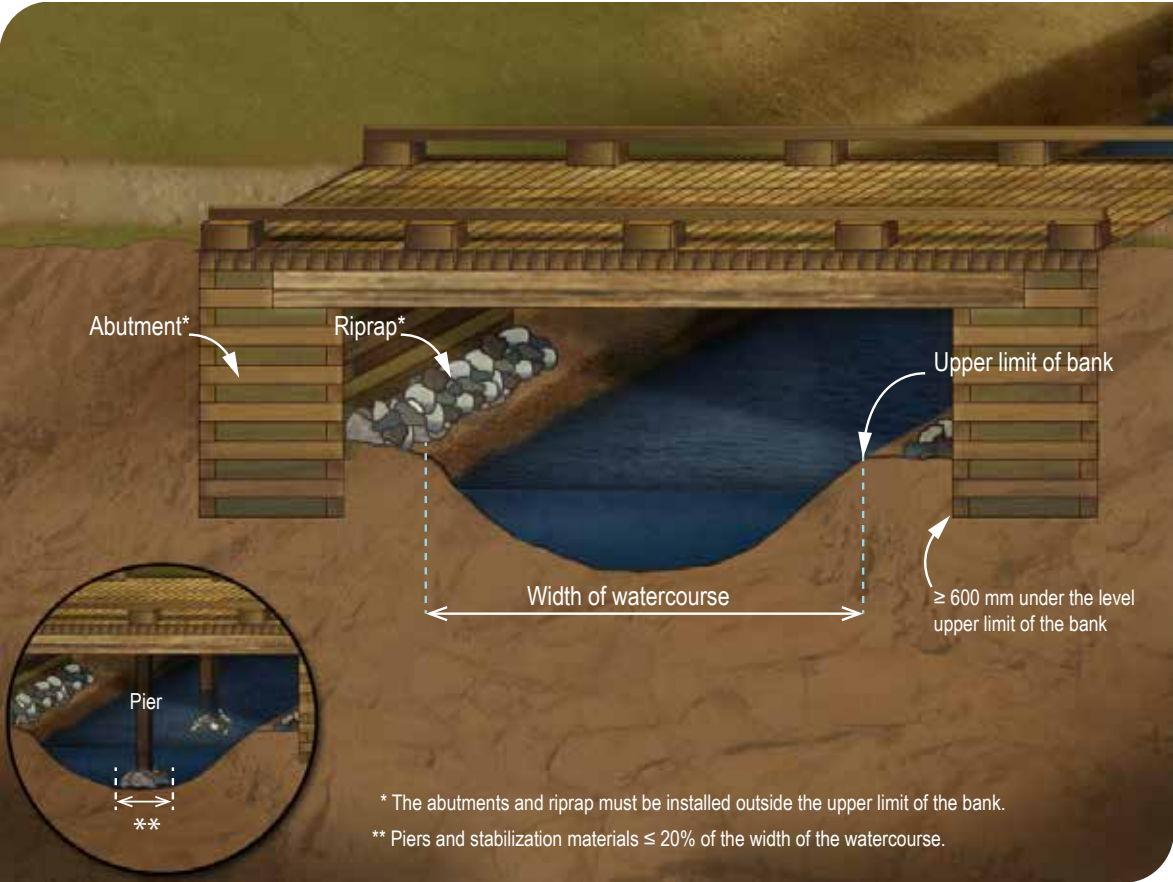




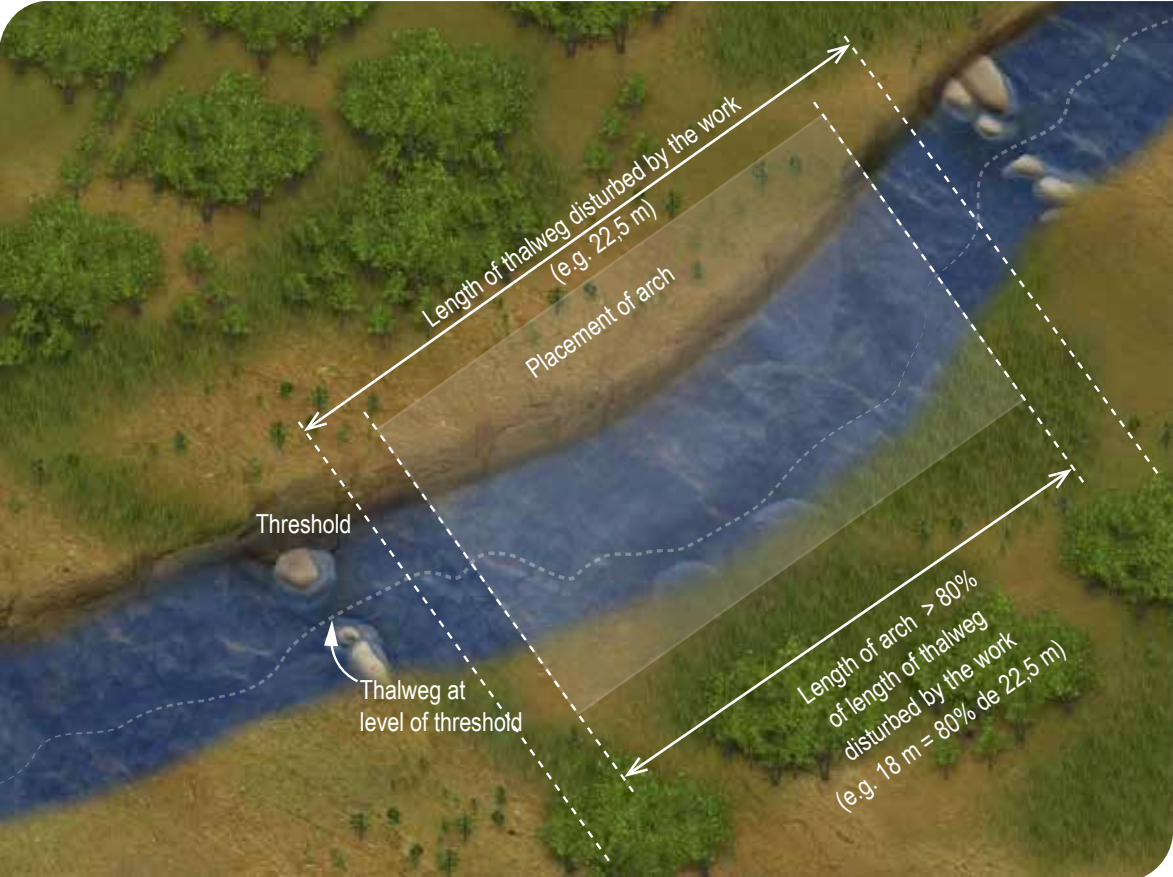
**Figure 104A** Burial of a culvert conduit in the bed of a watercourse where it is not necessary to ensure the free flow of fish



**Figure 104B** Maximum reduction of the width of a watercourse where it is not necessary to ensure the free flow of fish

