

TOWN OF KITTERY

Office of Planning & Development

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To: Planning Board

From: Kathy Connor, Project Planner & Jason Garnham, Director of Planning and

Development

Date: May 23, 2023

Re: Floodplan FEMA Maps and Floodplan Management Amendments: Public

Hearing

Introduction:

In March of 2024, the Town of Kittery was issued Preliminary Floodplain Maps by FEMA and a Letter of Map Revision Determination. The floodplain maps consist of 17 panels, each covering a portion of Kittery. Kittery must adopt these floodplain maps and updated floodplain management regulations as part of the Town's Zoning by July 17, 2024 in order to remain in the National Flood Insurance Program.

The floodplain maps that are currently in use date to the late 1980s. Kittery was first issued Preliminary Floodplain Maps by FEMA in 2013. A portion of Kittery along coastal waters was revised based on a process that included an appeal to FEMA, with Ransom Consulting, LLC providing the engineering work, of the 2013 Preliminary Floodplain Maps and a Letter of Map Revision (LOMR) process which spanned multiple years. Both the appeal and the LOMR were related to engineering and modeling differences.

Process:

Amendments to Town zoning cannot be adopted until a public hearing is held by the Planning Board and Town Council per Kittery Town Code §16.1.7 and MRS Title 30-A, Chapter 187, §4352 A.9. The Planning Board voted to schedule a May 23 public hearing on these amendments during a workshop on April 25, 2024. Notice of this public hearing was published in the Weekly Sentinel and mailed to affected property owners as required.

After holding a public hearing, the **Planning Board should vote on whether to recommend adoption of these amendments to Town Council**. Town Council is scheduled to review these amendments during the June 10, 2024 meeting and hold a public hearing on June 24, 2024.

Suggested motion: move to recommend adoption of amendments to Title 16-zoning and associated floodplain maps as presented by staff

April 25 Planning Board workshop, comments and responses:

At the Planning Board workshop held on April 25th, the Board had the following questions (*followup/responses in italics*):

- On Line 26, under C. Establishment of flood areas, there was a question about the sentence referring to the "previously cited Act". The Act being referred to is identified previously in A. Statement of Purpose and intent, on lines 5 and lines 7-8. See lines 5 and 7-8.
- On line 88-89, there are three citations under subsection (8)(a)[2][b] that all state a requirement for a two-foot freeboard requirement. The Planning Board would like to cite the two foot standard and point to the citations for details. Change made to draft amendments.
- On line 190, the Permit for "minor development for all development that is not new construction or substantial improvement such as repairs, maintenance, renovations or additions whose value is less than 50% of the market value of the structure. The Board would like to change it to "assessed" value. This change was not recommended by the state floodplain coordinator or Town assessor. Recognizing that assessed values are typically lower than market values, the change proposed by board members would have made it harder for property owners to obtain permits for minor development because it would have lowered the threshold for value of work which would qualify as minor development. It is recommended to lower barriers for property owners who wish to renovate their properties to make them safer and more flood-resistant.
- On lines 573-576, the Board would like to say that "the National Flood Insurance Program and by extension, those insurers under that program, will not insure structures located entirely over water or seaward of mean high tide." Change made, lines 577-579.
- On lines 639-643, it states that the Board of Appeals can hear and decide an appeal of a Planning Board decision. Kittery's land use ordinances are all currently written such that any appeal of a Planning Board decision goes to Maine Superior Court they are not appealable to the Board of Appeals. This floodplain process would be a departure from the norm for Kittery. The Board would prefer to have it stay the same the course as other PB appeals. Change made, lines 648-650.
- On lines 645-646, it states the Board of Appeals may grant a variance from the floodplain standards. The Planning Board would like to add that any variances needed would have to be sought and approved prior to any required Planning

Board action through the special exception process (known as conditional approval in the model ordinance). Change made, lines 722-723.

Background:

There has not been an updated adopted map since 1986. Kittery received preliminary maps from FEMA in 2013 which were appealed. If you are curious about the process details and why it took time, you will find an attached FAQ prepared by the attorney who worked on behalf of Kittery with FEMA. The short version is that FEMA issued maps in 2013 which were appealed by Ransom Engineering on behalf of Kittery and other York County coastal communities which resulted, finally, in the new maps that Kittery is preparing to adopt.

There are 17 separate maps, which collectively are called Flood Insurance Rate Maps (FIRMs), each representing a specific portion of Kittery. Each map is referred to as a panel. Four of the panels show Revised Areas identifying the areas where FEMA approved Kittery's requested changes through a process called a Letter of Map Revision (LOMR). These areas range from Whipple Road into Kittery Point including Chauncey Creek and Gerrish Island and along Route 103 to the York line.

