

**MATANUSKA-SUSITNA BOROUGH**  
**Waterbody Setback Advisory Board**

350 E Dahlia Ave., Palmer, Alaska 99645

**CHAIRPERSON**

Bill Kendig

**VICE CHAIR**

C.J. Koan

**MSB STAFF**

Alex Strawn

**Clerk**

Lacie Olivieri



**BOARD MEMBERS**

Carl Brent

Jeanette Perdue

Tim Alley

Bill Klebesadel

Bill Haller

Matthew LaCroix

Kendra Zamzow

**Regular Meeting**

September 4, 2024

Meeting Packet - Table of Contents

**Pg. = Item:**

- 1 = Agenda
- 3 = Draft Ordinance from 8/27/24
- 33 = Draft Resolution

**Physical Location of Meeting:** Lower Level Conference Room, DSJ Bldg, 350 E. Dahlia Ave., Palmer

**Remote Participation:** See attached agenda on p. 1

**Planning and Land Use Department - Planning Division**

<http://www.matsugov.us> • [planning@matsugov.us](mailto:planning@matsugov.us)



# MATANUSKA-SUSITNA BOROUGH

## Planning and Land Use Department

350 East Dahlia Avenue • Palmer, AK 99645

Phone (907) 861-7822 • [www.matsugov.us](http://www.matsugov.us)

## WATERBODY SETBACK ADVISORY BOARD AGENDA

Edna DeVries, Mayor

Michael Brown, Borough Manager

CJ Koan, (Vice-Chair) Planning Commission  
Kendra Zamzow, MSB Fish and Wildlife  
Matthew LaCroix, Mat-Su Salmon Habitat Partnership  
Tim Alley, Design & Construct Stormwater Abatement Background  
Bill Klebesadel, Design & Construct Stormwater Abatement Background  
William Haller, Home Builder, Lending, Real Estate Background  
Carl Brent, At-Large  
Bill Kendig (Chair), At-Large  
Jeanette Perdue, At-Large

PLANNING & LAND USE DEPARTMENT  
Alex Strawn, Planning & Land Use Director  
Maija DiSalvo, Planning Services Manager  
Jason Ortiz, Development Services Manager  
Fred Wagner, Platting Officer

Location:

*Lower Level Conference Room of the  
Dorothy Swanda Jones Building  
350 E. Dahlia Avenue, Palmer*

Support Staff: Alex Strawn, Planning & Land Use Director

**REGULAR MEETING**

**6:00 P.M.**

**September 4, 2024**

### Ways to participate in the meeting:

IN PERSON: You will have 3 minutes to state your oral comment.

IN WRITING: You can submit written comments to Alex Strawn at [Alex.strawn@matsugov.us](mailto:Alex.strawn@matsugov.us) and Lacie Olivieri at [Lacie.olivieri@matsugov.us](mailto:Lacie.olivieri@matsugov.us). Written comments are due at noon on Friday prior to the meeting.

### REMOTE PARTICIPATION VIA MICROSOFT TEAMS:

Meeting ID: 259 415 284 592

Passcode: X2BNQv

Or

Dial in by phone: 907-290-7880

Phone conference ID: 890 545 036#

I. CALL TO ORDER, ROLL CALL, AND DETERMINATION OF QUORUM

II. APPROVAL OF AGENDA



III. PLEDGE OF ALLEGIANCE

IV. AUDIENCE PARTICIPATION (*three minutes per person for items not scheduled for public hearing*)

V. ITEMS OF BUSINESS

A. **Draft Ordinance** - AN ORDINANCE OF THE MATANUSKA-SUSITNA BOROUGH ASSEMBLY AMENDING MSB 17.55 TO ALLOW STRUCTURES TO BE CONSTRUCTED WITHIN 75 FEET OF A WATERBODY, SO LONG AS CERTAIN ENGINEERING STANDARDS TO PROTECT WATER QUALITY ARE APPLIED.

B. **Draft Resolution** - A RESOLUTION OF THE MATANUSKA-SUSITNA BOROUGH WATERBODY SETBACK ADVISORY BOARD RECOMMENDING CHANGES TO MSB 17.55 – SETBACK AND SCREENING EASEMENTS, MSB 17.02 – MANDATORY LAND USE PERMIT, AND MSB 17.65 - VARIANCES.

VI. BOARD MEMBER COMMENTS

VII. ADJOURNMENT



CODE ORDINANCE

DRAFT 9/4/2024

Sponsored by:  
Introduced:  
Public Hearing:  
Action:

**MATANUSKA-SUSITNA BOROUGH**  
ORDINANCE SERIAL NO. Choose an item. \_\_\_\_

AN ORDINANCE OF THE MATANUSKA-SUSITNA BOROUGH ASSEMBLY AMENDING MSB 17.55 - SETBACK AND SCREENING EASEMENTS AND MSB 17.02 MANDATORY LAND USE PERMIT.

BE IT ENACTED:

WHEREAS, the intent and rationale of this ordinance are found in the accompanying Information Memorandum No. 24-XX.

Section 1. Classification. This ordinance is of a general and permanent nature and shall become a part of the Borough Code.