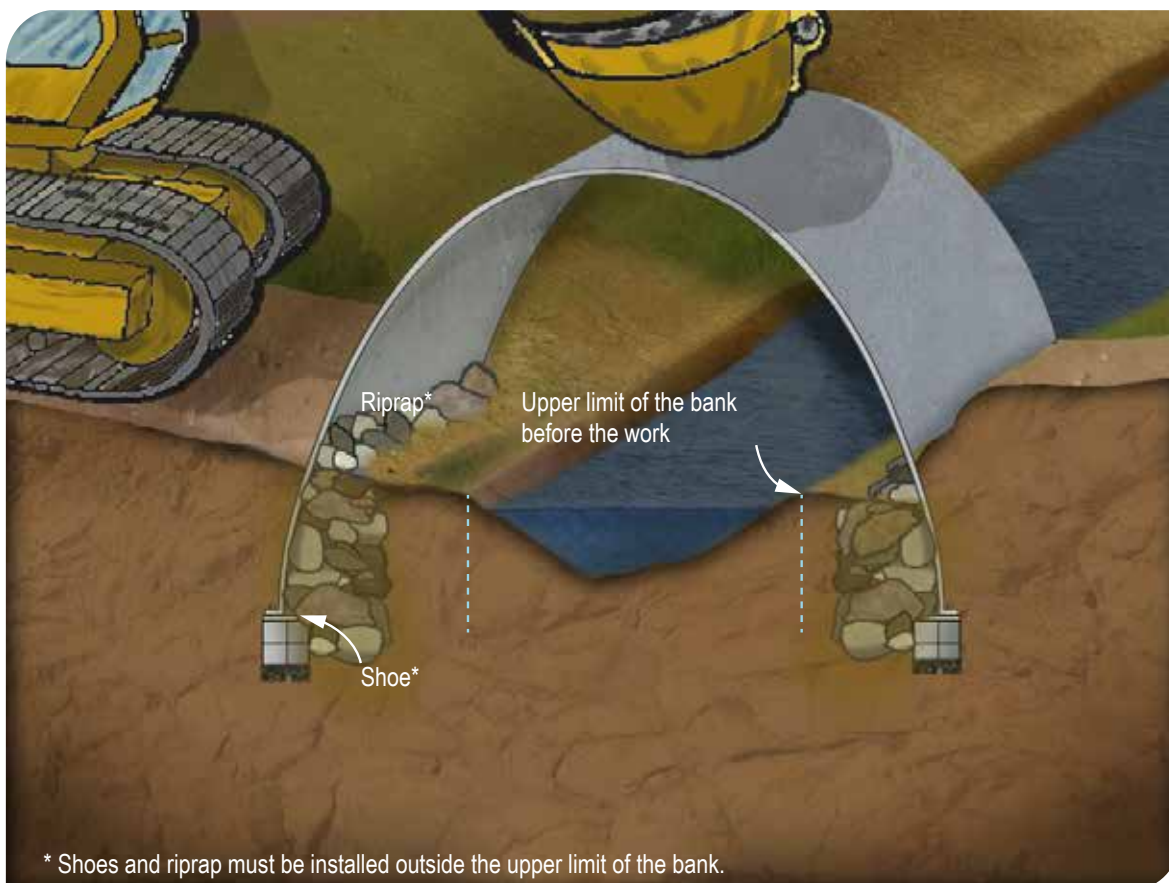


**Figure 108A** Characteristics of a bridge installation in relation to the upper limit of the banks

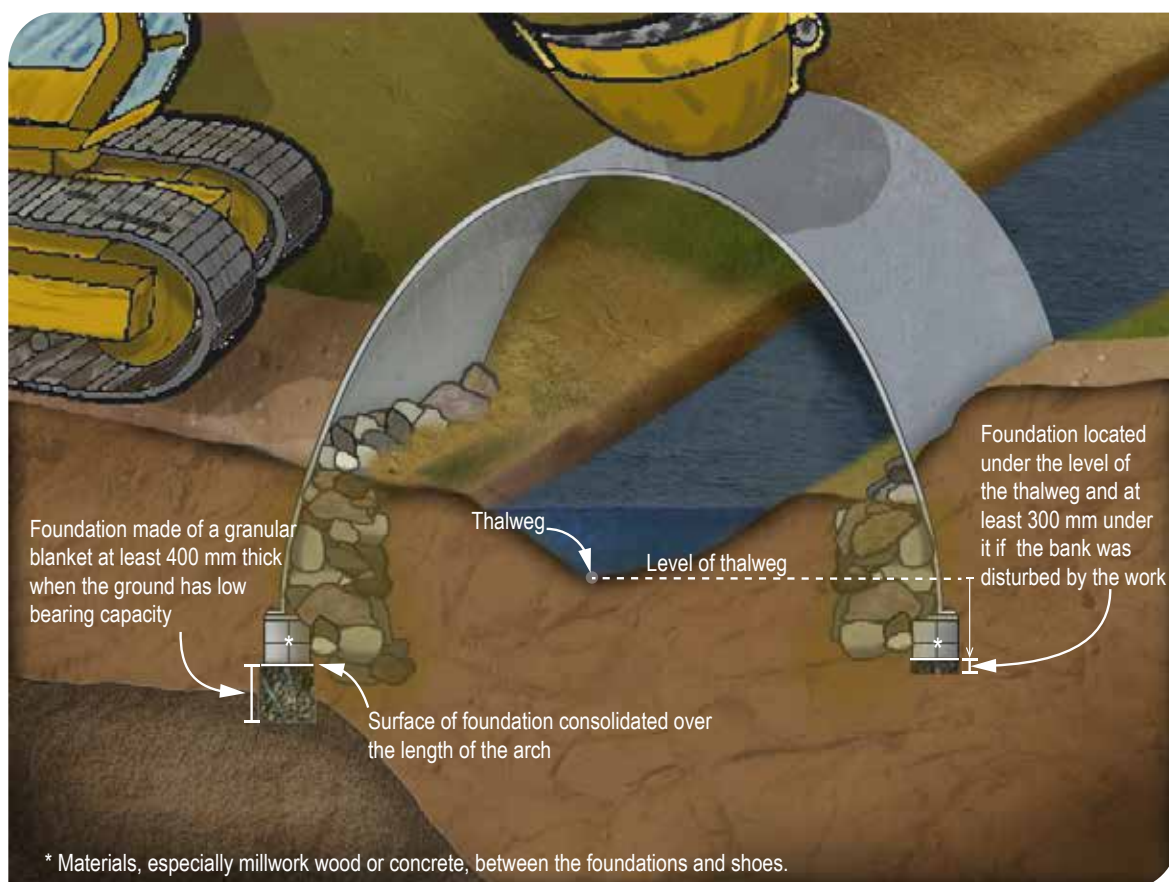


**Figure 108B** Minimum length of the arch compared to the length of the thalweg disturbed by the work

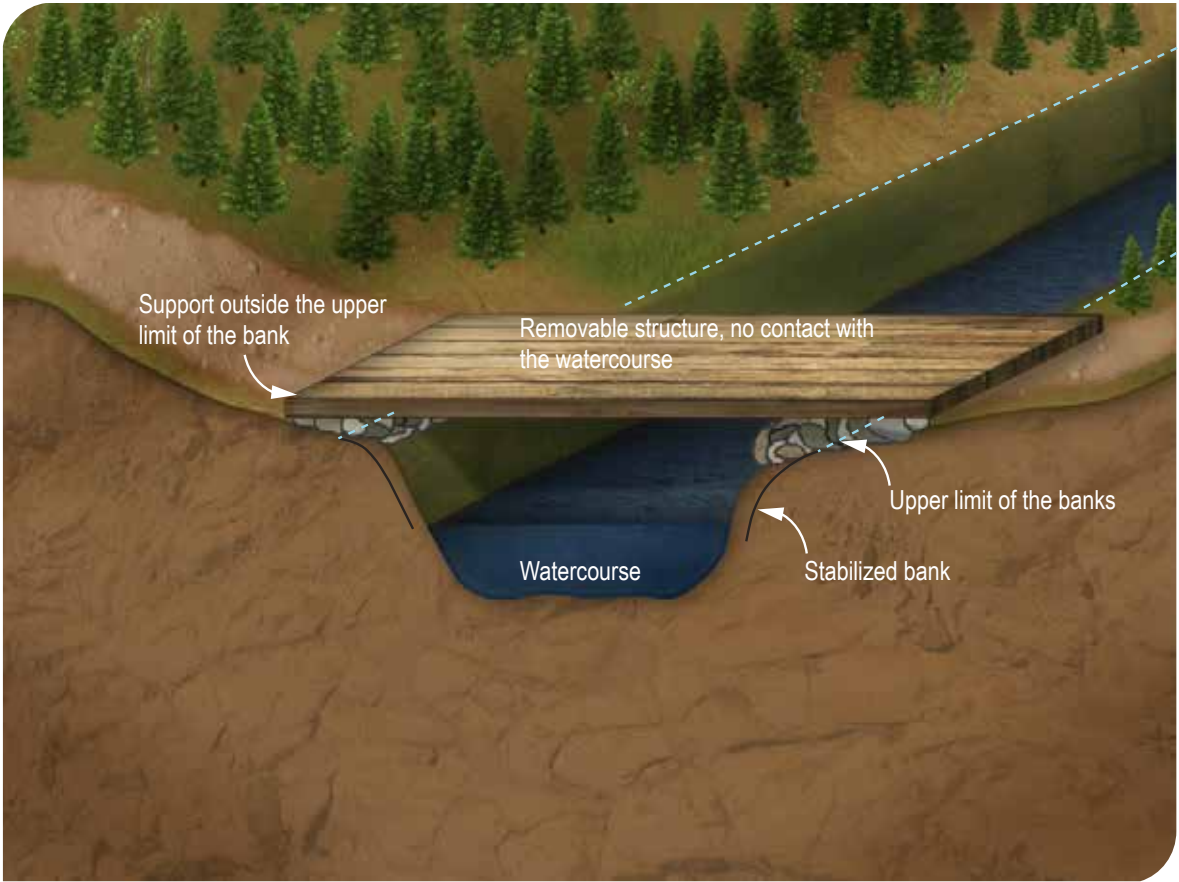




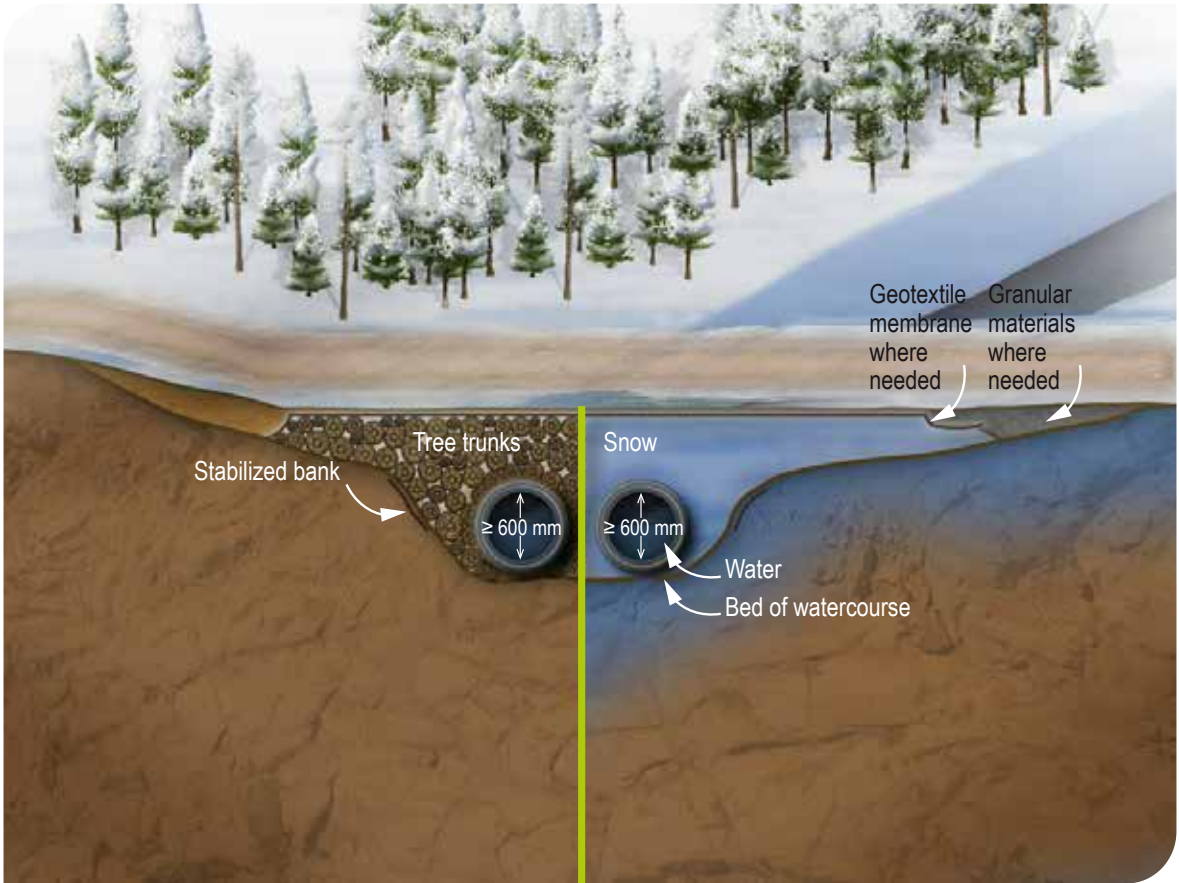
**Figure 108C** Characteristics of an arch installation in relation to the upper limit of the banks



**Figure 108D** Characteristics of the foundations of an arch

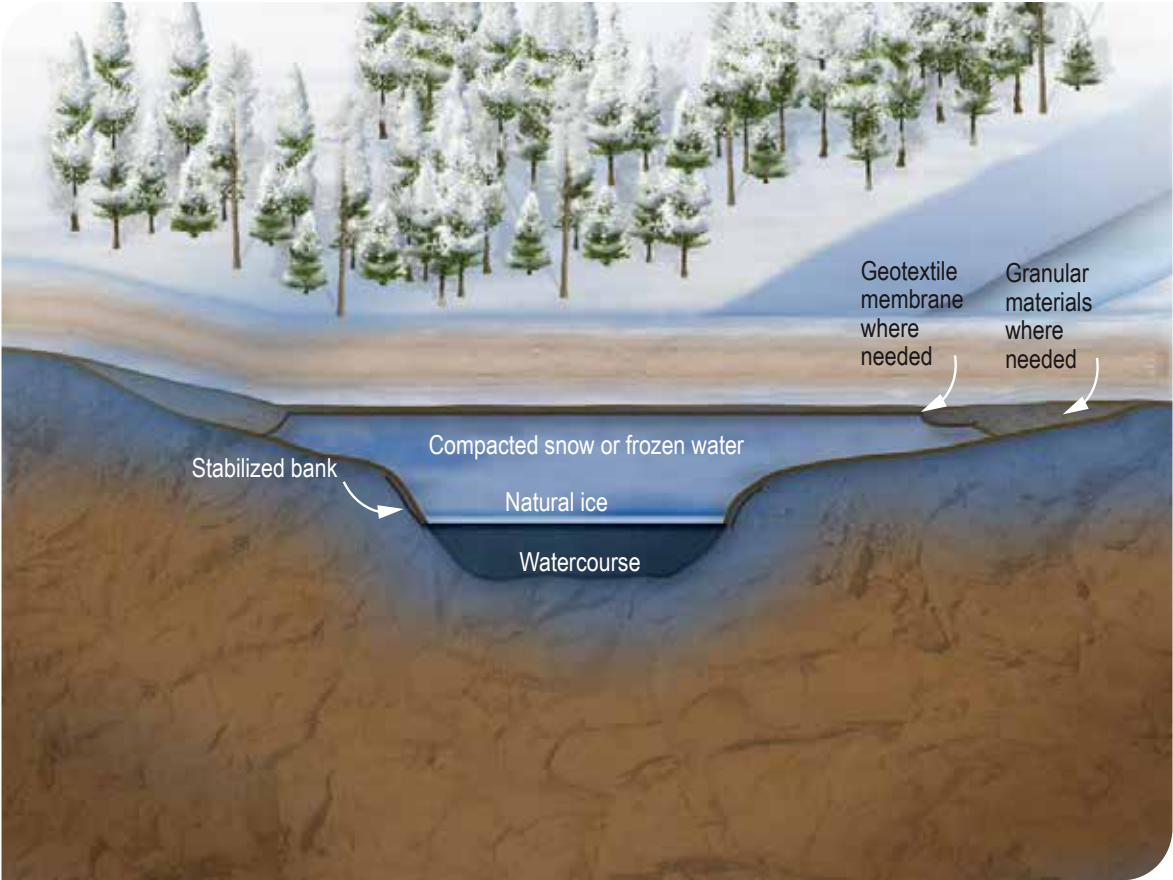


**Figure 111A** Supports for a removable structure outside the upper limit of the banks

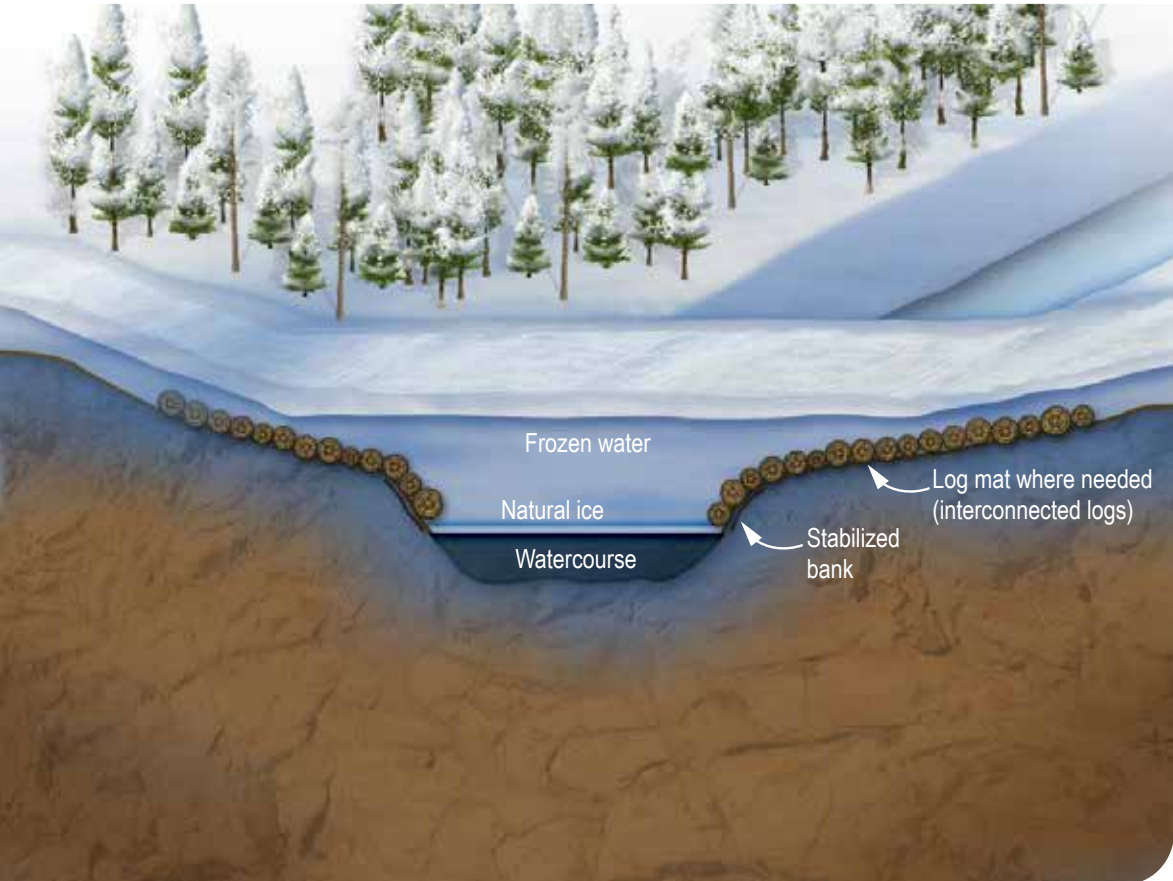


**Figure 111B** Removable structure composed of one or more conduits of at least 600 mm

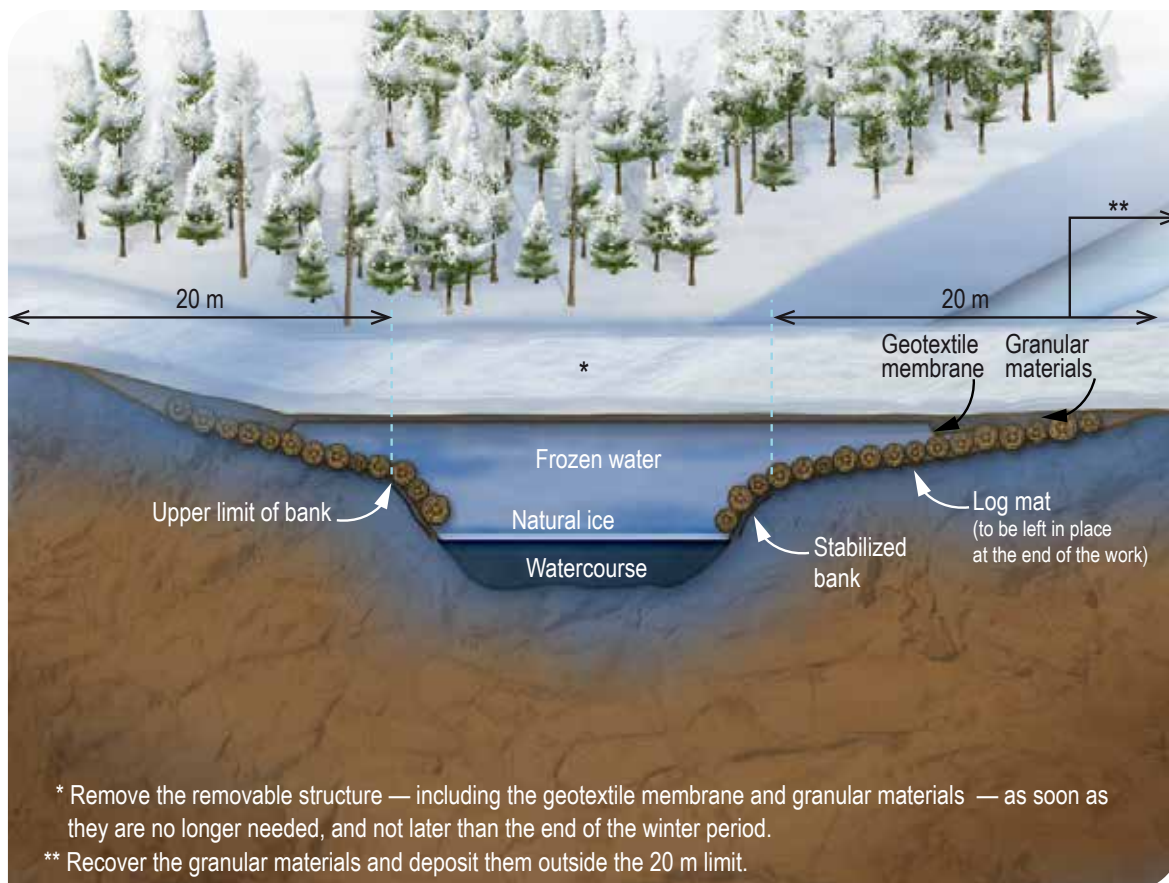




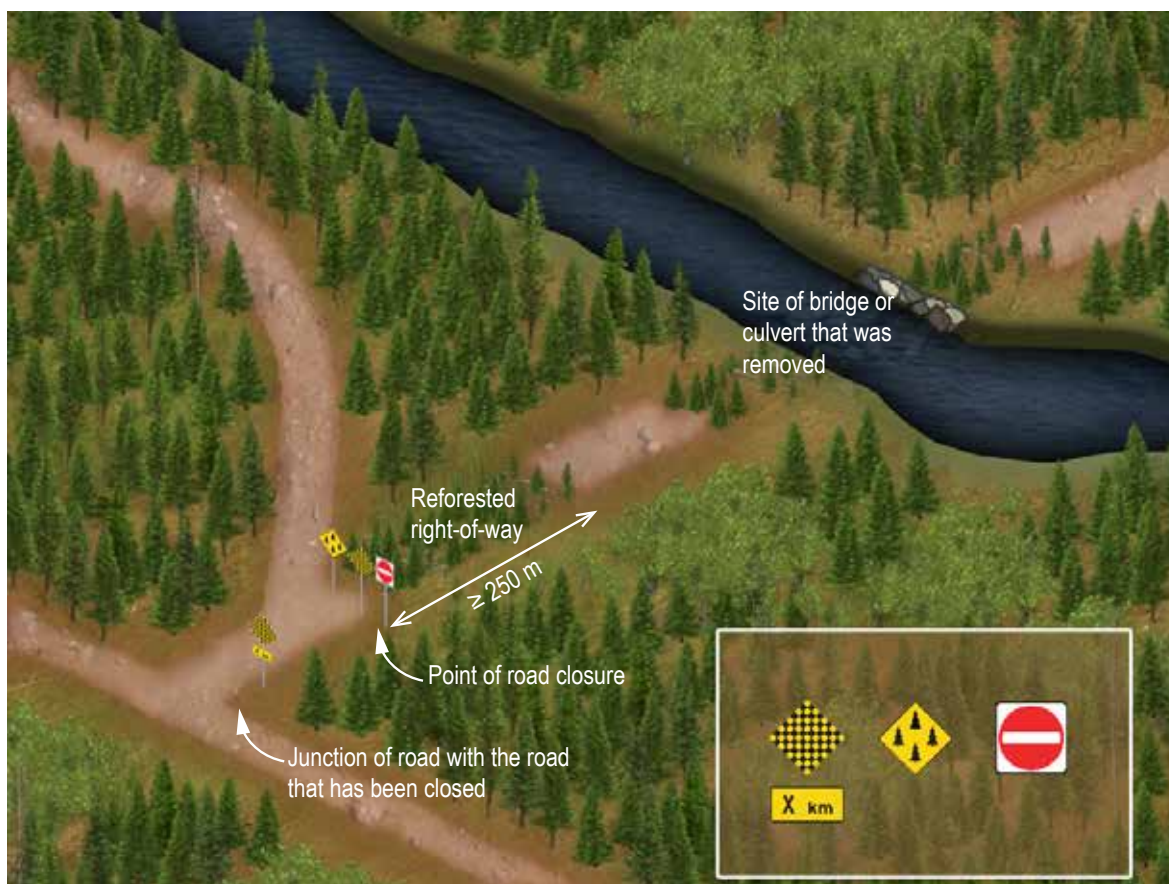
**Figure 111C** Removable structure composed of compacted snow or frozen water