To support the new maps, the floodplain management ordinance in §16.5.11 needed quite a few updates. Kittery's updates were completed by staff and reviewed by the State Floodplain Management Program. The State office produces a FEMA-approved model ordinance so that communities can use it as a guide to make necessary updates.

The Town has paper maps and most of the 2024 Preliminary Map GIS data has been sent to CAI, our GIS consultant, to be put on the Town's on-line GIS system for use by the public. We are working on obtaining the rest of the data. The Town has had the 2013 Preliminary Map data available on the Town website for years now as an informational tool. As with all ordinance adoptions, the floodplain management changes must first go to you, the Planning Board, for discussion, public hearing and votes and then to Town Council for the same. The timeline for the Planning Board is workshop and setting the public hearing date on April 25th, followed by the public hearing itself and a vote on May 23. **The maps must be adopted by July 17th in order for the Town to remain in the National Flood Insurance Program (NFIP).**

Other notes:

Outreach to property owners and the public was conducted in the following ways:

- The Town of Kittery placed a public notice announcing the Letter of Map Revision changes to Kittery's floodplain maps on March 1, 2024 in the Weekly Sentinel.
- 2. FEMA placed public notices announcing all the new floodplain maps in the Portsmouth Herald on March 14th and March 21st of this year.

- 3. Those property owners affected and notified in 2013 of being in the special flood hazard zones will be notified again of the Town's intention to adopt these FIRMs by mail. *All owners of property located in flood zones AE*,
- 4. The Town's website will be updated with information on the new maps and ordinance changes. *Updates made, current*.

Features of the new FIRMs include:

- The area of revision (essentially the area that was under appeal and was changed via the LOMR) is delineated.
- There is a new area depicted called the Limit of Moderate Wave Action (LiMWA) which is the area where waves can reach between 1.5- and 3-feet during storm events. While not specifically regulated, it is there for cautionary reasons.
- There are several special hazard flood areas, Zones, A, AE and VE.
- There are many more base flood elevations shown.

Changes to the Floodplain Management Ordinance include:

- More clarity on permitting and submission requirements.
- More performance standards for each type of structure.
- More structures are regulated (for example RVs, bridges, containment walls).
- More stringent requirements for structures in the special flood hazard areas.

Not included in the Floodplain Management Ordinance:

• Stricter standards than FEMA's (including higher freeboard – FEMA and Kittery both require 1 foot) are not proposed at this time.

1 ACCESSORY STRUCTURE

- 2 A structure that is <u>incidental and</u> subordinate to and serves a principal building or use
- 3 <u>while serving that principal building or use on the same lot.</u>

4

- 5 AGRICULTURAL STRUCTURE
- 6 Structures that are used exclusively for agricultural purposes or uses in connection with
- 7 the production, harvesting, storage, raising, or drying of agricultural commodities and
- 8 livestock. Structures that house tools or equipment used in connection with these purposes
- 9 <u>or uses are also considered to have agricultural purposes or uses.</u>
- 10 FLOOD, AREA OF SPECIAL FLOOD HAZARD, OR SPECIAL FLOOD HAZARD
- 11 AREA
- 12 The land in the floodplain having a one percent or greater chance of flooding in any given year, as
- specifically identified in the Flood Insurance Study cited in §16.5.11.C. Establishment of areas
- 14 BASEMENT
- An area below the first floor having a floor-to-ceiling height of six feet or more and 50% of its
- volume below the existing ground. When used in the context of §16.5.11 Floodplain
- 17 Management, any area of a building that includes a floor that is subgrade (below ground
- 18 level) on all sides.
- 19 CODE ENFORCEMENT OFFICER (CEO)
- 20 Person(s) certified under Title 30-A MRSA, Section 4451 (including exceptions in Section
- 21 4451, paragraph 1) and employed and The person duly authorized by the Town to carry
- out the duties, including enforcement of all applicable comprehensive planning and land
- 23 use laws, as prescribed herein and in the Town Administrative Code.
- 24 **COASTAL AE ZONE**
- 25 The portion of the Coastal High Hazard Area with wave heights between 1.5 feet and 3.0
- 26 feet and bounded by a line labeled the "Limit of Moderate Wave Action" (LiMWA) on a
- 27 Flood Insurance Rate Map (FIRM). VE Zone floodplain construction standards are
- 28 applied to development, new construction, and substantial improvements in the Coastal AE
- 29 **Zone.**
- 30 COASTAL HIGH HAZARD AREA
- 31 An area of special flood hazard extending from offshore to the inland limit of a primary
- 32 frontal dune along an open coast and any other area subject to high velocity wave action
- from storms or seismic sources. Coastal High Hazard Areas are designated as Zone VE and
- Zone AE bounded by a line labeled "Limit of Moderate Wave Action" (LiMWA) on a
- 35 Flood Insurance Rate Map (FIRM).

