Chapter 502:   DIRECT WATERSHEDS OF LAKES MOST AT RISK FROM NEW DEVELOPMENT, AND URBAN IMPAIRED STREAMS

> **SUMMARY**: This chapter describes the criteria used to identify the direct watersheds of lakes most at risk from new development and urban impaired streams and lists these waterbodies.

1. **Applicability.** This chapter applies to (A) a project that requires a stormwater permit pursuant to 38 M.R.S. §420-D, and (B) a development that may substantially affect the environment and requires a *Site Location of Development Act* (Site Law) permit pursuant to 38 M.R.S. §§ 481 - 490.

2. **Definitions**. Unless the context otherwise indicates, definitions of terms in chapter 500 apply to terms used in this chapter. See "Definitions", 06-096 CMR 500.3.

3. **Criteria**. The criteria in this section are used to identify the direct watersheds of lakes most at risk from new development and urban impaired streams.

   The criteria apply for both projects requiring a stormwater permit and developments requiring a Site Law permit, unless otherwise specifically stated.

   A. **Direct watershed of a lake most at risk from new development**. Lakes most at risk from new development are listed in Appendix A of this chapter. A lake is considered most at risk from new development if it meets the criteria below:

      (1) A public water supply; or

      (2) Identified by the department as being in violation of class GPA water quality standards or as particularly sensitive to eutrophication based on:

         (a) Current water quality,

         (b) Potential for internal recycling of phosphorus,

         (c) Potential as a cold water fishery,

         (d) Volume and flushing rate, or

         (e) Projected growth rate in the watershed.

      Severely blooming lakes are a subset of lakes most at risk. A severely blooming lake has a history of algal blooms, and the reduction of existing watershed phosphorus sources sufficient to eliminate those algal blooms is expected to be so difficult that the addition of new, incompletely mitigated development sources may prevent successful restoration of the lake.

   B. **Urban impaired streams.** A stream is considered impaired if it fails to meet water quality standards because of effects of stormwater runoff from developed land. Additional stormwater treatment controls are necessary in urban watersheds of impaired streams because proposed stormwater sources in urban and urbanizing areas contribute to the further degradation of stream water quality. Urban impaired streams are listed in Appendix B of this rule and include all

streams where violations of water quality classification standards have been documented for which urban stormwater has been identified as a significant cause. Urban impaired streams are considered "degraded, sensitive or threatened regions or watersheds" as described in 38 M.R.S. §420-D(4).