Section 2. Amendment of chapter. MSB 17.55 is hereby amended to read as follows:

CHAPTER 17.55: SETBACKS [AND SCREENING EASEMENTS]

Section

- 17.55.004 DEFINITIONS
- 17.55.005 [GENERAL] PURPOSE AND INTENT
- 17.55.010 SETBACKS FROM RIGHT OF WAY AND LOT LINES
- 17.55.015 SHORELANDS; DEFINITION [REPEALED]
- 17.55.016 WATERBODY SETBACKS FOR POLLUTION SOURCES**
- 17.55.020 WATERBODY SETBACKS FOR [SHORELANDS] STRUCTURES
- 17.55.025 EXISTING STRUCTURES WITHIN 75 FEET OF A WATERBODY**
- 17.55.040 VIOLATIONS, ENFORCEMENT, AND PENALTIES

**17.55.004 DEFINITIONS.**

(A) For the purpose of this chapter, the following

definitions shall apply unless the context clearly indicates or requires a different meaning.

- "Aircraft hangar" means a roofed structure which is used to completely or partially enclose and store aircraft and aircraft accessories.

- "Boathouse" means a roofed structure which is used to completely or partially enclose and store boats and boating accessories..

- "Animal waste facilities" means any area or structure used to store, compost, or dispose of animal manure, animal byproducts, an animal carcass, or fish waste. The term does not include a dumpster or other closed container provided by a waste service provider.

- "Building" means any structure intended for the shelter, housing, or enclosure of any individual, animal, process, equipment, goods, or materials of any kind or nature.

- "Building line" means the line of that part of the building nearest the property line.

- "Cleared area" means an area where existing vegetative cover and surficial soil layers, including organic matter or duff, is removed or

altered by ground-disturbing activities including mechanized land clearing, grading, contouring, and fill placement.

• "Dedication" means the reservation of land to a public use by the owner manifesting the intention that it shall be accepted and used presently or in the future for such public purpose. A dedication by the owner under the terms of this section is a conveyance of an interest in property which shall be deemed to include the warranties of title listed in A.S. 34.15.030. The dedication of streets, alleys, sidewalks, or public open space shall convey a fee interest in the area dedicated. The dedication of all other public rights-of-way shall be deemed to create an easement in gross to perform the indicated function in the area depicted.

• "Engineer" means a registered professional civil engineer authorized to practice engineering in the state of Alaska.

• "Impervious area/surface" means the area of the subject site covered by impenetrable materials. This surface has been compacted or covered with a layer of material so that it is highly resistant to

Commented [AS1]: Definition of impervious surface already in ASB 17.125



infiltration by water.

• "Incidental" means subordinate and minor in significance and bearing a reasonable relationship to the primary use.

• "Kennel" means any premises or facility used for breeding, buying, selling, keeping, or boarding five or more dogs over the age of six months, whether for profit or not.

• "Lake" means a standing body of open water that occurs in a natural depression fed by one or more streams from which a stream may flow, that occurs due to the widening or natural blockage or cutoff of a river or stream, or that occurs in an isolated natural depression that is not a part of a surface river or stream. The term also includes artificial waterbodies created by excavation, as well as artificial blocking or restriction of the flow of a river, stream, or tidal area (e.g. by a dam).

• "Lot" means the least fractional part of subdivided lands having limited fixed boundaries and having an assigned number, or other name through which it may be identified.

Commented [AS2]: Addition of definition per Kendra Zamzow.

Commented [AS3]: Motion to add definition of Kennel approved

• "Lot depth" means the average distance between front and rear lot lines.

• "Lot frontage" means all property abutting the right-of-way of a dedicated street or road easement, measured along the right-of-way between side lot lines of a lot.

• "Lot width" means the average distance between side lot lines.

• "Ordinary high water mark" means the mark made by the action of water under natural conditions on the shore or bank of a body of water which action has been so common and usual that it has created a difference between the character of the vegetation or soil on one side of the mark and character of the vegetation and soil on the other side of the mark.

• "Parcel" means an unsubdivided plot of land.

• **"Private pond" means a natural or constructed waterbody less than five acres in size that lacks a surface connection to other waterbodies and is located entirely on property with a single owner.**

• **"Qualified professional" means a professional civil engineer or other professional registered**

Commented [A54]: Motion to approve definition of parking area lot withdrawn

Commented [A55]: Motion to add approved

with the state of Alaska under Alaska Statute 08.48  
qualified to practice the type of work required by  
this chapter.

- "Right-of-way" means a strip of land reserved, used, or to be used for a street, alley, walkway, airport, or other public or private purpose.

- "Riparian buffer" and "vegetated buffer" both mean an area of undisturbed native vegetation.

- "Runoff pollution mitigation measure" means any combination of bioswales, rain gardens, riparian buffers, filter strips, or other features designed and intended to treat and/or retain stormwater runoff associated with a development.

- "Secondary containment" means an impermeable diked area or portable impermeable container capable of providing storage capacity for materials which may leak due to the failure, overflowing or improper draining of the primary storage container. Double-walled tanks do not qualify as secondary containment.

- "Stormwater runoff" means any surface flow consisting entirely of water from precipitation including from the melting of ice and snow. Runoff

occurs when the water volume or surface gradient overcome the infiltrative capacity of the surface.