**Figure 111D** Ice bridge

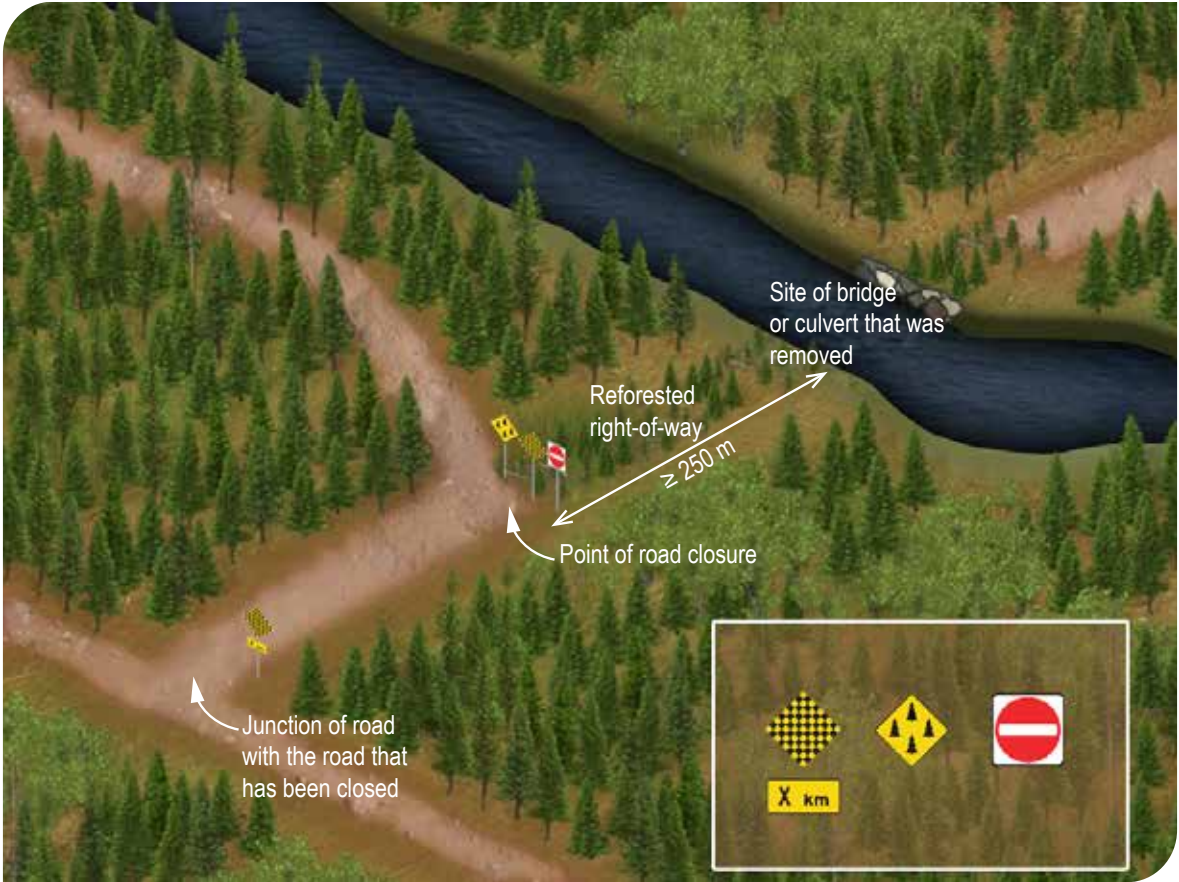


**Figure 112** Timeframe for removing any of the removable structures described in the second paragraph of section 111



**Figure 115A** Road sign indicating permanent closure of a road



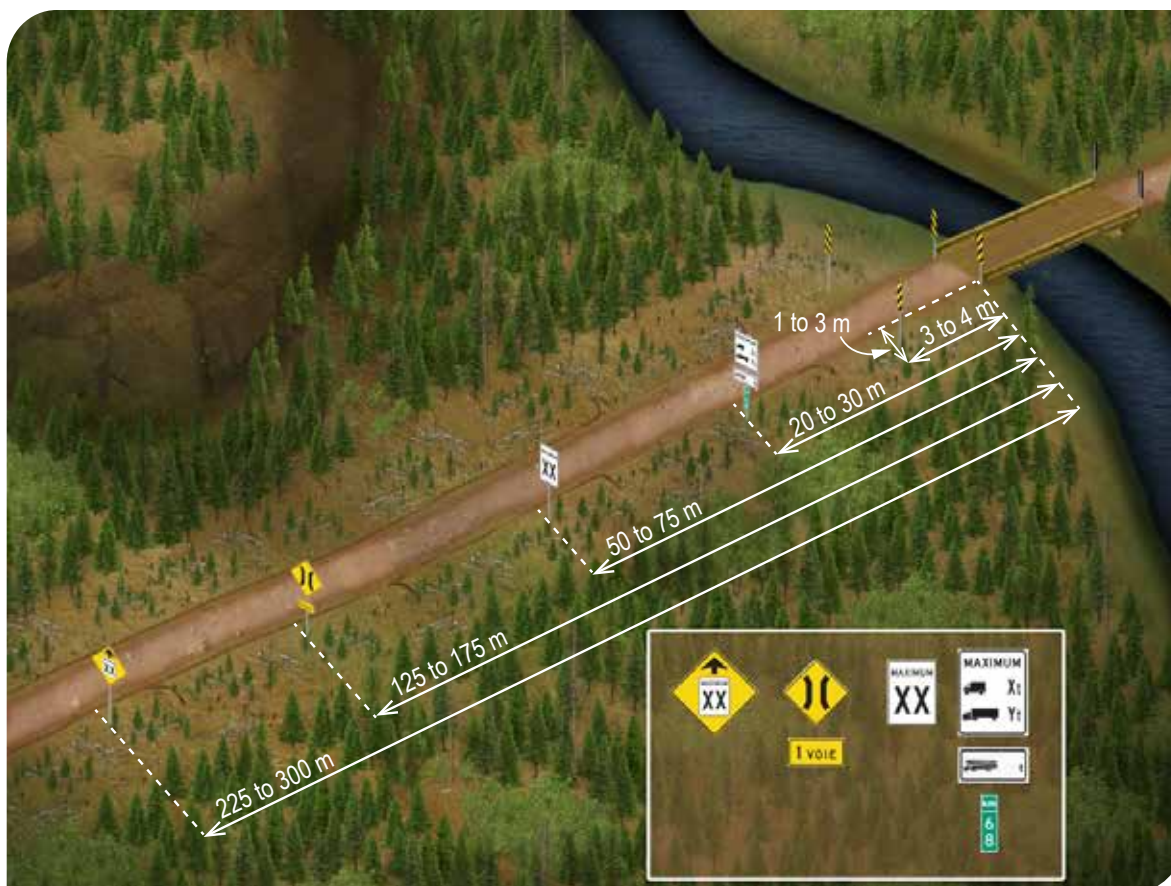


**Figure 115B** Road sign indicating permanent closure of a road

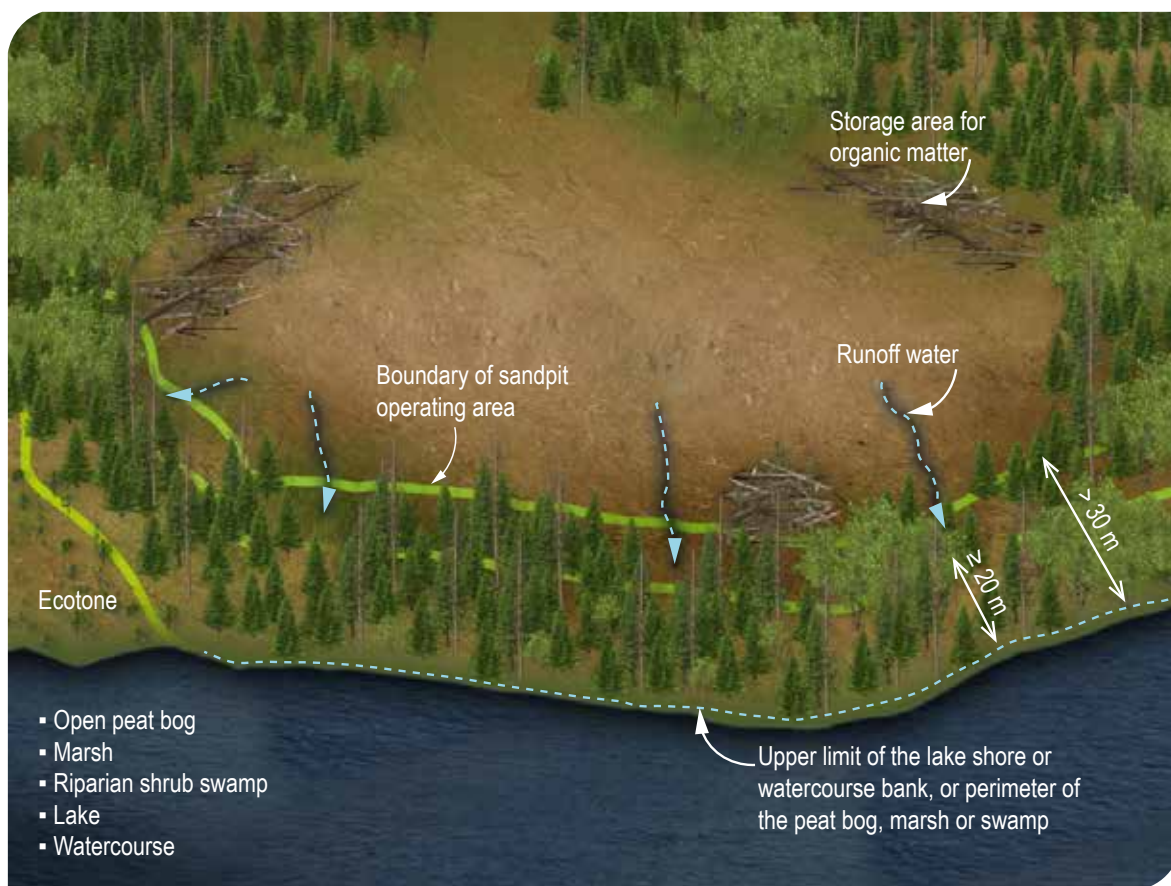


**Figure 115C** Road sign indicating temporary closure of a road



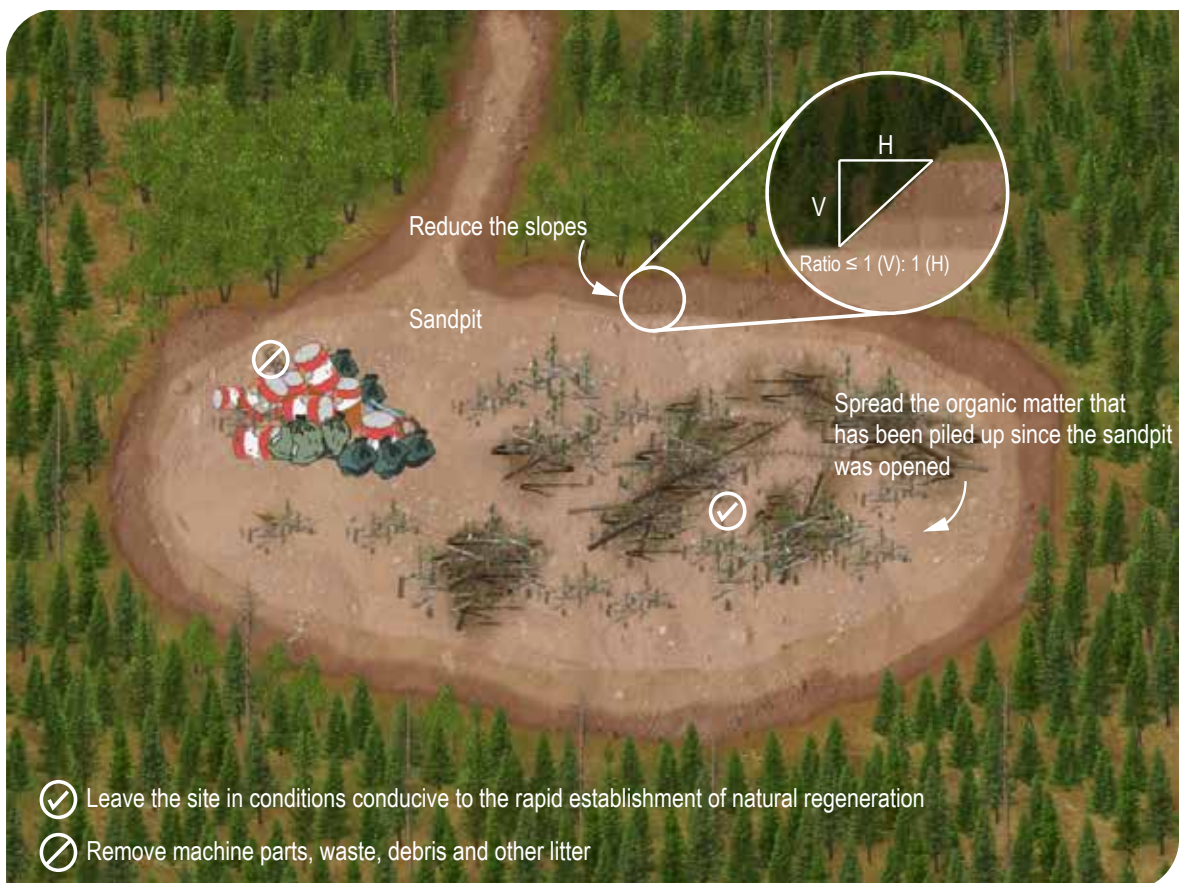


**Figure 117** Road signs near a bridge

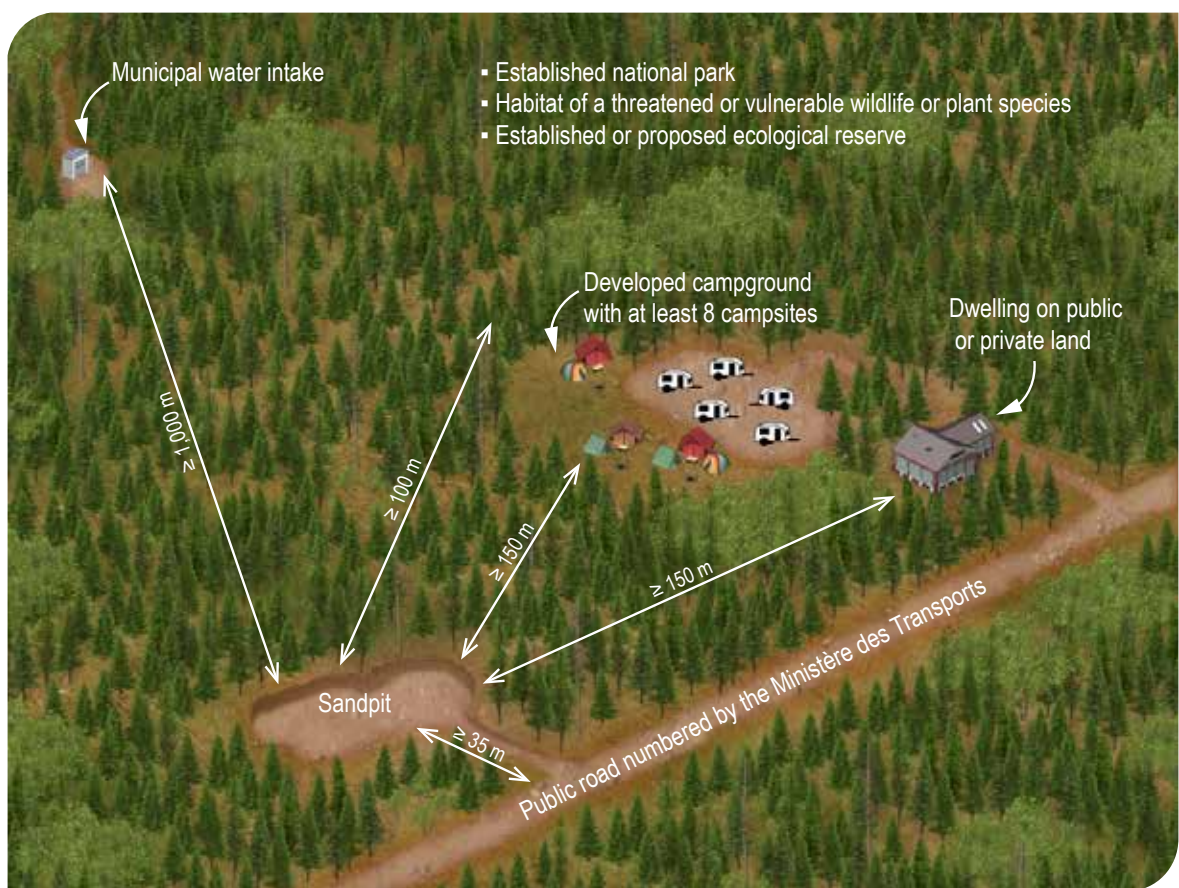


