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.A. § 420-D, and (B) a development that may substantially affect the environment and requires a site location of development (Site Law) permit pursuant to 38 M.R.S.A. §§ 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 location of development permit, unless otherwise specifically stated.

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

(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. Impaired streams are listed in Appendix B of this rule and include all streams

listed under Category 4-A or Category 5-A in the 2004 Integrated Water Quality Monitoring and Assessment Report that have urban non-point source (NPS) indicated as a potential source.

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
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
LILY POND	NEW GLOUCESTER
LITTLE COBBOSSEE	WINTHROP
LITTLE DUCK POND	WINDHAM
LITTLE MEDOMAK POND	WALDOBORO
LITTLE OSSIPEE	WATERBORO

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

WEST HARBOR POND	BOOTHBAY HARBOR	YOUNGS LAKE	WESTFIELD
WHITES POND	PALMYRA		
WHITNEY POND	OXFORD		
WHITTIER POND	ROME		
WILEY POND	BOOTHBAY		
WILSON POND	WAYNE		
WOOD POND	BRIDGTON		
WOODBURY POND	MONMOUTH		
WORTHLEY POND	POLAND		
YORK POND	ELIOT		

APPENDIX B

Urban impaired streams

STREAM	TOWN
LOGAN BROOK	AUBURN
UNNAMED TRIBUTARY TO BOND BROOK (entering below I-95)	AUGUSTA
PENJAJAWOC STREAM, including MEADOW BROOK	BANGOR
BIRCH STREAM (OHIO STREET)	BANGOR
UNNAMED BROOK (PUSHAW ROAD)	BANGOR
ARCTIC BROOK (VALLEY AVENUE)	BANGOR
SHAW BROOK	BANGOR, HAMPDEN
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
DILL BROOK	LEWISTON
JEPSON BROOK	LEWISTON
BROWN BROOK	LIMERICK
MATTANAWCOOK STREAM	LINCOLN
UNNAMED STREAM (Route 196)	LISBON FALLS
CAPISIC BROOK	PORTLAND
FALL BROOK	PORTLAND
NASONS BROOK	PORTLAND
GOOSEFARE BROOK	SACO
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 Fair Mall)	TOPSHAM
MILL STREAM	WINTHROP

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