Commented [A56]: Motion to delete failed

• "Structure" means anything that is constructed or created and located on or above the ground, or attached to something fixed to the ground. For purposes of minimum setbacks and building separation requirements, the following are not considered structures unless specifically addressed by code: signs; fences; retaining walls; parking areas; roads, driveways, or walkways; window awnings; a temporary building when used for 30 days or less; utility boxes and other incidental structures related to utility services; utility poles and lines; guy wires; clotheslines; flagpoles; planters; incidental yard furnishings; water wells; monitoring wells; and/or tubes, patios, decks, or steps less than 18 inches above average grade.

• "Subdivision" means the division of a tract or parcel of land into two or more lots, sites, or other divisions, or the combining of two or more lots, tracts, or parcels into one lot, tract, or parcel for the purpose, whether immediate or

future, of sale or lease for more than ten years, including any resubdivision and when appropriate to the context, the process of subdividing or the land actually subdivided.

- "Surveyor" means a professional land surveyor who is registered in the state of Alaska.

- "Utility box" means electric transformers, switch boxes, telephone pedestals and telephone boxes, cable television boxes, traffic control boxes, and similar devices.

- "Treat and retain" means to manage stormwater on the parcel through any combination of detention, retention, infiltration, evapotranspiration, or other treatment methods to mitigate a discharge of stormwater runoff to a water body or adjacent parcel.

- "Utility services" means the generation, transmission, or distribution of electricity, gas, communications, and municipal water and sewer systems.

- "Water-dependent accessory structure" means a structure necessary to support access to or use of the water (e.g., a shed used to store boating

**Commented [AS7]:** Motion to add definition of "Treat and Retain" as defined by Matt L. 9 of 59 with secondary amendment to add "or to adjacent parcel." Secondary amendment was approved. Next secondary amendment "motion to amend to add "or other treatment methods" and to replace "prevent" with "mitigate". Main motion as amended is approved.

**Commented [AS8]:** Motion to add definition of Water-dependent accessory structure as defined by Matt L. on 9 of 59. Secondary amendment to remove "Water-dependant accessory structures shall not exceed 400 square feet in size." secondary amendment is approved. Main motion carries as amended.

**Commented [AS9]:** Motion to approve definitions for riparian buffer, runoff pollution mitigation measure, and secondary containment as proposed by Matt L. approved

**Commented [AS10R9]:** Motion to remove "except that dead, diseased, or dying trees may be removed approved

accessories) or waterfront (e.g., a gazebo).

17.55.005 [GENERAL] PURPOSE AND INTENT.

(A) [THIS] The purpose of this chapter is to establish [ES] minimum structural setbacks from lot lines, [WATER COURSES AND] water bodies, and rights-of-way [, AND SPECIFIC SCREENING EASEMENTS FOR CERTAIN LANDS WITHIN SUBDIVISIONS] in the Matanuska-Susitna Borough except where otherwise specified in special land use district regulations within this title.

(1) Setbacks provide for light and air, fire protection, traffic safety, preservation of privacy, stormwater management, space for utility lines, and uphold neighborhood aesthetics; and

(2) Setbacks along flowing waters minimize risks to structures from lateral channel migration and flooding.

(B) The primary purpose of 17.55.016 to 17.55.020 is to protect human health, aquatic and riparian habitat, the ecologic function of waterbodies, the local economy and property values, recreation, viewshed, and quality of life.

(1) These sections establish requirements related to the development and management of lands

Commented [AS11]: Delete (B) per Kendra Zamzow

Commented [AS12]: Wording cleanup per Kendra Zamzow

Commented [AS13]: Motion to make changes as displayed. Secondary motion: Add language proposed by Matt L. on 10 of 59 regarding riparian buffers. Secondary motion failed. Main Motion

Commented [AS14]: Paragraph streamlined per Kendra Zamzow

Commented [AS15]: Paragraph added per Kendra Zamzow

Commented [AS16]: Motin to add 1 and 2 as amended in this document passed without objection

Commented [AS17]: Motion to approve this amendment approved.

adjacent to waterbodies.

Commented [AS18]: Subsection modified per Kendra Zanzow

(2) Standards will reduce and minimize the discharge of pollutants to waterbodies via surface runoff and subsurface leaching.

Commented [AS19]: Paragraph added per Kendra Zanzow

**17.55.010 SETBACKS FROM RIGHTS-OF-WAY AND LOT LINES.**

Commented [AS20]: Motion to approve change approved.

(A) No structure or building line shall be placed within 25 feet from the right-of-way line of any public right-of-way, except no furthestmost protruding portion of any structure shall be placed within ten feet from the right-of-way line of any public right-of-way when the pre-existing lot:

(1) measures 60 feet or less in frontage on a public right-of-way, and is not located on a cul-de-sac bulb; or

(2) comprises a nonconforming structure erected prior to July 3, 1973. This setback shall be known as the structure or building line setback.

(B) Except where specifically provided otherwise by ordinance, no furthestmost protruding portion of any structure or building line shall be located nearer than ten feet from any side or rear lot line.

(C) Except as otherwise specified by code, eaves may project a maximum of three feet into required setback

areas.