**Figure 119** Distance between a sandpit and a wetland or aquatic environment





**Figure 120** Restoration of a sandpit before expiry of the lease to mine surface mineral substances

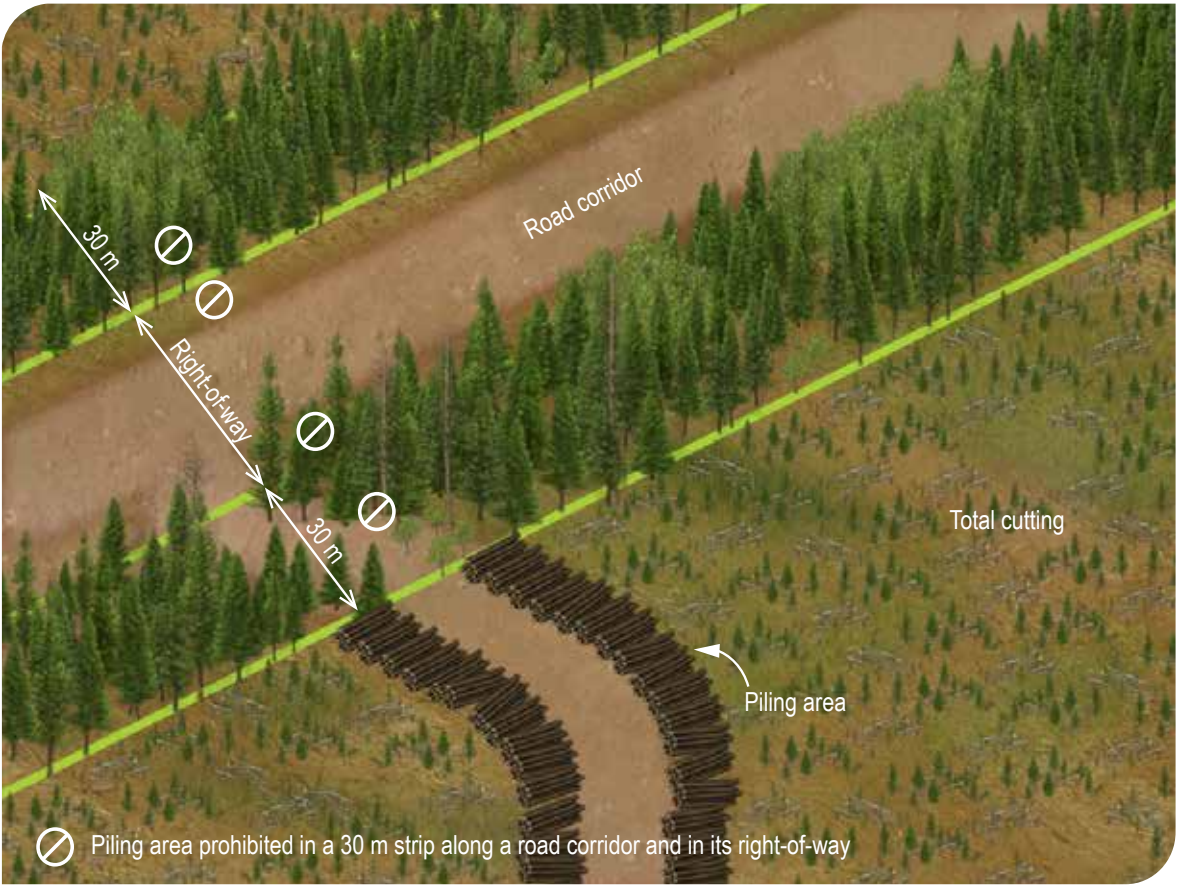


**Figure 121** Distance between a sandpit and different places or territories



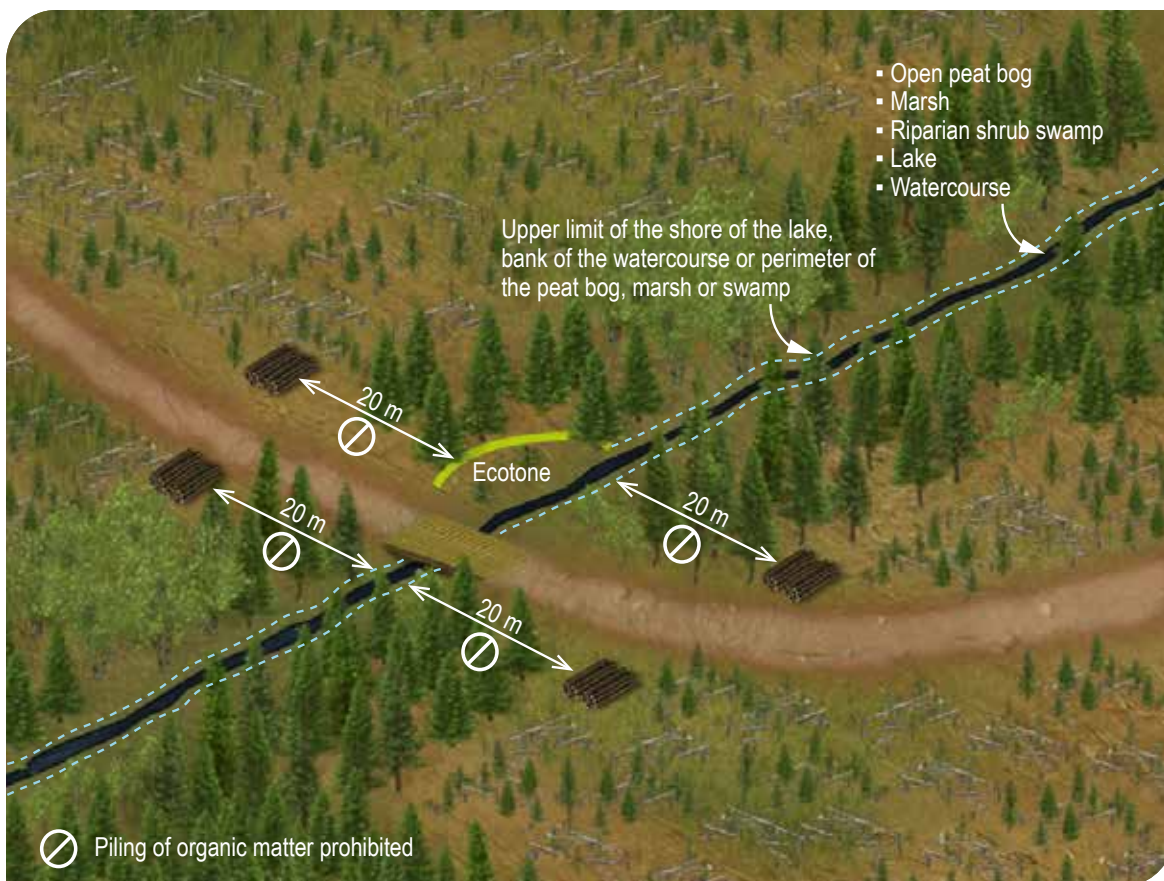


**Figure 123** Operation of a sandpit above the level of groundwater

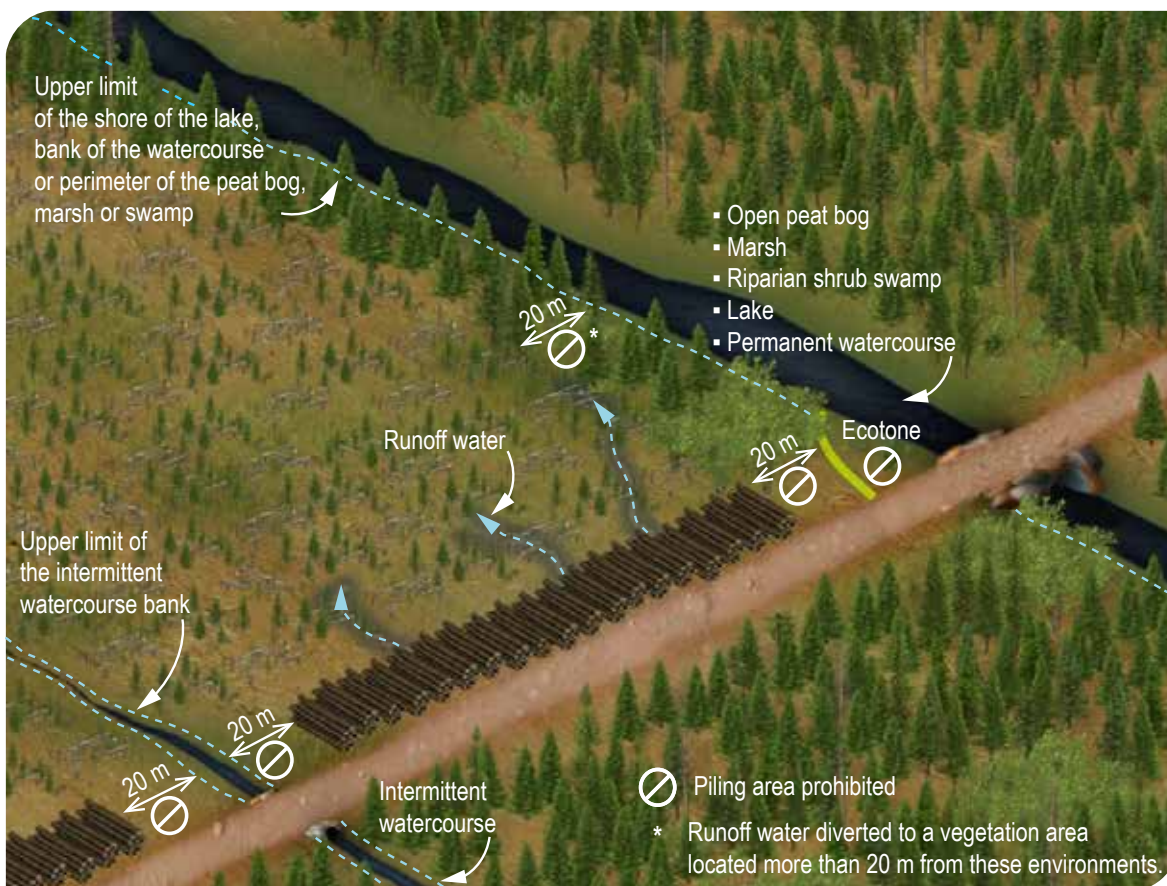


**Figure 124A** Distance between a piling area and a road corridor



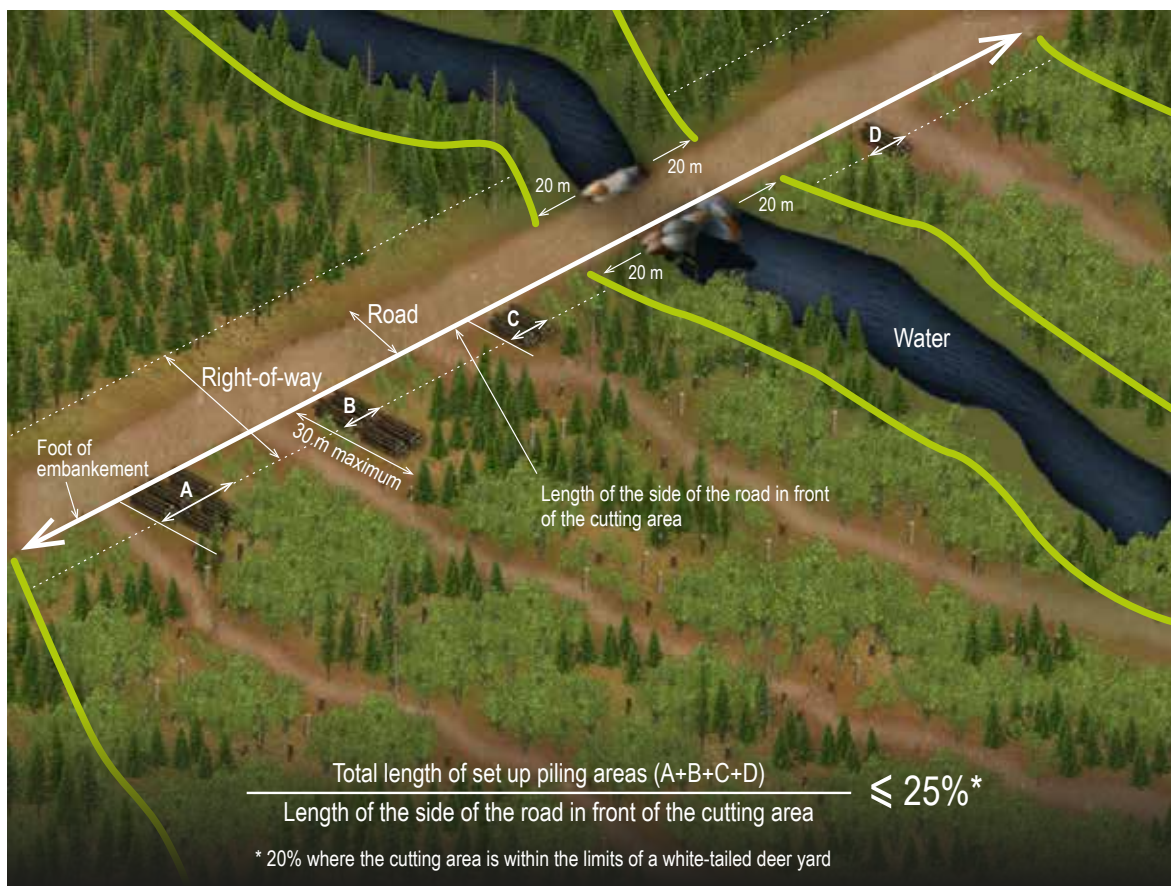


**Figure 124B** Distance between a piling area and a wetland or aquatic environment

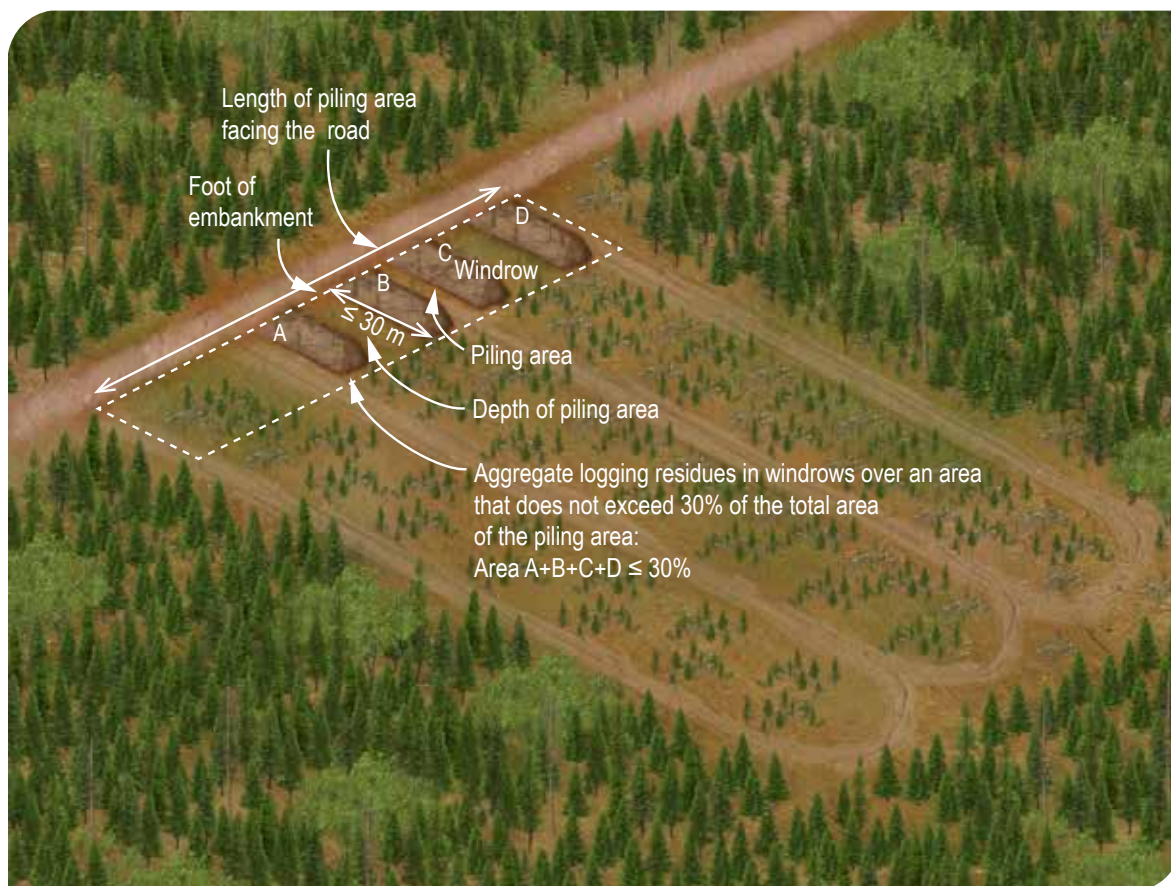


**Figure 124C** Diversion of runoff water from a piling area



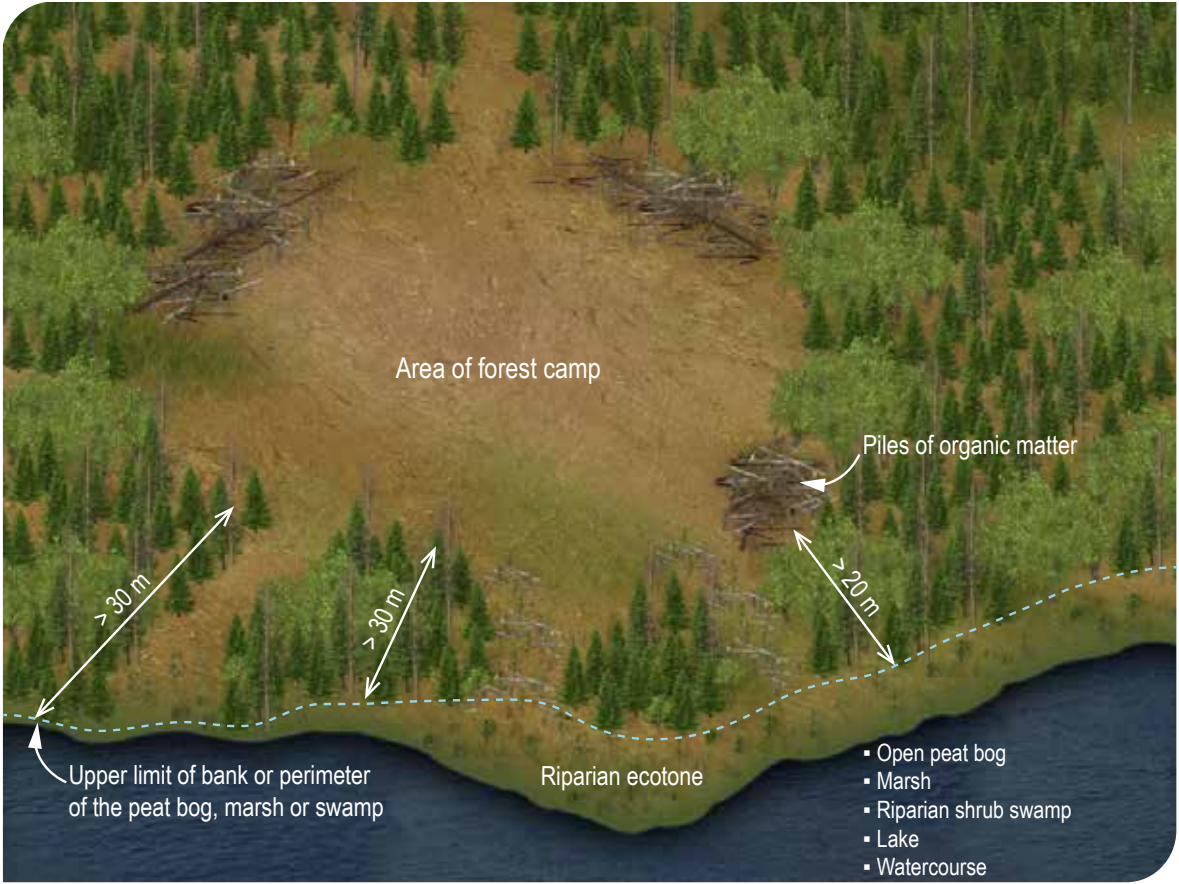


