

## **IX. MISCELLANEOUS GUIDELINES**

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### **LAKESHORES AND STREAM CORRIDORS**

#### **A. GOALS**

1. Provide for common use of water by people for the maximum benefit to people through the established statutes and regulations related to water management.
2. Protect riparian habitat, breeding areas for fish and wildlife, lakeshores, and river corridors for fish and wildlife and other recreational uses.
3. Assure water quality is maintained.

#### **B. MANAGEMENT STRATEGY**

The overall management intent for lakeshores and stream corridors is to maintain and protect riparian zones, water quality, lake shorelines and river banks while allowing for multiple use of the resources. Public access to public waters will be maintained.

#### **C. GUIDELINES**

##### **1. RIPARIAN ZONES**

a. Any timber harvest or habitat enhancement activity altering the habitat/vegetation within the riparian zone shall require concurrence by DNR and ADF&G subject to existing laws. The following activities require review and concurrence. Where such activities occur within state road rights-of-way, DOT/PF should consult with DNR and ADF&G prior to removal of vegetation.

- (1) Road and trail construction
- (2) Habitat enhancement projects
- (3) Timber cutting
- (4) Material removal
- (5) Grazing

## 2. STREAM BUFFERS

In order to protect water quality, riparian habitat, and recreation values; a buffer of essentially undisturbed land and vegetation should be protected along streams.

a. Group I - Little Susitna River, Fishhook, Archangel, Reed, Willow, Little Willow, Peters, Purches and Government Creeks, and other perennial streams in the eastern Section II of the Hillside Subunit. The buffer area shall be normally 200 feet on either side of the high water mark and shall include all streamside riparian vegetation zones

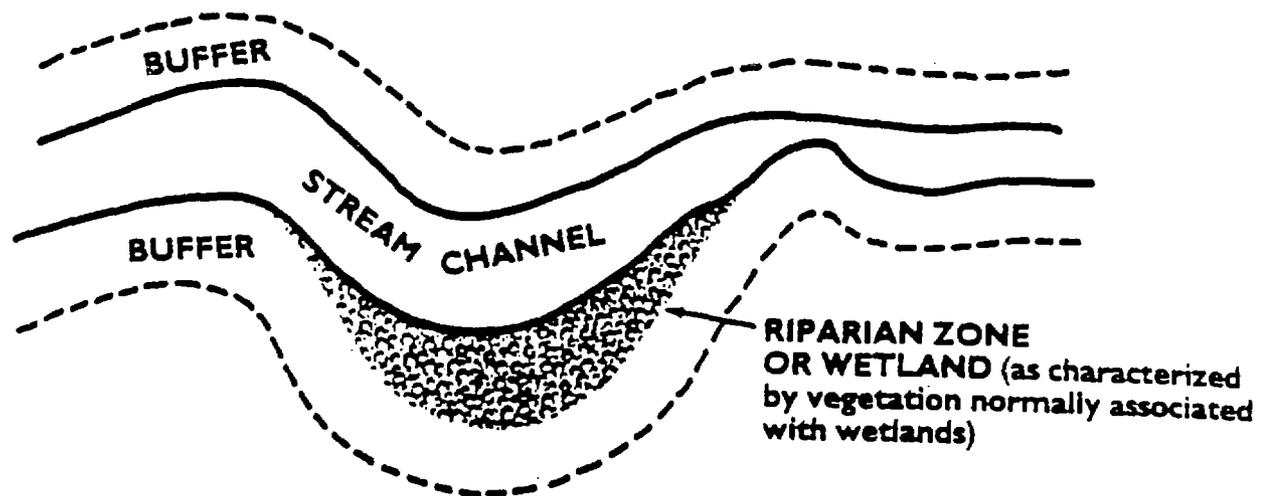
b. Group II - Other Perennial Streams identified on a U.S. Geological Survey 1:63,360 topographic map or field verified by ADF&G and DNR; the buffer shall be 100-feet wide on either side of the high water mark and shall encompass the adjacent riparian vegetation zones. (See illustration in Figure 5).