(D) The setback requirements of this section do not apply to property within the cities of Palmer and Wasilla.

(E) If a condemnation by a governmental agency reduces the building line setback of a structure below 25 feet, but there remains at least ten feet setback, and the setback reduced by the condemnation met the requirements of this section prior to the condemnation, the resulting setback shall be the setback requirements for the lot.

(F) For purposes of this chapter, commercial or industrial buildings on separate but adjacent parcels, which otherwise meet the setback requirements, may have connecting pedestrian walkways, enclosed or not. Pedestrian walkways:

(1) shall not contribute to the building area or the number of stories or height of connected buildings; and

(2) must comply with the current adopted edition of the International Building Code, except that the outside width of the walkway shall not exceed 30 feet in width, exclusive of eaves.



(G) No furthestmost protruding portion of any structure or building line shall be located nearer than ten feet from railroad rights-of-way, except that utilities and rail dependent structures may extend up to railroad rights-of-way.

**17.55.016 WATERBODY SETBACKS FOR POLLUTION SOURCES**

**(A) No part of a subsurface sewage disposal system shall be closer than 100 feet from the ordinary high water mark of any body of water.**

**(B) Kennels, stables, animal yards and animal waste facilities shall not be located closer than 100 feet from the ordinary high water mark of any water body. Drainage from kennels, stables, animal yards and animal waste facilities shall not be concentrated and directed (e.g., such as by a ditch) towards a water body.**

**(1) This setback shall not apply to private ponds.**

**(C) All liquid hazardous substances, including petroleum fuels, oils, and lubricants, located or stored closer than 75 feet from the ordinary high water mark of any water body shall include the following measures to minimize the risk of spills:**

Commented [AS21]: Cannot find where these are defined?

Commented [AS22]: Modified per Kendra Zamzow. Recommend discussing and defining waste facility.

Commented [AS23]: Motion to accept changes to A and B as written. Secondary motion: remove language about Planning Commission (second sentence in A). Secondary motion is approved. Next secondary amendment: change wording to be consistent with definition to be "kennels, stables, animal yards, and animal waste facilities shall not be located." Language will be replaced in beginning and end of definition. Secondary amendment is approved. Main motion is approved.

Commented [AS24]: Modified per Kendra Zamzow.

(1) Gravity-fed or other fuel delivery systems with the potential for a full-volume leak shall have secondary containment equal to 110 percent of the storage volume. All piping and valves shall be within secondary containment.

Commented [AS25]: Paragraph modified per Kendra Zamzow

(2) Pump-activated fuel-delivery systems where the potential spill volume is limited shall have drip collection.

Commented [AS26]: Change per Kendra Zamzow

(3) The owners of pre-existing fixed storage facilities for petroleum fuels and other liquid hazardous substances (e.g., home heating oil tanks) shall be allowed five years from the effective date of this section to fully comply with the secondary containment requirement.

Commented [AS27]: Changed from subsection to paragraph per Kendra Zamzow

(D) The application of fertilizers and herbicides is prohibited within 25 feet of a waterbody.

Commented [AS28]: Motion to adopt changes to C 1-3. Secondary motion to change three years to five years in paragraph 3. The primary amendment passed. Next primary amendment: do not strike "liquid hazardous substances, including" primary amendment passed. New primary amendment: add (i) will include sentence "All piping and valves shall be within secondary containment" as indicated by Matt L. p. 14 of 59. Primary amendment passed. Main motion as amended passed.

**17.55.020 WATERBODY SETBACKS FOR [SHORELANDS] STRUCTURES.**

Commented [AS29]: New subsection per Kendra Zamzow

(A) Except as provided in subsection (B) of this section, and 17.55.030, no structure or footing shall be located closer than 75 feet from the ordinary high water mark of a body of water. [EXCEPT AS PROVIDED OTHERWISE, E]Eaves may project three feet into the required setback area.

Commented [AS30]: Motion to approve (D). Primary amendment: remove "unless specifically authorized under other sections of MSB code." primary amendment is passed. Main motion Passed.

(B) Docks, piers, marinas, aircraft hangars, boathouses and water-dependent accessory structures may be located closer than 75 feet and over the water, provided they [ARE NOT USED FOR HABITATION AND DO NOT CONTAIN SANITARY OR PETROLEUM FUEL STORAGE FACILITIES. STRUCTURES PERMITTED OVER WATER UNDER THIS SUBSECTION SHALL CONFORM TO ALL APPLICABLE STATE AND FEDERAL STATUTES AND REGULATIONS] meet all applicable regulatory standards and receive prior authorization via land use permit in accordance with MSB 17.02.

(1) A permit in accordance with MSB 17.02 is required prior to construction or placement of any building or structure, or any ground-disturbing activity that includes mechanized land clearing, grading, contouring, or placing fill within 75 feet of the ordinary high water mark of any waterbody.

([1]2) Boathouses or aircraft hangars which are exempt from a minimum shoreline setback for structures shall:

(a) be built over, in, or immediately adjacent to a waterbody and used solely for storing boats and boating accessories;

(b) be designed, constructed and oriented

Commented [AS31]: Motion to adopt changes suggested by Matt L. on 16 of 59. Motion is approved.