**Figure 125** Limit on the size of piling areas along roads



**Figure 126** Windrowing or spreading of logging residues during total cutting of whole trees



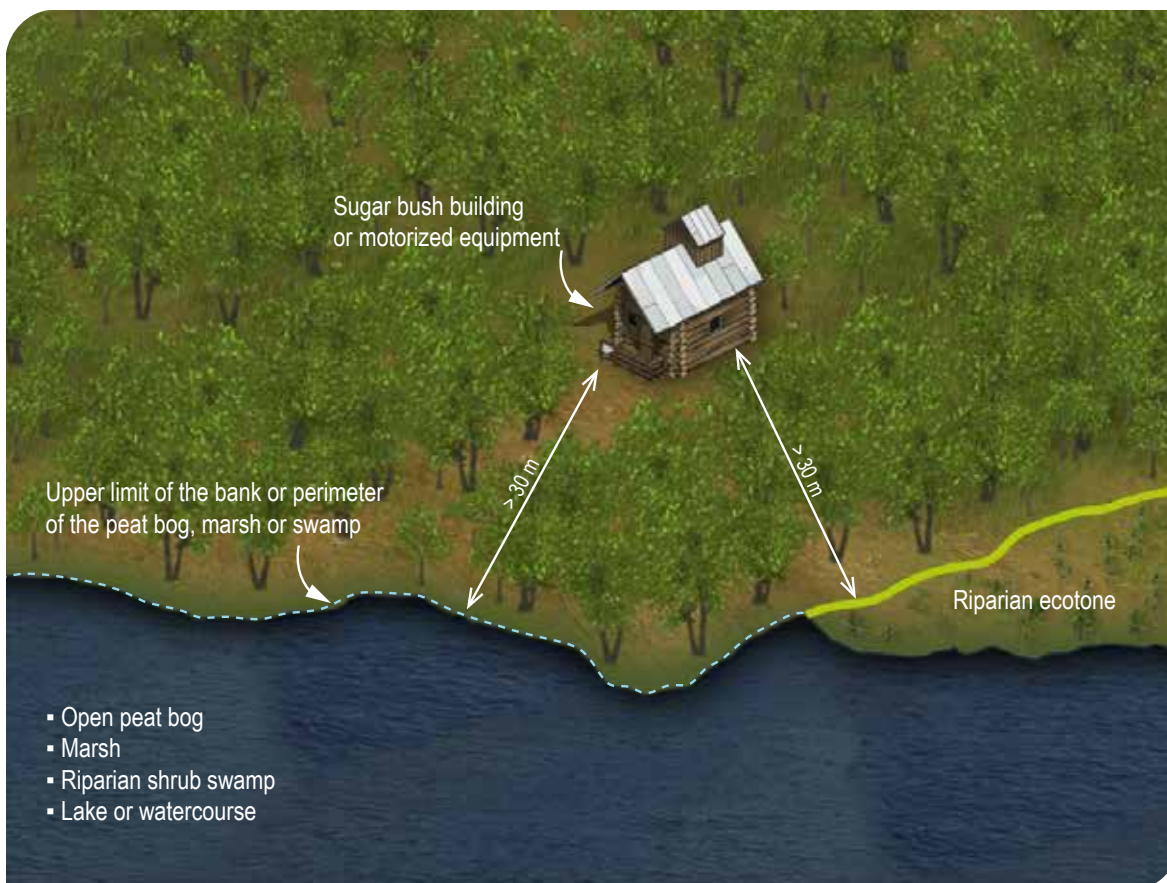


**Figure 128** Distance between the area of a forest camp and a wetland or aquatic environment

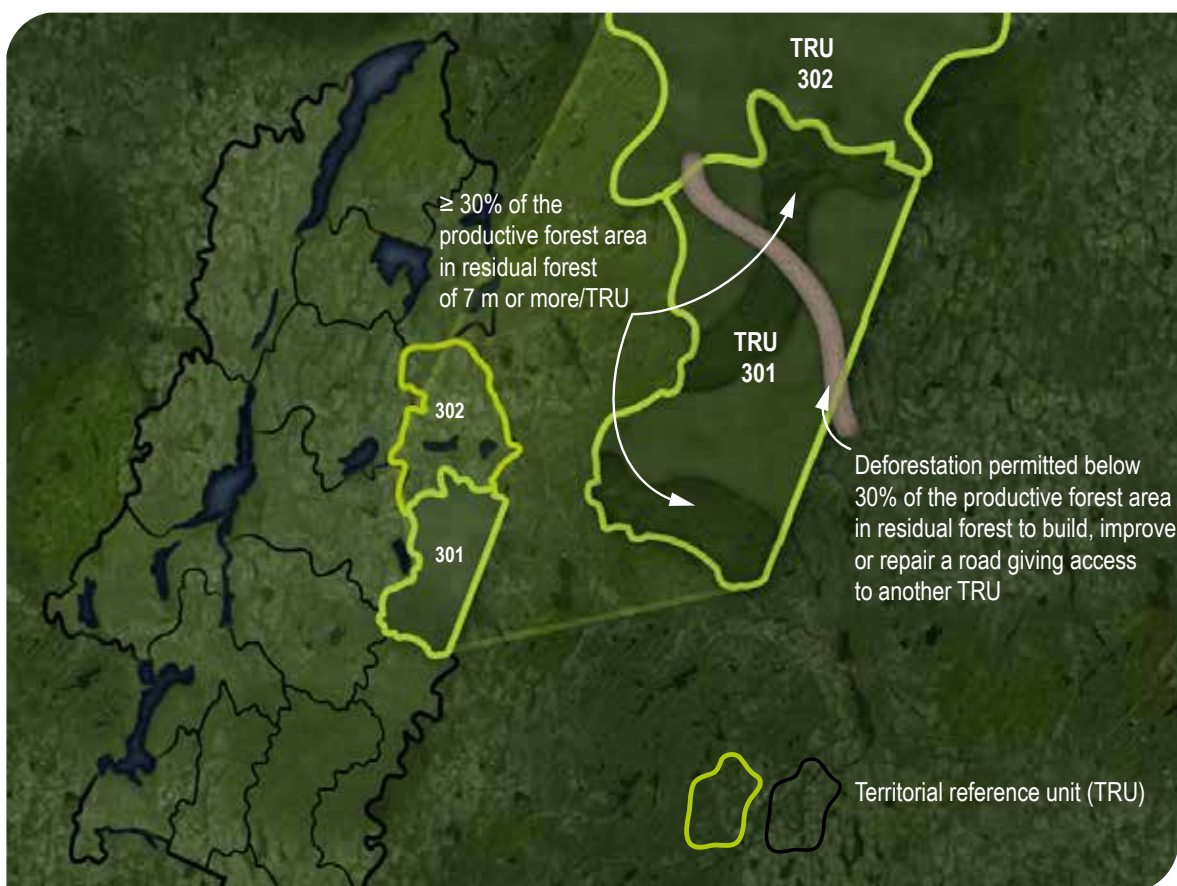


**Figure 129** Restoration of the area of a forest camp after use



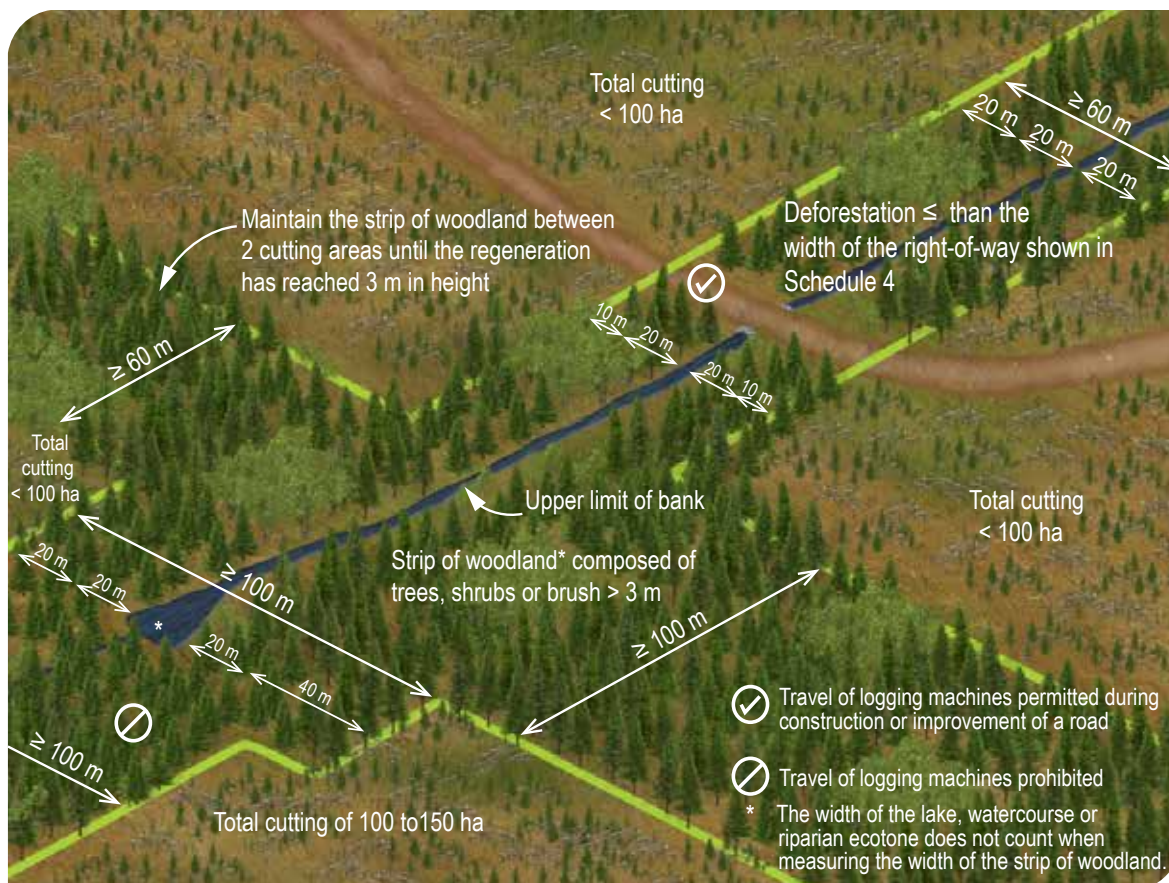


**Figure 130** Distance between a sugar bush building or motorized equipment necessary for the cultivation and operation of a sugar bush, and a wetland or aquatic environment

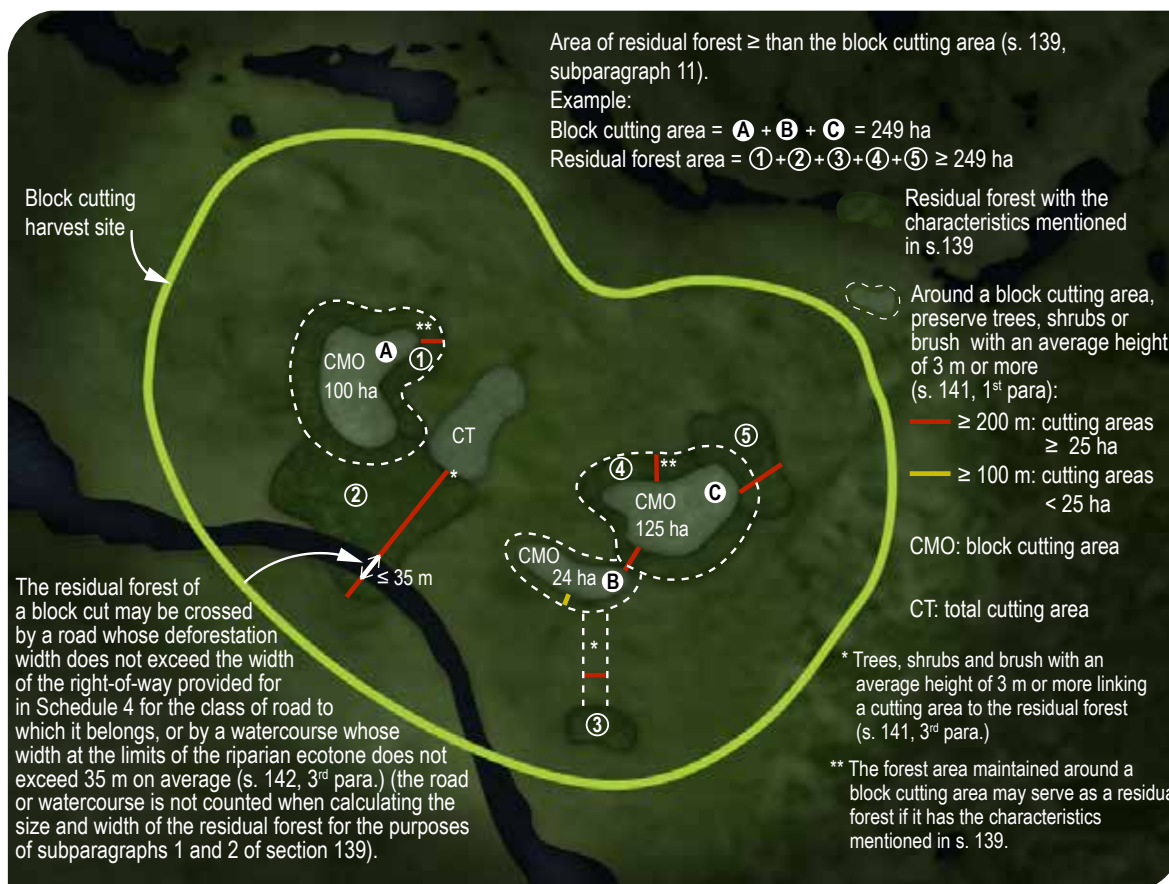