APPENDIX A

Lakes Most at Risk from New Development

(x) = Severely Blooming

LAKE	TOWN
ABRAMS LAKE	EASTBROOKE
ADAMS POND	BOOTHBAY
ADAMS POND	NEWFIELD
ADAMS POND	BRIDGTON
ALLEN POND	GREENE
ANASAGUNTICOOK LAKE	CANTON
ANDERSON POND	AUGUSTA
ANDROSCOGGIN LAKE	WAYNE
ANNABESSACOOK LAKE (X)	WINTHROP
BARTLETT POND	WATERBORO
BAUNEG BEG POND	SANFORD
BAY OF NAPLES	NAPLES
BEAVER POND	BRIDGTON
BERRY POND	WINTHROP
BERRY POND	GREENE
BIRCH HARBOR POND	WINTER HARBOR
BLACK POND	SWEDEN
BONNY EAGLE LAKE	BUXTON
BOULTER POND	YORK
BOYD POND	LIMINGTON
BRANCH LAKE	ELLSWORTH
BRANCH POND	CHINA
BRETTUNS POND	LIVERMORE
BUKER POND	LITCHFIELD
BUNGANUT POND	LYMAN
BURNTLAND POND	STONINGTON
CARLTON POND	WINTHROP
CHAFFIN POND	WINDHAM
CHASES POND	YORK
CHICKAWAUKIE POND	ROCKPORT
CHINA LAKE	CHINA
CITY POND	SANDY RIVER PLANTATION
COBBOSSECONTEE LAKE	WINTHROP
COCHNEWAGON LAKE	MONMOUTH
COFFEE POND	CASCO
COLD RAIN POND	NAPLES
CRAWFORD POND	WARREN
CRESCENT POND	RAYMOND
CRYSTAL LAKE	GRAY
CRYSTAL POND	TURNER
DAM POND	AUGUSTA
DAMARISCOTTA LAKE, MIDDLE AND SOUTH BASINS	NOBLEBORO
DAVIS POND	HOLDEN
DEER POND	HOLLIS
DEERING POND	SANFORD
DESERT POND	MOUNT VERNON
DEXTER POND	WINTHROP
DODGE POND	RANGELEY
DUCKPUDDLE POND	WALDOBORO
DUMPLING POND	CASCO
DUTTON POND	CHINA ALBION
EAGLE LAKE	BAR HARBOR
EAST POND	SMITHFIELD
ECHO LAKE	PRESQUE ISLE
ELL POND	SANFORD
ESTES LAKE	SANFORD
ETNA POND	STETSON
FAIRBANKS POND	MANCHESTER
FLOODS POND	OTIS
FOLLY POND	VINALHAVEN
FOREST LAKE	WINDHAM
FRESH POND	NORTH HAVEN
GARDINER POND	WISCASSET
GARLAND POND	GARLAND
GEORGES POND	FRANKLIN
GRANGER POND	DENMARK
GRANNY KENT POND	SHAPLEIGH
GRASSY POND	ROCKPORT
GREAT MOOSE LAKE	HARTLAND
GREAT POND	BELGRADE & ROME
GREAT POND	CAPE ELIZABETH
GREELEY POND	AUGUSTA
GREEN POND	OXFORD
HALEY POND	RANGELEY
HALF MOON POND	PROSPECT
HALL POND	PARIS
HANCOCK POND	EMBDEN
HATCASE POND	DEDHAM
HERMON POND	HERMON
HIGHLAND LAKE	BRIDGTON
HIGHLAND LAKE	WINDHAM
HOBBS (LT PENNESSE.)	NORWAY
HOGAN POND	OXFORD
HOLBROOK POND	HOLDEN
HOLLAND POND	LIMERICK
HORNE POND	LIMINGTON
HOSMER POND	CAMDEN
HUTCHINSON POND	MANCHESTER
INGALLS POND	BRIDGTON
INGHAM POND	MOUNT VERNON
ISINGLASS POND	LIMINGTON
JACOB BUCK POND	BUCKSPORT
JIMMIE (JAMIES) POND	MANCHESTER
JIMMY POND	LITCHFIELD
JORDAN POND	MOUNT DESERT
KENNEBUNK POND	LYMAN
KEZAR POND	WINTHROP
KILLICK POND	HOLLIS
KNICKERBOCKER POND	BOOTHBAY
KNIGHT POND	SOUTH BERWICK
LAKE AUBURN	AUBURN
LAKE GEORGE	SKOWHEGAN
LAKE WOOD	BAR HARBOR
LILLY POND	ROCKPORT