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**FIGURE 5**

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STREAM BUFFER ILLUSTRATION



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### c. Buffer Adjustments

(1) **Riparian Zone Less Than 100 Feet.** The buffer width on Group II streams may be reduced to the width of the riparian zone or 50 feet, whichever is greater, if field verification by ADF&G and DNR concludes the riparian zone is less than 100 feet wide.

(2) **Slope Effects.** Buffer widths on Group I and II streams should be adjusted to reduce potentially adverse impacts of development within sloping buffer areas. Buffer widths should follow the following table:

<b>Average Side Slope</b>	<b>Buffer Width</b>
0 - 20 %	SB
20 - 40%	SB + 25%
40% or greater	SB + 50%

SB = Standard buffer (Group 1 = 200' and Group II = 100')

(3) **Wind Effect.** In forest harvest areas, riparian buffer widths should be widened as necessary to increase resistance to windthrow of the residual buffer trees in areas subject to strong winds.

d. **Activities Allowed in Group I and II Stream Buffers**

(1) Selective-tree cutting as approved by ADF&G, the Division of Parks and Outdoor Recreation, and Division of Land and Water Management.

(2) Disease and insect control and prevention with pesticides and/or tree removal as approved by ADF&G, Division of Parks and Outdoor Recreation, DLWM, and Division of Environmental Conservation.

(3) Grazing as approved by the Division of Parks and Outdoor Recreation, DLWM, and ADF&G, and consistent with the grazing guidelines in this chapter.

(4) Picnic facilities, foot paths, parking, and other recreational developments which are shown on the land use plan map or for which no feasible alternative exists due to the location of access routes in stream valley floors. Such allowable recreational developments will be designed to prevent bank erosion, increased run off of water, and other negative impacts to anadromous fisheries.

(5) Road and trail access to and/or across streams for recreation, habitat enhancement, or forest operations as approved by ADF&G, the Division of Parks and Outdoor Recreation, and DNR.

(6) Access to and/or across streams for utility lines such as powerlines and waterlines, etc., as approved by ADF&G, the Division of Parks and Outdoor Recreation, and the Division of Land and Water Management. Utility systems should not be located so that they parallel stream systems; rather they should cross streams in a perpendicular fashion to the extent feasible and prudent. Utility systems should be underground where possible. (See Chapter 3, Recreation, Public Facilities and Transportation Guideline 3.)

### 3. LAKE BUFFERS

- a. **Lakes Less Than 5 Acres.** Buffer widths for lakes up to 5 acres in size are set at 200' landward of the lake's high water mark.
- b. **Lakes Between 5 and 100 Acres.** Buffer widths for lakes between 5 and 100 acres in size are set at 300' landward of the lake's high water mark.
- c. **Lakes Over 100 Acres.** Buffer widths for lakes exceeding 100 acres in size are set at 400' [100] landward of the lake's high water mark.
- d. **Side Slope Adjustment.** Buffer widths for lakes should be adjusted to reduce potentially adverse impacts on wetlands from development on adjacent side slopes. Buffers should be the standard buffer width for side slopes of 0-20 percent, 25 percent additional buffer should be added to the normal buffer width for side slopes of 20-40 percent, and 50 percent additional buffer should be added to the normal buffer width for side slopes of 40 percent or greater.
- e. **Allowable Activities.** Activities allowed within lake buffers include all activities (1 - 5) that are allowed in stream buffers. In addition:
  - (1) Access for development and utilization for sport fishing shall be an allowable activity within these buffers.
  - (2) Access to lakes for utility lines such as powerlines and waterlines, etc., as approved by ADF&G, the Division of Parks and Outdoor Recreation, and DNR. Utility systems should not be located so that they parallel lakeshores.