**Figure 131** Percentage of residual forest of 7 m or more in height to be maintained in a territorial reference unit

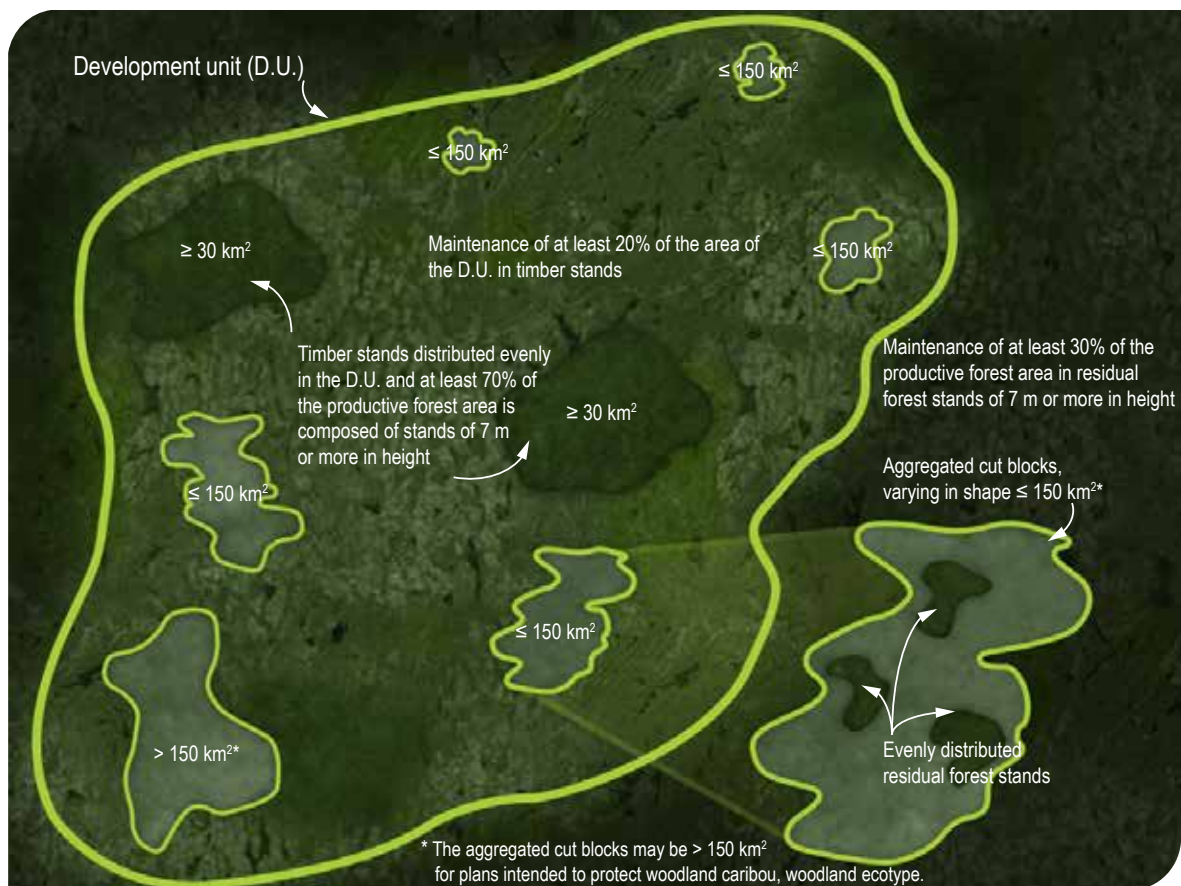




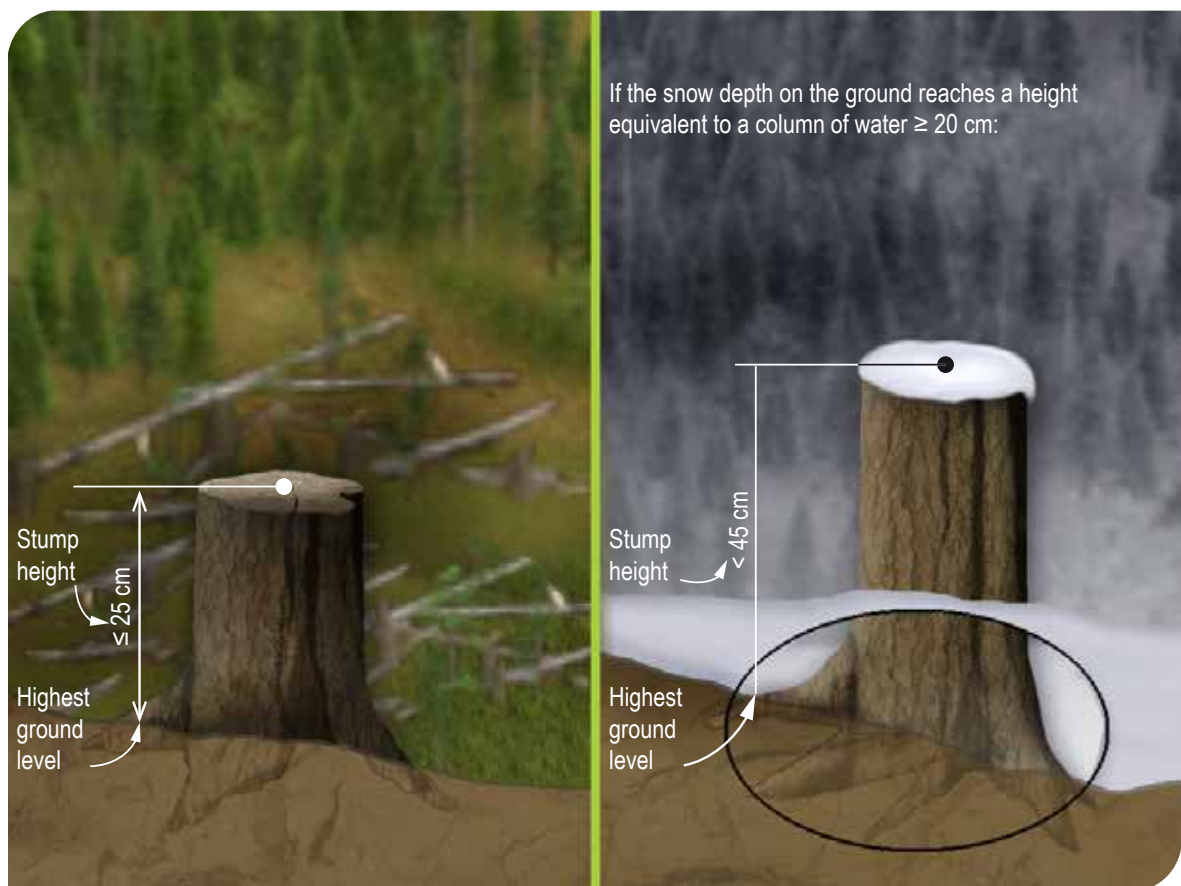
**Figure 136** Strip of woodland between two total cutting areas other than block cutting



**Figure 139** Size and composition of the residual forest at a block cutting harvest site



**Figure 144** Forest operations carried out using an approach including aggregated cut blocks and timber stands



**Figure 147** Maximum stump height



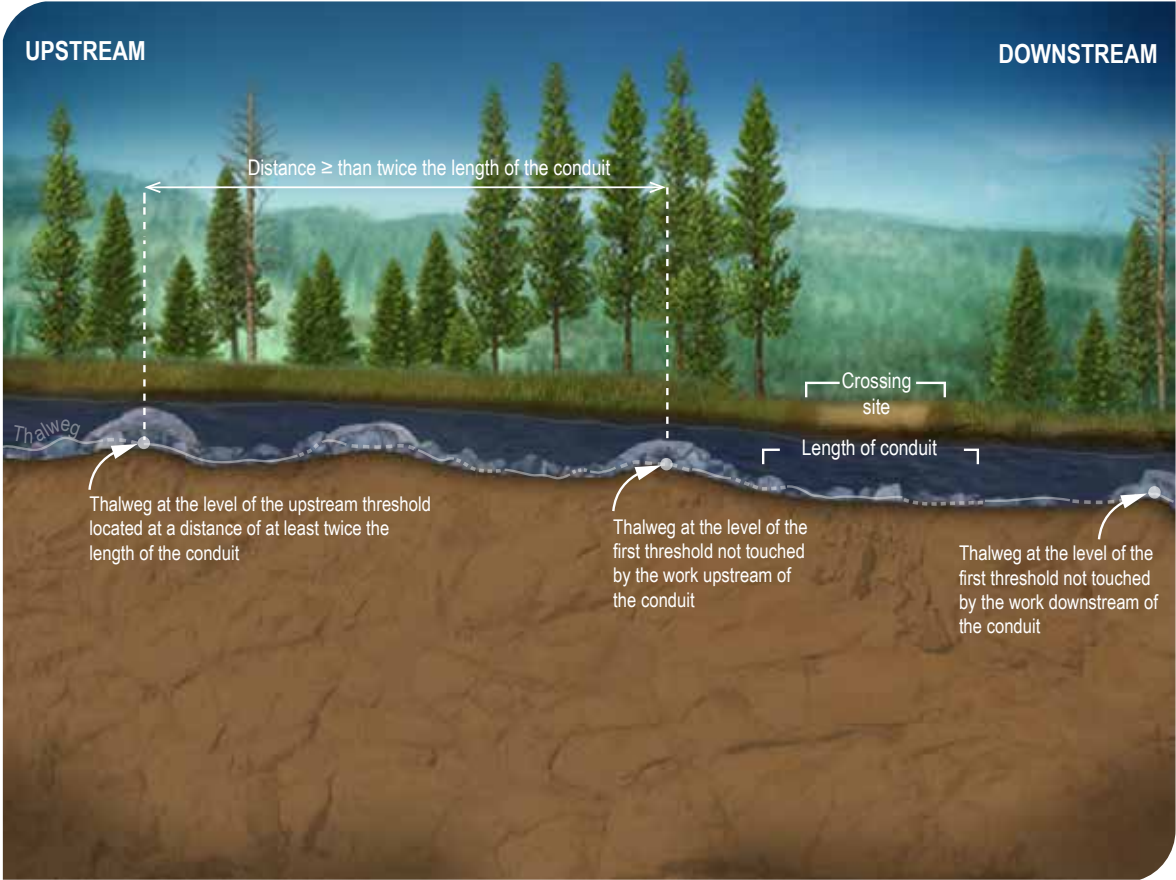


Figure Schedule 9A Placement of thresholds used to measure the slope of a watercourse