Commented [AS32]: Motion to approve changes suggested by Matt L. page 16 of 59. Main motion passed.

Commented [AS33]: Motion to approve change by on 16 of 59. Motion postponed to next meeting so Alex can discuss borough powers with attorney and report back at next meeting.

for primary access by boats or aircraft directly to a waterbody;

(c) not have more than incidental accessory access to a street or driveway; and

(d) not be usable as a garage or habitable structure without significant alteration.

[(C) IN THE CITY OF WASILLA, THIS SECTION DOES NOT APPLY TO STRUCTURES WHERE CONSTRUCTION WAS COMPLETED PRIOR TO NOVEMBER 16, 1982. ELSEWHERE IN THE BOROUGH, THIS SECTION DOES NOT APPLY TO STRUCTURES WHERE CONSTRUCTION WAS COMPLETED PRIOR TO JANUARY 1, 1987, IF THE PRESENT OWNER OR OWNERS OF THE PROPERTY HAD NO PERSONAL KNOWLEDGE OF ANY VIOLATION OF THE REQUIREMENTS OF THIS SECTION PRIOR TO SUBSTANTIAL COMPLETION OF THE STRUCTURES. THE DIRECTOR OF THE PLANNING DEPARTMENT SHALL, UPON APPLICATION BY A PROPERTY OWNER, DETERMINE WHETHER A PROPERTY QUALIFIES FOR AN EXCEPTION UNDER THIS SUBSECTION.

(1) AN APPLICATION FOR A SHORELINE SETBACK EXCEPTION SHALL INCLUDE A FILING FEE AS ESTABLISHED BY RESOLUTION OF THE ASSEMBLY.

(D) IN THIS SECTION, A "STRUCTURE" IS ANY DWELLING OR HABITABLE BUILDING OR GARAGE.

(E) NO PART OF A SUBSURFACE SEWAGE DISPOSAL SYSTEM SHALL BE CLOSER THAN 100 FEET FROM THE ORDINARY HIGH WATER MARK OF ANY BODY OF WATER. THE PLANNING COMMISSION SHALL REQUIRE THIS DISTANCE BE INCREASED WHERE NECESSARY TO PROTECT WATERS WITHIN THE BOROUGH.]

(C) Variances.

(1) No variances from the waterbody setback will be granted for structures within 45 feet of a waterbody.

(2) Applications for a waterbody setback variance must demonstrate that they comply with MSB 17.55.030 and MSB 17.55.016.

17.55.025 EXISTING STRUCTURES WITHIN 75 FEET OF A WATERBODY

(A) All structures that were constructed prior to adoption of the setback requirement on July 3, 1973, and have not subsequently been enlarged or altered, are legal nonconforming pursuant to MSB 17.80.020 (A) (1) .

(B) Non-habitable structures that were constructed between September 16, 1988 and the effective date of this section are legal nonconforming pursuant to MSB 17.80.020 (A) (1) .

(C) Structures that were completed between July 3,

Commented [AS34]: New variance section added per Kendra Zamzow. Recommend moving to MSB 17.65



1973, and January 1, 1987, and have not subsequently been enlarged or altered, that are located between 45 and 75 feet from the ordinary high water mark of a water body are legal nonconforming status pursuant to MSB 17.80.020 (A) (2) .

(D) Structures that were constructed between 45 and 75 feet of the ordinary high water mark of a lake between January 1, 1987, and the effective date of this section may be granted legal nonconforming status upon issuance of a mandatory land use permit in accordance with MSB 17.02.

17.55.030 STANDARDS FOR DEVELOPMENT WITHIN 75 FEET OF A WATERBODY

(A) A permit in accordance with MSB 17.02 is required prior to:

(1) Any ground-disturbing activity that includes mechanized land clearing, grading, contouring, or placement of fill.

(2) construction or placement of any building within 75 feet of any waterbody.

**Commented [AS35]:** Recommended deletion by Kendra Zamzow

**Commented [AS36]:** Entire section moved from MSB 17.02 to 17.55 per Kendra Zamzow

**Commented [AS37]:** Modified to only include mechanized clearing

(B) The director may issue a land use permit for development within the 75-foot waterbody setback only upon finding that the development meets the following standards:

(1) Impervious surfaces will not exceed 20% of the area within the 75-foot setback;

(2) A riparian buffer is maintained in accordance with 17.55.030 (C); and

(3) Design demonstrates compliance with the provisions of MSB 17.55.016.

(C) Riparian buffer. Natural vegetation along waterbodies controls erosion and bank stability, provides fish and wildlife habitat, moderates temperature, enhances scenic beauty, and is the preferred method for reducing pollution from runoff.

(1) Within 25 feet of the shoreline, 50% of the area shall be retained as an undisturbed riparian buffer except for pruning for vegetation health and the removal of dead, diseased, or fallen trees. Removal of tree root masses within the riparian buffer is prohibited.

(D) For structures seeking nonconforming status in accordance with MSB 17.80.020 (B) (4), the additional following apply:

(1) runoff pollution mitigation measures shall

Commented [A538]: Recommend delete per Bill Haller

Commented [A539]: Recommend delete per Bill Haller

Commented [A540]: Check reference



be designed and installed under the supervision of a qualified professional.

