

LAC LA BICHE COUNTY POLICY

TITLE: RIPARIAN SETBACK MATRIX	POLICY NO. PI-63-003
RESOLUTION: 10.007	EFFECTIVE DATE: JANUARY 12, 2010
LEAD ROLE: MANAGER, ENVIRONMENTAL PLANNING NEXT REVIEW DATE: MAY 1, 2011	
SPECIAL NOTES/CROSS REFERENCE: CM-64-001 The Riparian Setback Matrix Model Backgrounder The Riparian Setback Matrix Model Developer’s Guide Municipal Development Plan Land Use Bylaw	AMENDMENT DATE:

POLICY STATEMENT:

Lac La Biche County recognizes the need to prevent deleterious substances from entering waterbodies with the implementation of municipal policy and in accordance with provincial legislation for long-term watershed sustainability.

Lac La Biche County believes that it is important to protect water resources and source drinking water through the use of the Riparian Setback Matrix for the determination of Environmental Reserve or Riparian Development Setback allocation at time of subdivision. The Riparian Setback Matrix will be utilized to determine sufficient Environmental Reserve or Riparian Development Setback allocation for the prevention of pollution, as defined in the Land Use Bylaw # 07-005, as amended from time to time.

PROCEDURE:

1. Deleterious substances are defined as substances which degrade water quality. This includes nutrients such as nitrogen and phosphorus.
2. A developer is defined as any landowner responsible for the development and/or subdivision of a property.
3. Subdivision and development occurring where lakes, streams, rivers and wetlands exist will require the use of the Riparian Setback Matrix (Schedule A) to determine the appropriate allocation of Environmental Reserve/Riparian Development Setback to prevent deleterious substance from entering the waterbody.
4. A developer will be provided with a copy of the Developer Guide to Riparian Setback Determination (Attached Schedule “A”) at the time of subdivision/development application. It will be the responsibility of the developer to review this document and follow the Riparian Setback Matrix to determine the correct Environmental Reserve/Riparian Development Setback required, prior to the submission of subdivision application.

5. Required setback will be determined based on:
 - Vegetative Cover
 - Slope of land
 - Height of bank
 - Groundwater influence
6. The determined amount of Environmental Reserve/Riparian Development Setback will be subject to approval by Lac La Biche County.
7. No development will be permitted on the Environmental Reserve/Riparian Development Setback. The dedicated area will remain in a natural state.
8. Communal public access points, including but not limited to boat launches and docks, swimming areas, interruption sites or other public access points to waterbodies shall be determined by the use of the matrix, in order to minimize cumulative detrimental effects.
9. The approval of communal public access points may be approved by Lac La Biche County depending upon matrix consideration and provincial legislation.
10. All other conditions of the Land Use Bylaw # 07-005, and/or the current Municipal Development Plan as amended from time to time shall be adhered to in conjunction with this policy.

“Original Signed”
 Chief Administrative Officer

January 22, 2010
 Date

“Original Signed”
 Mayor

January 22, 2010
 Date

SCHEDULE "A"
Riparian Setback Matrix Model

Waterbody name: _____ Setback point _____

Waterbody Type (circle): Lake, Stream, or Wetland

STEP 1	Slope Category (%)	Measured Slope (%)	Distance Adjustment (m)
	0 - 4.9	_____	5 - 9.9
	5 - 9.9	_____	10 - 14.9
	10 - 14.9	_____	15 - 19.9
	≥ 15	_____	Requires a Geotechnical Survey
TOTAL			

STEP 2	Height of Bank (m)	Measured Height (m)	Distance Adjustment (m)
	< 5	_____	10
	5 to 24.9	_____	2x height of bank
	≥ 25	_____	50
TOTAL			

STEP 3	Groundwater Influence	√ or X	Distance Adjustment (m)
	Distance to water table		
	0 - 9.9 m	_____	30
	10 - 19.9 m	_____	15
	≥ 20 m	_____	10
TOTAL			

STEP 4	Vegetative Cover Type	% Occupied	Distance Adjustment (m)
	Grass	_____	30
	Shrub	_____	25
	Forested	_____	15
	Cleared	_____	50
TOTAL			

Setback Distance Required: _____