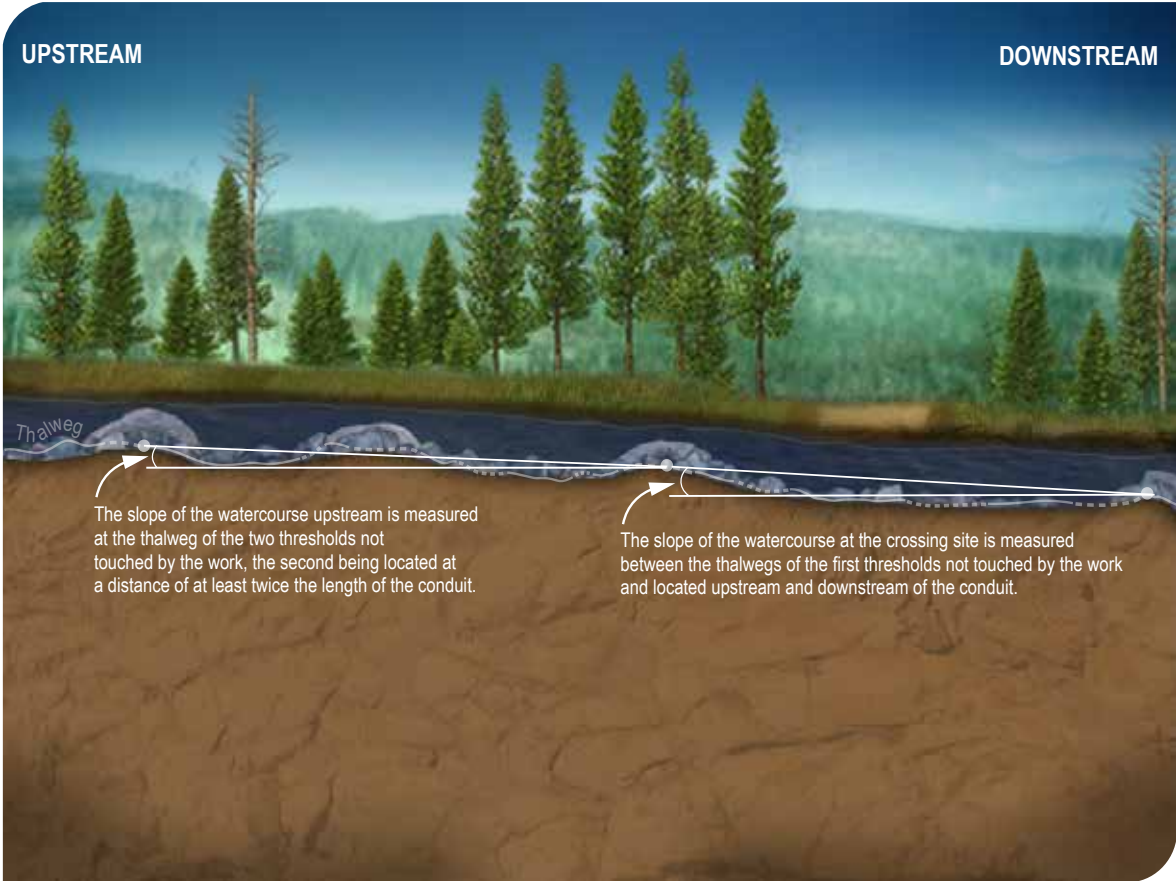


Figure Schedule 9B Measuring the slope of a watercourse

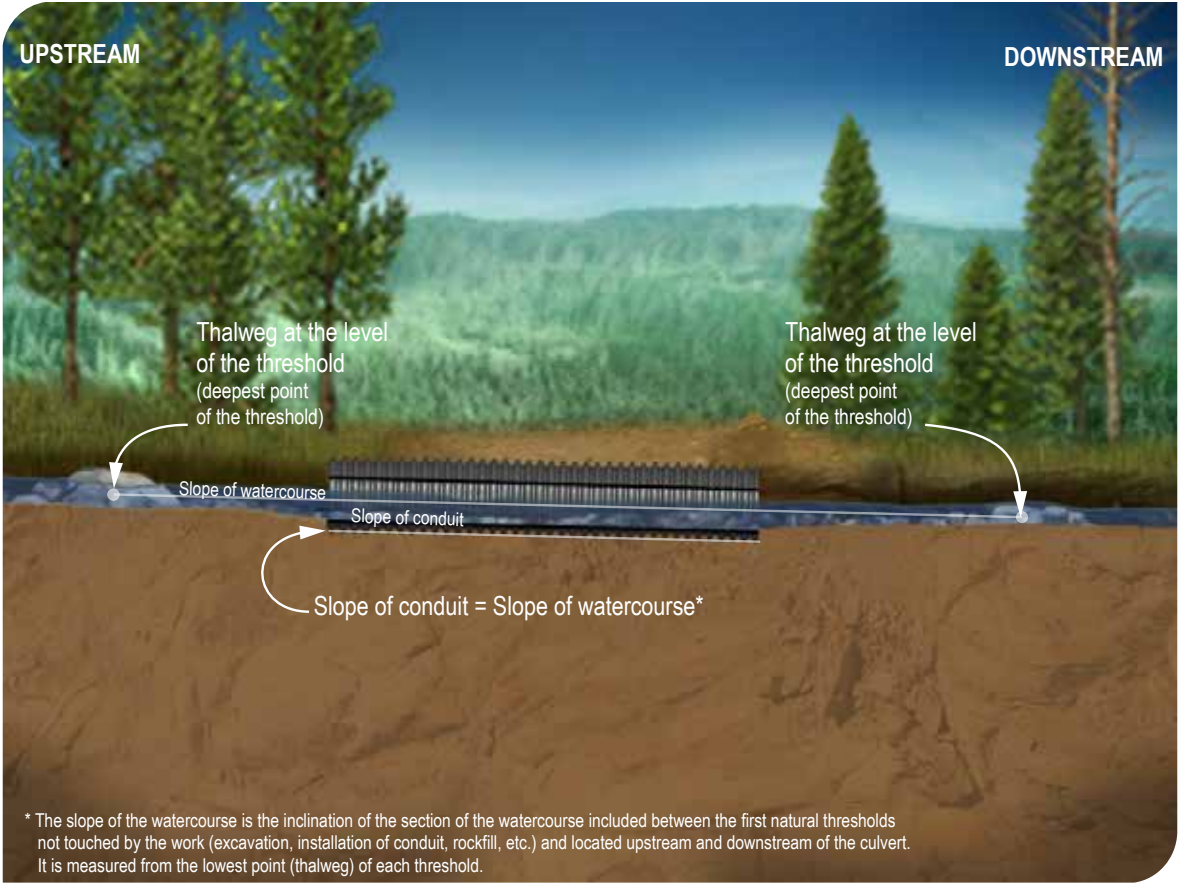


Figure Schedule 9C Burial of a conduit following the slope of the watercourse

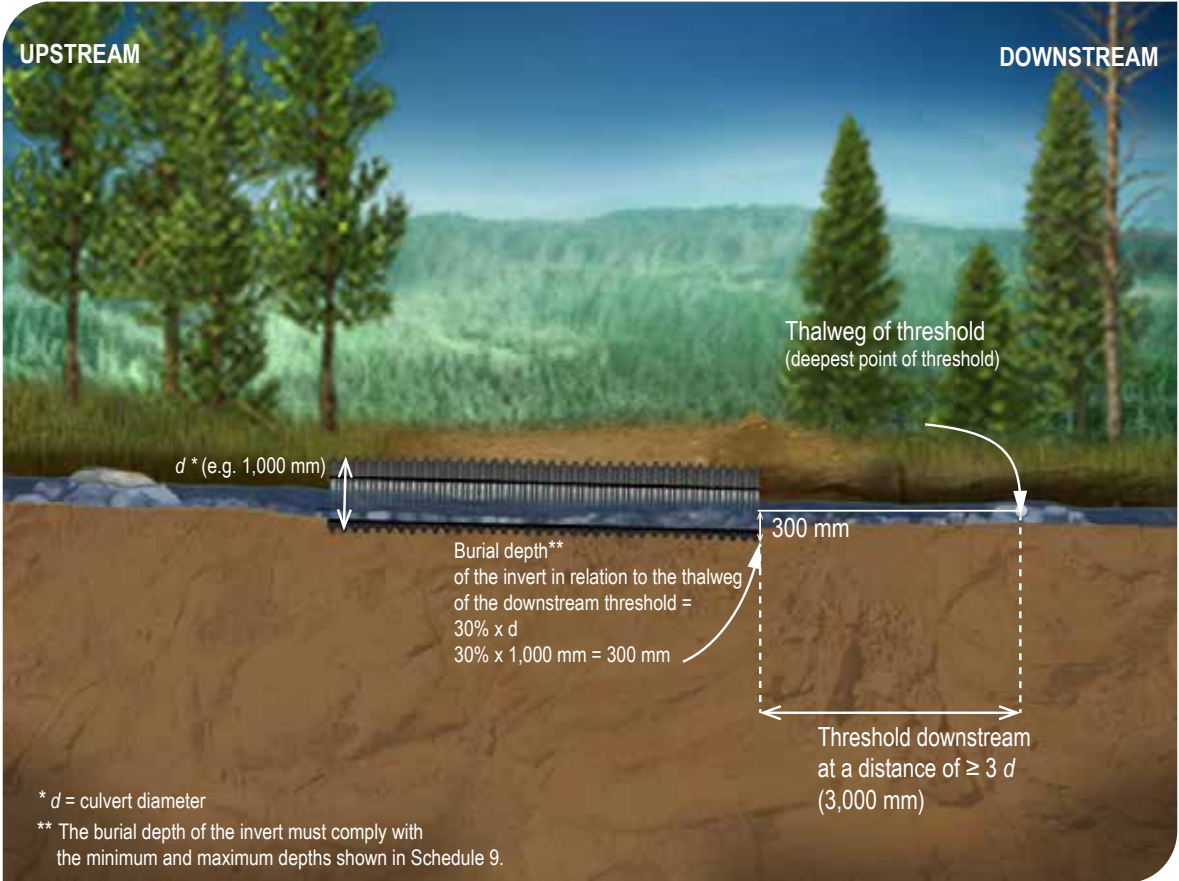
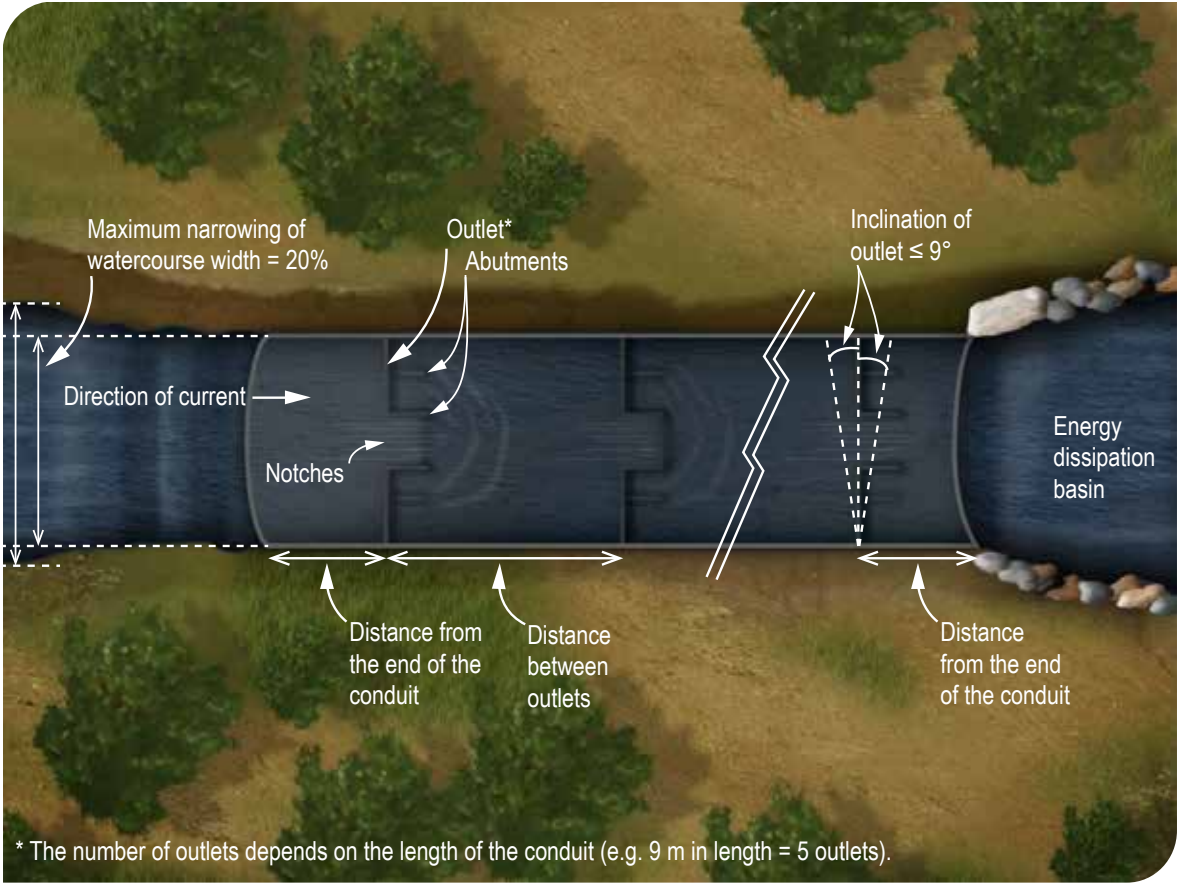
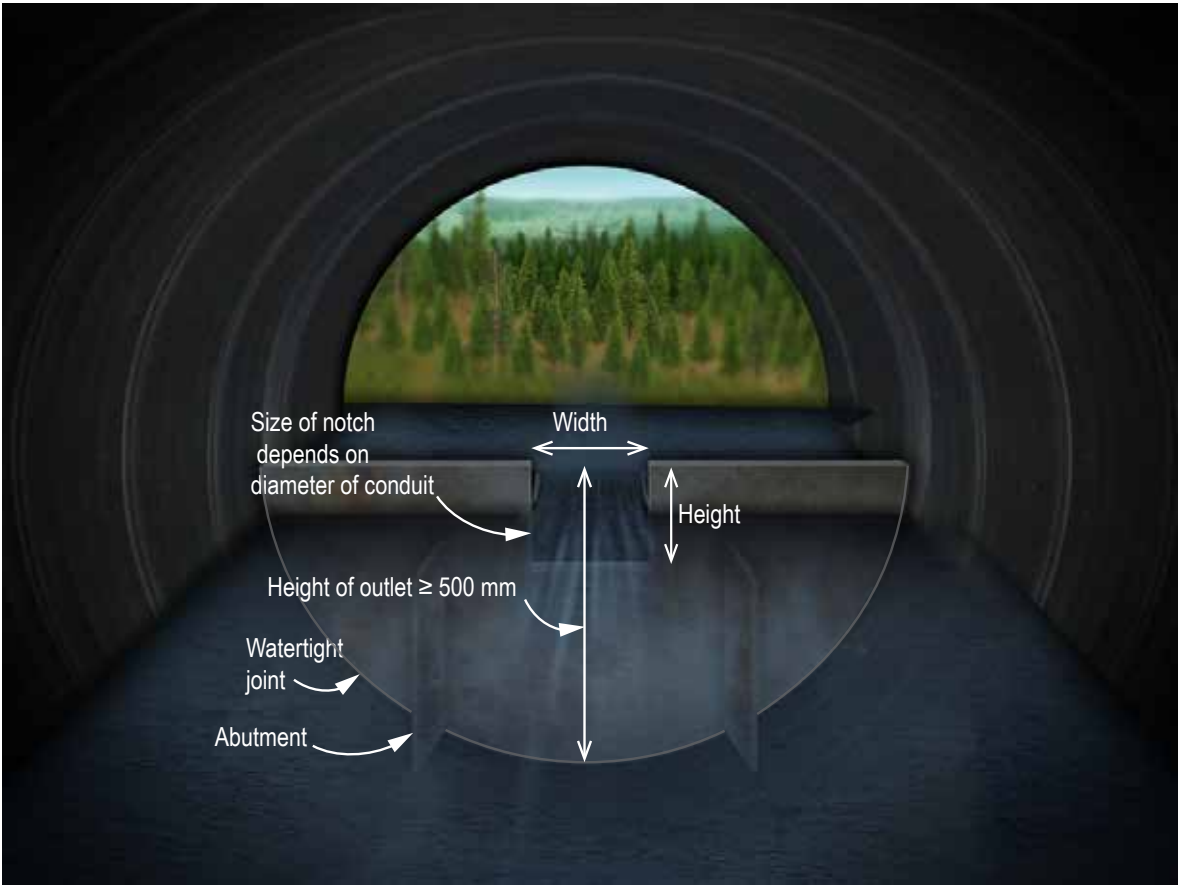