36	
37 38	CONTAINMENT WALL
39	A wall surrounding all sides of an above ground tank to contain any spills or leaks.
40 41	DEVELOPMENT
42 43 44 45	A. A <u>manmade</u> change in land use involving alteration of the land, water or vegetation including but not limited to buildings, structures, mining, dredging, filling, grading, paving excavation, drilling operations, storage of equipment or materials, and the storage, deposition or extraction of materials; or
46 47 48	B. The addition or alteration of structures or other <u>types of</u> construction <u>such as but not limited</u> to roads, stormwater management systems, culverts, utilities, and communications <u>systems</u> . not naturally occurring.
49	ELEVATED BUILDING
50	A. A non-basement building:
5152535455	(1) Built, in the case of a building in Zones A1—30, A or AE, A99, AO or AH, to have so that the top of the elevated floor, or in the case of a building in Zones Coastal AE or VE, to have the bottom of the lowest horizontal structural member of the elevated floor, elevated above the ground level by means of pilings, columns, post, or piers or stilts; and
56 57	(2) Adequately anchored so as not to impair the structural integrity of the building during a flood of up to one foot above the magnitude of the base flood.
58 59 60 61 62	B. In the case of Zones A or AE, this term "Elevated Building" also includes a building elevated by means of fill or solid foundation perimeter walls with hydraulic openings sufficient to facilitate the unimpeded movement of flood waters, as required in §16.5.11.H(14).
63 64 65 66 67	C. In the case of Zones Coastal AE and VE, the term "Elevated Building" also includes a building otherwise meeting the definition of elevated building, even though the lower area is enclosed by means of breakaway walls, if the breakaway walls meet the standards of §16.5.11.H(18)(b)[2][c].
68	ELEVATION CERTIFICATE
69 70 71 72	An official form (FEMA Form (FEMA Form 81–31, 05/90, FF-206-FY-22-152, as amended) that A. is used to verify compliance with the floodplain management regulations of the National Flood Insurance Program. B. Is required for purchasing flood insurance.

73	
74	EXISTING MANUFACTURED HOME PARK OR SUBDIVISION (FOR FLOODPLAIN)
75 76 77 78	For the purposes of §16.5.11 Floodplain Management, a manufactured home park or subdivision that was recorded in the deed registry prior to the adoption date of the community's first floodplain management regulations.
79	FLOOD or FLOODING
80 81	A. A general and temporary condition of partial or complete inundation of normally dry land areas from:
82	(1) The overflow of inland or tidal waters; or
83	(2) The unusual and rapid accumulation or runoff of surface waters from any source.
84 85 86 87 88 89 90	B. The collapse or subsidence of land along the shore of a lake or other body of water as a result of erosion or undermining caused by waves or currents or of water exceeding anticipated cyclical levels or suddenly caused by an unusually high water level in a natural body of water, accompanied by a severe storm, or by an unanticipated force of nature, such as a flash flood or an abnormal tidal surge, or by some similarly unusual and unforeseeable event which results in flooding as defined in Subsection A(1) of this definition.
92	FUNCTIONALLY DEPENDENT USE (IN FLOODPLAIN)
93 94 95 96 97	For the purposes of §16.5.11 Floodplain Management, a use which cannot perform its intended purpose unless it is located or carried out in close proximity to water. The term includes only docking facilities, port facilities that are necessary for the loading and unloading of cargo or passengers, and ship building and ship repair facilities, but does not include long-term storage or related manufacturing facilities.
98 99	LIMIT OF MODERATE WAVE ACTION (LIMWA)
100 101 102 103 104 105 106 107	The landward limit of the 1.5 foot breaking wave within a Coastal AE Zone. These areas are bounded by a line labeled "Limit of Moderate Wave Action" (LiMWA) on a Flood Insurance Rate Map (FIRM). The LiMWA line delineates that portion of the Special Flood Hazard Area (SFHA) landward of a VE zone in which the principal sources of flooding are astronomical high tides, storm surges, or tsunamis, not riverine sources. These areas may be subject to wave effects, velocity flows, erosion, scour, or combinations of these forces. The floodplain development and construction standards for VE Zones will be applied in the Coastal AE Zone.
108	