LILY POND	SIDNEY	OAKS POND	SKOWHEGAN
LILY POND	NEW GLOUCESTER	OTTER POND	BRIDGTON
LITTLE COBBOSSEE	WINTHROP	OTTER PONDS #2	STANDISH
LITTLE DUCK POND	WINDHAM	PANTHER POND	RAYMOND
LITTLE MEDOMAK POND	WALDOBORO	PAPOOSE POND	WATERFORD
LITTLE OSSIPEE	WATERBORO	PARADISE POND	DAMARISCOTTA
LITTLE POND	DAMARISCOTTA	PARKER POND	CASCO
LITTLE PURGATORY POND	MONMOUTH	PARKER POND	JAY
LITTLE SABATTUS	GREENE	PARKER POND	LYMAN
LITTLE SEBAGO LAKE	WINDHAM	PATTEE POND	WINSLOW
LITTLE TOGUS POND	AUGUSTA	PATTEN POND	HAMPDEN
LITTLE WATCHIC POND	STANDISH	PEMAQUID POND	WALDOBORO
LITTLE WILSON POND	TURNER	PENNESSEEWASSEE	NORWAY
LONG LAKE	BRIDGTON	PETINGILL POND	WINDHAM
LONG POND	BELGRADE	PLEASANT POND	TURNER
LONG POND	MOUNT DESERT	PLEASANT POND (X)	RICHMOND
LONG POND	BUCKSPORT	POVERTY POND	NEWFIELD
LONG POND	SULLIVAN	QUIMBY POND	RANGELEY
LOON POND	SABATTUS	RAYMOND POND	RAYMOND
LOON POND	LITCHFIELD	RICH MILL POND	STANDISH
LOVEJOY POND	ALBION	ROBERTS WADLEY POND	LYMAN
LOWER AND UPPER PONDS	SKOWHEGAN	ROCKY POND	ROCKPORT
LOWER HADLOCK POND	MOUNT DESERT	ROUND POND	RANGELEY
LOWER NARROWS POND	WINTHROP	RUNAROUND POND	DURHAM
LOWER RANGE POND	POLAND	SABATTUS POND (X)	GREENE
MACES POND	ROCKPORT	SABBATHDAY LAKE	NEW GLOUCESTER
MANSFIELD POND	HOPE	SALMON L (ELLIS P)	BELGRADE
MARANACOOK LAKE	WINTHROP	SALMON STREAM POND	GUILFORD
MARSHALL POND	OXFORD	SAND POND	MONMOUTH
MCGRATH POND	OAKLAND	SAND POND	LIMINGTON
MEDOMAK POND	WALDOBORO	SANDY BOTTOM POND	TURNER
MEGUNTICOOK LAKE	LINCOLNVILLE	SANDY POND	FREEDOM
MESSALONSKEE LAKE	BELGRADE	SAWYER POND	GREENVILLE
MIDDLE BRANCH POND	ALFRED	SCITUATE POND	YORK
MIDDLE RANGE POND	POLAND	SEBAGO LAKE	SEBAGO
MIRROR LAKE	ROCKPORT	SEBASTICOOK LAKE	NEWPORT
MOODY POND	LINCOLNVILLE	SECOND POND	DEDHAM
MOODY POND	WATERBORO	SEWALL POND	ARROWSIC
MOOSE HILL POND	LIVERMORE FALLS	SHAKER POND	ALFRED
MOOSE POND	OTISFIELD	SHY BEAVER POND	SHAPLEIGH
MOOSE POND	BRIDGTON	SILVER LAKE	BUCKSPORT
MOUNT BLUE POND	AVON	SPECTACLE POND	VASSALBORO
MOUSAM LAKE	SHAPLEIGH	STARBIRD POND	HARTLAND
MUD POND	WINSLOW	SWAN POND	LYMAN
MUD POND	CHINA	SWETTS POND	ORRINGTON
MUD POND	WINDSOR	SYMMES POND	NEWFIELD
MUD POND	OXFORD	TAYLOR POND	AUBURN
MUD POND	TURNER	THE BASIN	AUBURN
MURDOCK POND	BERWICK	THOMAS POND	CASCO
NEQUASSET POND	WOOLWICH	THOMPSON LAKE	OXFORD
NICHOLS POND	SWANVILLE	THREECORNERED POND	AUGUSTA
NO NAME POND	LEWISTON	THREEMILE POND (X)	WINDSOR
NOKOMIS POND	NEWPORT	TOGUS POND	AUGUSTA
NORTH POND	NORWAY	TOLMAN POND	AUGUSTA
NORTH POND	SUMNER	TOOTHAKER POND	PHILLIPS
NORTH POND	SMITHFIELD	TRAVEL POND	JEFFERSON
NORTON POND	LINCOLNVILLE	TRICKEY POND	NAPLES
NOTCHED POND	RAYMOND	TRIPP POND	POLAND
NUBBLE POND	RAYMOND		