(a) Runoff pollution mitigation measures include any combination of bio-swales, rain gardens, riparian buffers, flow barriers, filter strips, or other features adequate to treat and retain all stormwater or snowmelt runoff associated with a development. The use of native vegetative buffers is the preferred runoff pollution mitigation measure. Where practicable, the land use permit shall require the establishment and retention of native vegetation.

(b) landowners are responsible for maintenance of approved runoff pollution mitigation measures specified in their permit

(2) applications shall include information sufficient to demonstrate the following:

(a) existing and proposed drainage patterns to and from the parcel, known drainage problems such as flooding or erosion, and potential pollutant sources from current or proposed land use that may add pollutants to stormwater runoff;

(b) plans and specifications for proposed runoff pollution mitigation measures, including for

**Commented [AS41]:** General comment: be sure to be specific about which standards apply generally and which standards apply only to LUP



necessary maintenance, with sufficient detail to support an engineering review;

(c) plans and specifications for infiltrative methods shall identify soil type and depth to the seasonal high water table; infiltrative methods require a minimum 2 feet from the bottom of any basin or swale to the seasonal high water table; and

(d) site-specific analyses indicating that the required vegetated buffer and proposed runoff pollution mitigation measures will effectively treat and retain all stormwater runoff from the parcel.

(3) engineered plans and specifications shall be submitted for an engineering review;

(4) the development shall be designed and constructed in accordance with MSB 17.55.016 and local, state, and federal laws;

(5) upon completion of the project, an asbuilt survey shall be submitted showing the location of all pertinent structures and features associated with the development.

17.55.035 WATER BODY HABITAT PROTECTION TAX CREDIT

(A) Consistent with AS 29.45.046, the borough may grant a credit to offset a portion of property taxes due

Commented [A542]: Moved per Kendra Zanzow.

on land upon which an improvement has been constructed that aids in

(1) protecting a river from degradation of fish habitat due to public or private use; or

(2) restoring riparian fish habitat along or in a river that has been damaged by land use practices.

Commented [AS43]: Added per Kendra Zamzow

**17.55.040 VIOLATIONS, ENFORCEMENT, AND PENALTIES.**

(A) Except as otherwise specified in this chapter violations of this chapter are infractions.

(B) Remedies, enforcement actions, and penalties shall be consistent with the terms and provisions of MSB 1.45.

Section 3. Amendment of Section. MSB 17.80.020 is hereby amended as follows:

17.80.020 LEGAL NONCONFORMING STRUCTURES

(A) The following structures qualify as legal nonconforming structures without an administrative determination, however, an administrative determination may be issued if requested by the property owner:

(1) structures built lawfully and made nonconforming by adoption of subsequent ordinances;



(a) all structures that were constructed prior to adoption of the setback requirement on July 3, 1973, and have not subsequently been enlarged or altered are legal nonconforming.

(b) Non-habitable structures that were constructed between September 16, 1988 and the effective date of this section are legal nonconforming.

(2) structures built in violation of the ordinance existing at the time of construction, then made legal by adoption of subsequent ordinance, and later made nonconforming by adoption of subsequent ordinances;

(3) permanent structures which were constructed lawfully after the date of adoption of the Acknowledgement of Existing Regulations, Chapter 17.01, but which were made unlawful after the date of start of construction due to adoption of subsequent regulations.

(a) Structures that were completed between July 3, 1973, and January 1, 1987, and have not subsequently been enlarged or altered, that are located between 45 and 75 feet from the ordinary high water mark of a water body are legal nonconforming status

(B) The following structures require an

administrative determination in order to be granted legal nonconforming status;

(1) structures granted a variance in accordance with Chapter 17.65;

[(2) STRUCTURES BUILT IN VIOLATION OF SHORELINE SETBACK ORDINANCES EXISTING AT THE TIME OF CONSTRUCTION, AND SUBSEQUENTLY GRANTED AN EXEMPTION FROM SHORELINE SETBACKS IN ACCORDANCE WITH MSB 17.55.020(C);]

(3) permanent structures built in violation of ordinances existing at the time of construction, and subsequently granted legal nonconforming status in accordance with MSB 17.80.070.

(4) Structures that were constructed between 45 and 75 feet of the ordinary high water mark of a lake between January 1, 1987, and the effective date of this section may be granted legal nonconforming status upon issuance of a mandatory land use permit in accordance with MSB 17.02.

~~Section 4. Adoption of Paragraph. MSB 17.02.020(A)(6) is hereby amended as follows:~~

~~(6) construction or placement of any building, structure, or any ground-disturbing activity that includes mechanized land clearing, grading, contouring, or placing fill within 75 feet of any water body[;].~~Section 4. Amendment of Paragraph. MSB

17.02.020(A)(6) is hereby amended as follows:

(6) construction or placement of any building, structure, or any ground-disturbing activity that includes mechanized land clearing, grading, contouring, or placement of fill within 75 feet of any water body[;].