Figure Schedule 9D Burial depth for a conduit

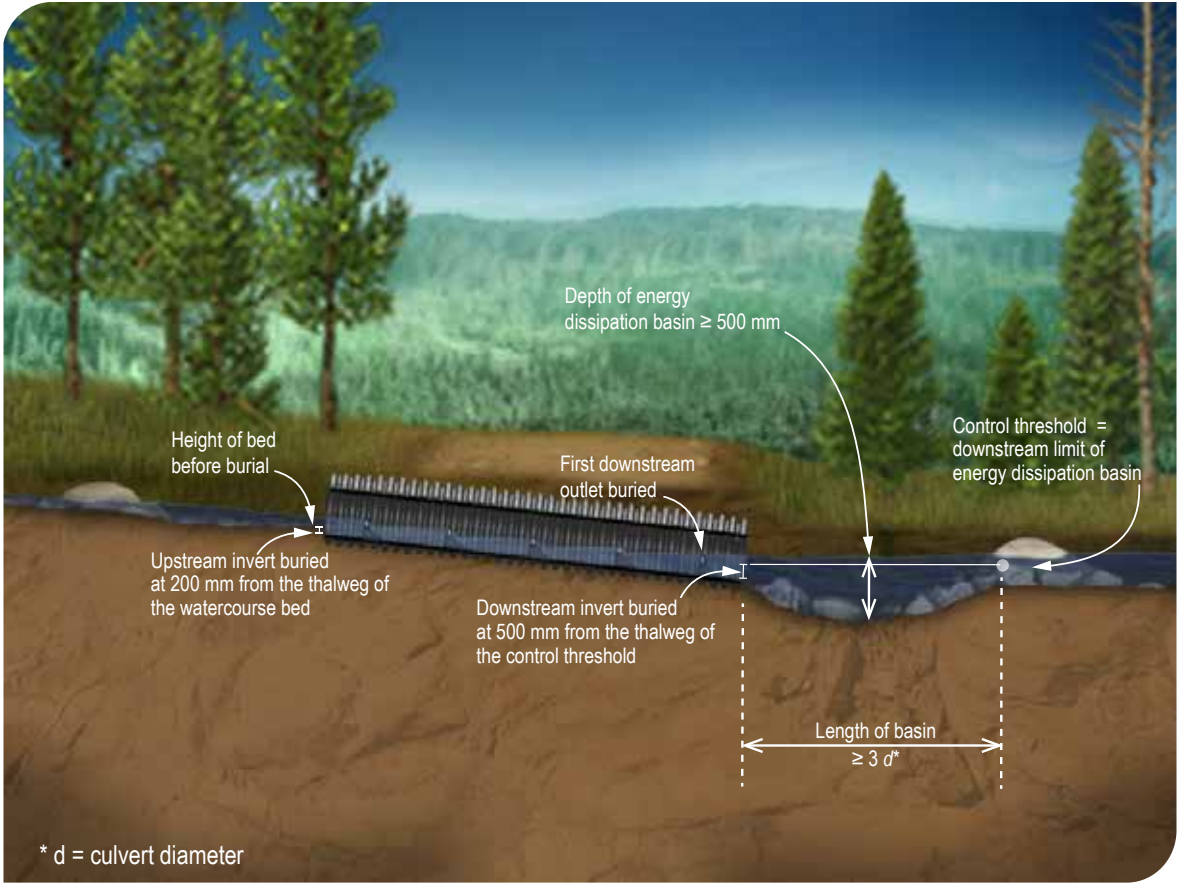




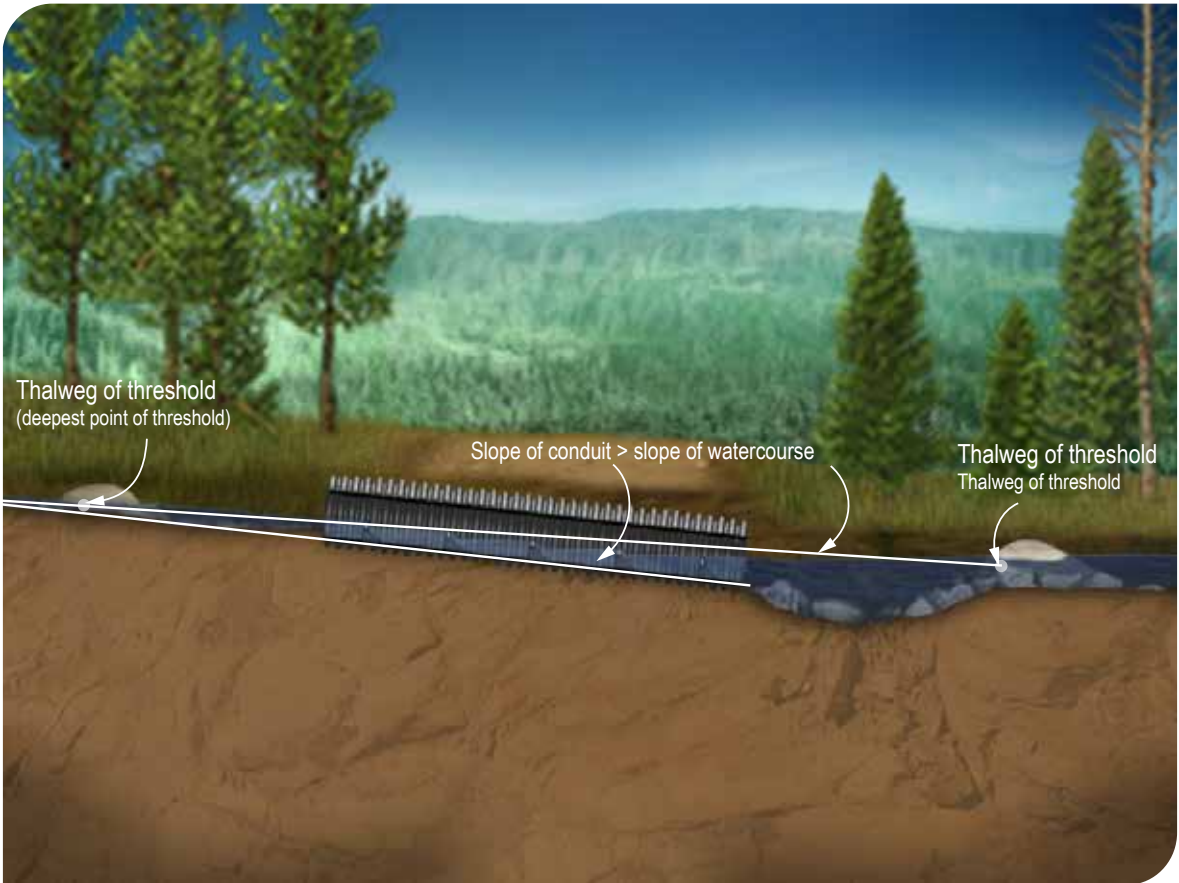
**Figure Schedule 10A** Location of outlets in a conduit



**Figure Schedule 10B** Characteristics of outlets in a conduit

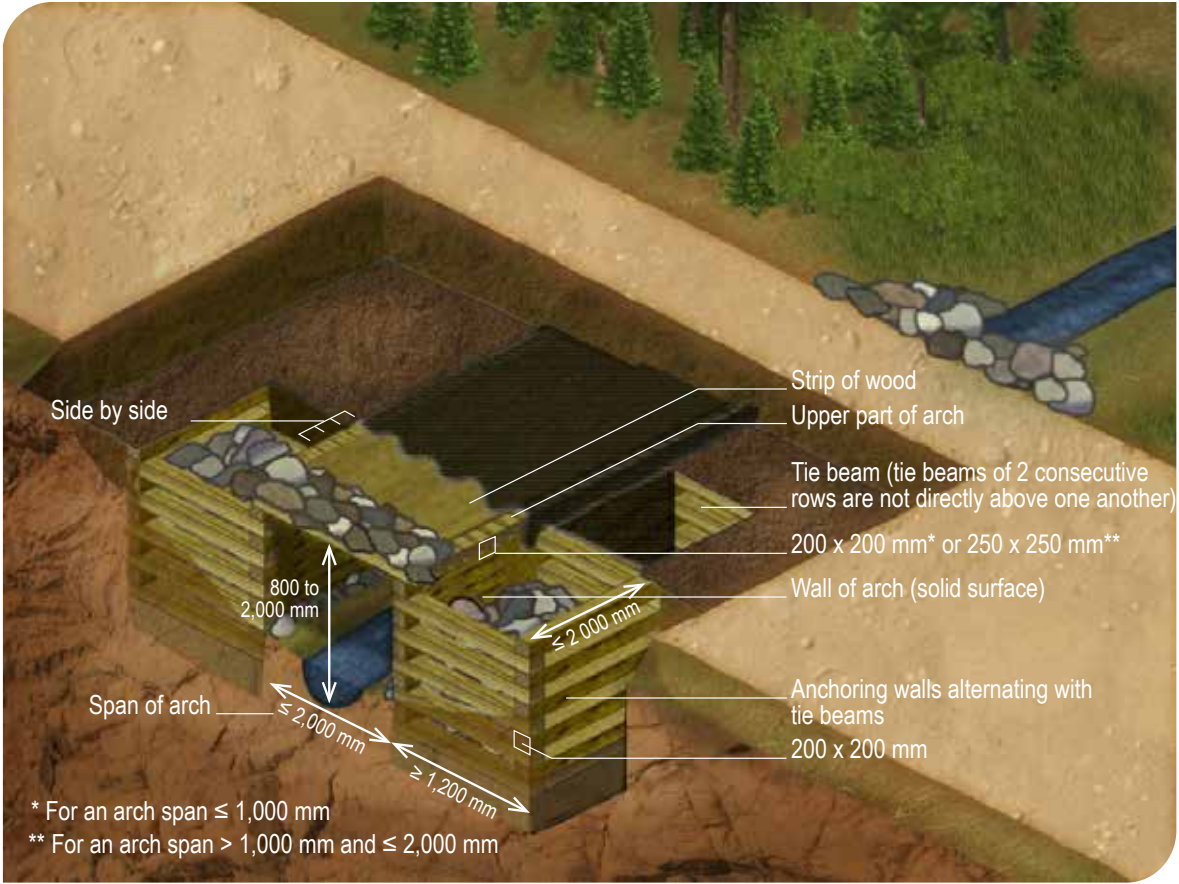


**Figure Schedule 10C** Burial depth of a conduit equipped with outlets compared to the thalweg and characteristics of the energy dissipation basin

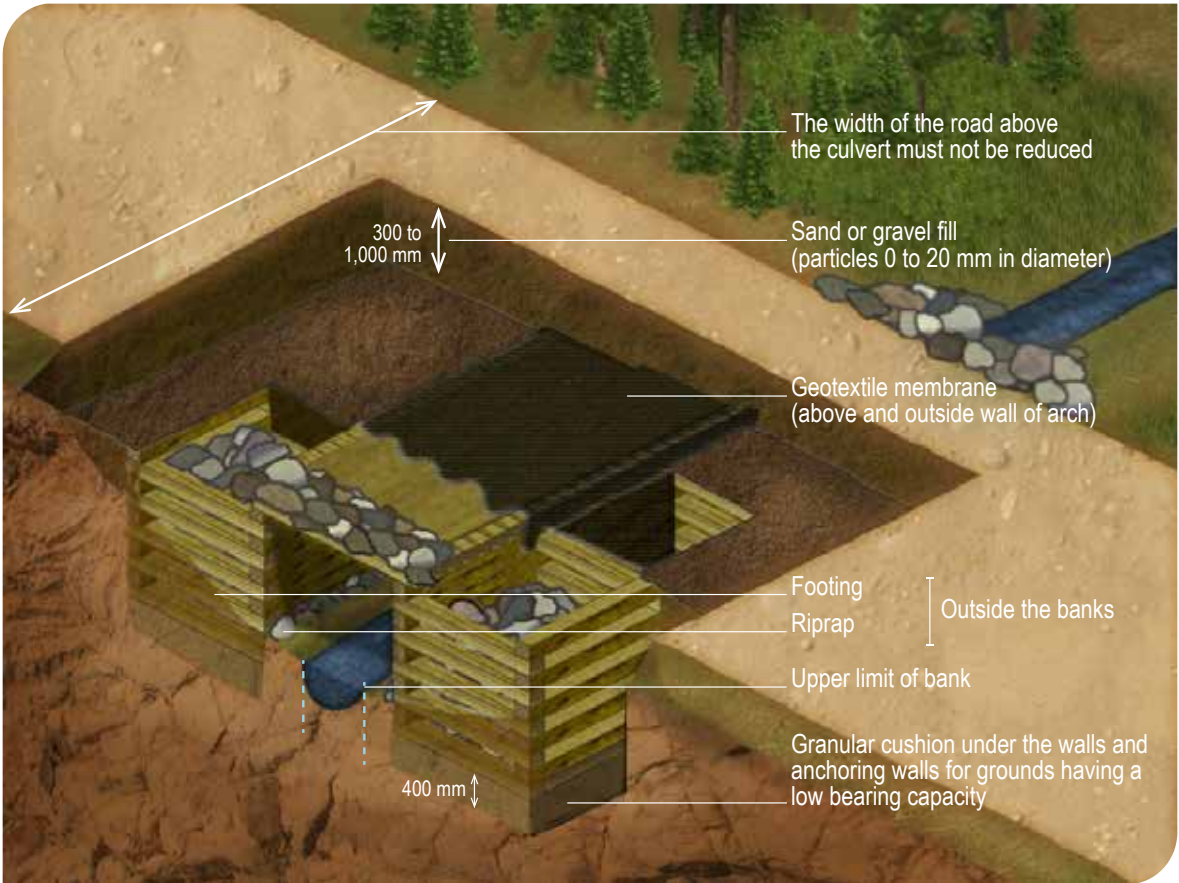


**Figure Schedule 10D** Installation slope of a conduit equipped with outlets





**Figure Schedule 11B** Structure of a wooden culvert



**Figure Schedule 11C** Conditions for installation of a wooden culvert