Chapter 502: Direct Watersheds of Lakes Most at Risk from New Development, and Urban Impaired Streams

TYLER POND	MANCHESTER	WILEY POND	BOOTHBAY
UNITY POND	UNITY	WILSON POND	WAYNE
UPPER NARROWS POND	WINTHROP	WOOD POND	BRIDGTON
UPPER RANGE POND	POLAND	WOODBURY POND	MONMOUTH
WADLEY POND	LYMAN	WORTHLEY POND	POLAND
WARD POND	SIDNEY	YORK POND	ELIOT
WARDS POND	LIMINGTON	YOUNGS LAKE	WESTFIELD
WARREN POND	SOUTH BERWICK		
WASSOOKEAG LAKE	DEXTER		
WATCHIC POND	STANDISH		
WEBBER POND (X)	VASSALBORO		
WEST GARLAND POND	GARLAND		
WEST HARBOR POND	BOOTHBAY HARBOR		
WHITES POND	PALMYRA		
WHITNEY POND	OXFORD		
WHITTIER POND	ROME		

APPENDIX B

Urban impaired streams

STREAM	TOWN*
LOGAN BROOK	AUBURN
UNNAMED TRIBUTARY TO BOND BROOK (entering below I-95, drains Turnpike Mall Shopping Center)	AUGUSTA
KENNEDY BROOK	AUGUSTA
WHITNEY BROOK	AUGUSTA
PENJAJAWOC STREAM, including MEADOW BROOK	BANGOR
BIRCH STREAM (OHIO STREET)	BANGOR
CAPEHART BROOK	BANGOR
ARCTIC BROOK (VALLEY AVENUE)	BANGOR
SHAW BROOK	BANGOR, HAMPDEN
SUCKER BROOK	BANGOR, HAMPDEN
THATCHER BROOK	BIDDEFORD
MARE BROOK	BRUNSWICK
UNNAMED TRIBUTARY TO ANDROSCOGGIN RIVER (near Jordan Avenue)	BRUNSWICK
UNNAMED TRIBUTARY TO ANDROSCOGGIN RIVER (near River Road)	BRUNSWICK
UNNAMED TRIBUTARY TO ANDROSCOGGIN RIVER (near Water Street)	BRUNSWICK
CARIBOU STREAM	CARIBOU
FROST GULLY BROOK	FREEPORT
CONCORD GULLY	FREEPORT
HART BROOK	LEWISTON
JEPSON BROOK	LEWISTON
UNNAMED STREAM (Route 196)	LISBON FALLS
CAPISIC BROOK	PORTLAND
DOLE BROOK	PORTLAND
FALL BROOK	PORTLAND
NASONS BROOK	PORTLAND
GOOSEFARE BROOK	SACO
GOODALL BROOK	SANFORD
TROUT BROOK (including KIMBALL BROOK)	SOUTH PORTLAND
BARBERRY CREEK	SOUTH PORTLAND
LONG CREEK	SOUTH PORTLAND
PHILLIPS BROOK	SCARBOROUGH
RED BROOK	SCARBOROUGH , SOUTH PORTLAND

WHITTEN BROOK	SKOWHEGAN
UNNAMED TRIBUTARY TO ANDROSCOGGIN RIVER (near Topsham Fairgrounds)	TOPSHAM
UNNAMED TRIBUTARY TO ANDROSCOGGIN RIVER (draining Topsham Fair Mall area)	TOPSHAM

*Town listed provides the general location of the stream. The stream may pass through other municipalities, which are also included even If not listed in this table.

AUTHORITY: 38 M.R.S.A. §§ 341-D, 420-D, and 484

EFFECTIVE DATE: December 31, 1997
REPEALED AND REPLACED: November 16, 2005, filing 2005-418
AMENDED: December 27, 2006 , filing 2006-531
AMENDED: May 23, 2018, filing 2018-064 (Major substantive)