Section 5. Amendment of Subparagraph. MSB 17.02.030(B)(2)(a) is hereby amended as follows:

(a) site plans are not required to be certified but shall clearly identify the following:

- (i) north arrow;
- (ii) boundaries of parcel;
- (iii) size, location, and setback dimensions of proposed structures;
- (iv) names and location of adjacent roadways;



(v) location of rights-of-way and public easements within and adjacent to the parcel;

(vi) location and name of adjacent water bodies;

(vii) location of subsurface sewage disposal systems; [AND]

(viii) intended use of proposed structures[.]

(ix) existing cleared areas, structures, and other impervious surfaces; and

(x) any areas of proposed ground disturbance.

~~Section 4. Adoption of Paragraph. MSB 17.02.020(A)(6) is hereby amended as follows:~~

~~(6) construction or placement of any building, structure, or any ground-disturbing activity that includes mechanized land clearing, grading, contouring, or placing fill within 75 feet of any watercourse or water body[;].~~

~~Section 5. Amendment of Subparagraph. MSB 17.02.030(B)(2)(a) is hereby amended as follows:~~

~~(a) site plans are not required to be~~

certified but shall clearly identify the following:

- ~~(i) north arrow;~~
- ~~(ii) boundaries of parcel;~~
- ~~(iii) size, location, and setback dimensions of proposed structures;~~
- ~~(iv) names and location of adjacent roadways;~~
- ~~(v) location of rights-of-way and public easements within and adjacent to the parcel;~~
- ~~(vi) location and name of adjacent water bodies;~~
- ~~(vii) location of subsurface sewage disposal systems; [AND]~~
- ~~(viii) intended use of proposed structures[.]~~
- (ix) existing cleared areas, structures, and other impervious surfaces; and
- (x) any areas of proposed ground disturbance.

Section 5. ~~Adoption of Section. MSB 17.02.035 is hereby adopted as follows:~~

17.02.035 STANDARDS FOR DEVELOPMENT WITHIN 75 FEET OF A

WATERBODY

~~(A) The director may issue a land use permit only upon finding that the development meets the following standards:~~

~~(1) 50% of the area within 25 feet of the shoreline of a waterbody shall be retained as a riparian buffer;~~

~~(a) the riparian buffer area shall be left undisturbed except for the following:~~

~~(i) pruning for vegetation health~~

~~(ii) removal of dead, diseased, or fallen trees, and~~

~~(iii) minimal vegetation pruning in order to open up viewsheds.~~

~~(b) removal of tree root masses are prohibited within the riparian buffer area.~~

~~(2) impervious surfaces within 75 feet of a waterbody may not exceed 20%;~~

~~(3) unless specifically authorized under other sections of MSB code, the following activities are prohibited within 25 feet of a waterbody:~~

~~(a) storage or discharge of solid or liquid waste, including debris, animal, and yard wastes;~~

Commented [A544]: Paragraph 1 removed per the suggestion of Bill Haller



~~(b) stockpiling and storage of snow; and~~  
~~(c) the application of fertilizers or herbicides.~~

~~(B) For structures seeking nonconforming status in accordance with MSB 17.80.020(B)(4), the additional following apply:~~

~~(1) runoff pollution mitigation measures shall be designed and installed under the supervision of a qualified professional. Runoff pollution mitigation measures include any combination of bio-swales, rain gardens, riparian buffers, flow barriers, filter strips, or other features adequate to treat and retain all stormwater or snowmelt runoff associated with a development.~~

~~(2) applications shall include information sufficient to demonstrate the following:~~

~~(a) existing and proposed drainage patterns to and from the parcel, known drainage problems such as flooding or erosion, and potential pollutant sources from current or proposed land use that may add pollutants to stormwater runoff;~~

~~(b) plans and specifications for proposed runoff pollution mitigation measures, including for~~

**Commented [A545]:** General comment: be sure to be specific about which standards apply generally and which standards apply only to LUP

~~necessary maintenance, with sufficient detail to support an engineering review;~~

~~(c) plans and specifications for infiltrative methods shall identify soil type and depth to the seasonal high water table; and~~

~~(d) site-specific analyses indicating that the required vegetated buffer and proposed runoff pollution mitigation measures will effectively treat and retain all stormwater runoff from the parcel.~~

~~(3) The use of native vegetative buffers is the preferred runoff pollution mitigation measure;~~

~~(4) Where practicable, the land use permit shall require the establishment and retention of native vegetation;~~

~~(5) infiltrative methods require a minimum 2 feet from the bottom of any basin or swale to the seasonal high water table;~~

~~(6) design shall demonstrate compliance with the provisions of MSB 17.55.016;~~

~~(7) engineered plans and specifications shall be submitted for an engineering review;~~

~~(8) the development shall be designed and constructed in accordance with local, state, and federal~~

Commented [A546]: This may change

laws;

~~(9) upon completion of the project, an asbuilt survey shall be submitted showing the location of all pertinent structures and features associated with the development; and~~

~~(10) landowners are responsible for maintenance of approved runoff pollution mitigation measures specified in their permit as long as the structure permitted under this subsection remains within 75 feet of a lake.~~

Section ~~36~~. Effective date. This ordinance shall take effect upon adoption.

ADOPTED by the Matanuska-Susitna Borough Assembly this - day of -, 2024.

\_\_\_\_\_  
EDNA DeVRIES, Borough Mayor

ATTEST:

\_\_\_\_\_  
LONNIE R. McKECHNIE, CMC, Borough Clerk

(SEAL)



Action:

**MATANUSKA-SUSITNA BOROUGH  
WATERBODY SETBACK ADVISORY BOARD  
RESOLUTION SERIAL NO. 24-01**

A RESOLUTION OF THE MATANUSKA-SUSITNA BOROUGH WATERBODY SETBACK ADVISORY BOARD RECOMMENDING CHANGES TO MSB 17.55 - SETBACK AND SCREENING EASEMENTS, MSB 17.02 - MANDATORY LAND USE PERMIT, AND MSB 17.65 - VARIANCES.

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WHEREAS, the Matanuska-Susitna Borough Assembly established the Waterbody Setback Advisory Board through IM No. 23-175 and Ordinance No. 23-175 on 8/15/2023 to review and recommend any changes to the Borough code relating to waterbody setbacks and related issues. These related issues should include variances/non-conformities, how to deal with structures built in violation of the 1973 and 1987 ordinances, possible remedies for structures in violation, and any other issues the Board believes are pertinent. To the extent possible, the Advisory Board is required to identify possible solutions, identify ways to enforce and implement those solutions and identify resources needed to implement and enforce those solutions; and

WHEREAS, the preservation and protection of our natural water bodies are recognized as essential for the sustainability of ecological balance, ensuring public safety, enhancing the beauty of our community, the conservation of viewsheds, enriching the quality of life, safeguarding community characteristics, and

upholding property values. These water bodies serve as critical habitats for diverse flora and fauna, contribute to local biodiversity, support recreational activities, and play a crucial role in the broader ecosystem services that benefit both residents and wildlife alike; and

WHEREAS, the activities conducted adjacent to waterbodies, such as construction, grading, clearing, filling, or contouring, are known to have a profound impact on water quality, the preservation of natural habitats, and the overall health and sustainability of aquatic ecosystems. These activities can lead to sedimentation, alteration of hydrological patterns, habitat fragmentation, and the introduction of pollutants, all of which threaten the ecological balance and biodiversity crucial to the well-being of these environments; and

WHEREAS, there has been a recognition of the necessity for increased regulation and oversight to prevent adverse effects on waterbodies resulting from unregulated or improperly managed land-use activities.

NOW, THEREFORE, BE IT RESOLVED, that the Waterbody Setback Advisory Board hereby makes the following recommendations to the Assembly:

1. Path to Compliance for Homeowners: The Assembly is advised to establish a path to compliance for existing homes built within

the 75-foot setback area of lakes in violation of MSB 17.55. This compliance pathway should require the design and construction of mitigation measures to be developed and overseen by a qualified professional registered in the State of Alaska, and should maintain a minimum setback of 45 feet.

2. Setback Maintenance and Expansion: The Waterbody Setback Advisory Board recommends retaining the current 75-foot setback requirement for buildings adjacent to flowing water, extending this requirement to all future developments along any waterbody, and should be expanded to include commercial and industrial projects.

3. Land Use Permit Requirement: It is recommended that MSB 17.02 be amended to mandate a land use permit for any grading, clearing, filling, contouring, or construction activities within 75 feet of waterbodies. This measure seeks to ensure thorough review and management of all such activities to minimize adverse impacts on waterbody ecosystems.

4. Shoreline standards: Adopt standards for clearing and grading within 75 feet of waterbodies to include provisions for managing runoff associated with the development, and maintaining or establishing a vegetative buffer along the shoreline.

5. Animal Waste Management: Adopt a setback requirement of 150 feet from the ordinary high-water mark of waterbodies for

outdoor kennels, stables, animal yards, and animal waste facilities to enhance environmental protection.

6. Prevention of Liquid Petroleum Fuel Contamination: Adopt measures to mitigate the risk of liquid fuel contamination near waterbodies by requiring secondary containment systems or pumped top-outlet fuel tanks for all fuel installations within 75 feet of waterbodies, including both existing and new installations.

7. Enhanced Enforcement: Recognizing the importance of enforcing setback regulations effectively, it is recommended that additional staff be hired to patrol waterbodies during the summer months. Their presence will deter violations, ensure adherence to established laws, and offer an immediate response to any observed infractions.

8. Elimination of Variances: It is recommended that MSB 17.65 be amended to eliminate the ability to obtain a variance from waterbody setbacks.

9. New habitat protection tax incentive: The Assembly is encouraged to consider the establishment of a habitat protection tax incentive, similar to the program in the Kenai Peninsula Borough, and advocate for state legislation that extends coverage to all types of waterbodies, not limited to rivers.

BE IT FURTHER RESOLVED, the Waterbody Setback Advisory Board

has attached a draft ordinance reflecting its recommendations for the Assembly to consider.

ADOPTED by the Matanuska-Susitna Borough Waterbody Setback Advisory Board this \_\_\_\_ day of \_\_\_\_\_, \_\_\_\_.

\_\_\_\_\_  
Bill Kendig, Board Chair

ATTEST:

\_\_\_\_\_  
Lacie Olivieri, Board Clerk