110	LOCALLY ESTABLISHED DATUM
111	For the purposes of §16.5.11 Floodplain Management, an elevation established for a specific
112	site to which all other elevations at the site are referenced. This elevation is generally not
113	referenced to the National Geodetic Vertical Datum (NGVD), North American Vertical
114	Datum (NAVD), or any other established datum and is used in areas where Mean Sea Level
115	data is too far from a specific site to be practically used.
116	
117	MANUFACTURED HOME (FOR FLOODPLAIN)
118	For floodplain management purposes, a structure, transportable in one or more sections,
119	which is built on a permanent chassis and is designed for use with or without a permanent
120	foundation when connected to the required utilities. In addition, the term manufactured
121	home also includes park trailers, travel trailers, and other similar vehicles placed on a site
122	for greater than 180 consecutive days.
123	
124	MANUFACTURED HOME PARK OR SUBDIVISION (FOR FLOODPLAIN)
125	For floodplain management purposes, a parcel (or contiguous parcels) of land divided into
126	two or more manufactured home lots for rent or sale.
127	
128	MEAN SEA LEVEL
129	For purposes of the National Flood Insurance Program, the National Geodetic Vertical Datum
130	(NGVD) of 1929, North American Vertical Datum (NAVD) or other datum, to which base
131	flood elevations shown on a community's Flood Insurance Rate Map are referenced.
132	
133	MINOR DEVELOPMENT (FOR FLOODPLAIN)
134	For the purposes of §16.5.11 Floodplain Management, all development that is not new
135	construction or a substantial improvement, whose value is less than 50% of the market
136	value of the structure. It also includes but is not limited to: accessory structures as
137	provided for in §16.5.11.H(12), mining, dredging, filling, grading, paving, excavation,
138	drilling operations, storage of equipment or materials, deposition or extraction of
139	materials, public or private sewage disposal systems or water supply facilities that do not
140	involve structures; and non-structural projects such as bridges, dams, towers, fencing,
141	pipelines, wharves, and piers.
142	NATIONAL GEODETIC VERTICAL DATUM (NGVD)
143	The national vertical datum, a standard established in 1929, used by the National Flood
144	Insurance Program (NFIP). NGVD is based upon mean sea level in 1929 and has been
145	called "1929 Mean Sea Level" (MSL).

146	<u>NO</u>	RTH	AMERICAN VERTICAL DATUM (NAVD)
147	The	e nati	onal datum whose standard was established in 1988, which is the new vertical
148	dat	um us	sed by the National Flood Insurance Program (NFIP) for all new Flood Insurance
149	Rat	te Ma	ps. NAVD is based upon the vertical data used by other North American countries
150	suc	h as (Canada and Mexico and was established to replace NGVD because of constant
151	mo	veme	nt of the earth's crust, glacial rebound and subsidence, and the increasing use of
152	sate	<u>ellite (</u>	echnology.
153	RE	CRE	ATIONAL VEHICLE (FOR FLOODPLAIN)
154 155	For	the p	ourposes of §16.5.11 Floodplain Management, a vehicle that is:
156 157		A.	Built on a single chassis,
158 159 160		В.	400 square feet or less when measured at the largest horizontal projection, not including slide-outs,
161 162 163		C.	Designed to be self-propelled or permanently towable by a motor vehicle, and
164 165 166		D.	Designed primarily for not for use as a permanent dwelling but as temporary living quarters for recreational, camping, travel, or seasonal use.
167 168	<u>SP</u>	ECIA	L EXCEPTION USE (FOR FLOODPLAIN)
169	A u	ise tha	at, because of its potential impact on surrounding areas and structures, is
170	per	mitte	d only upon review and approval by the Planning Board pursuant to §16.5.11.I(2).
171 172 173	ST	RUC'	TURE (FOR FLOODPLAIN)
173 174	For	r flood	lplain management purposes, a walled and roofed building. A gas or liquid storage
175			t is principally above ground is also a structure.
176			
177	SU	BSTA	NTIAL IMPROVEMENT
178	An	y reco	nstruction, rehabilitation, addition, or other improvement of a structure, the cost of
179		-	uals or exceeds 50% of the market value of the structure before the start of construction
180 181			provement. This term includes structures which have incurred substantial damage, s of the actual repair work performed. The term does not, however, include either:
182 183 184 185	A.	healt	project for improvement of a structure to correct existing violations of state or local ch, sanitary or safety code specifications which have been identified by the local code rement official and which are the minimum necessary to assure safe living conditions;

186 187 188	В.	Any alteration of an historic structure, provided that the alteration will not preclude the structure's continued designation as an historic structure, <u>and a variance is obtained from the Board of Appeals.</u>
189	RE	CGULATORY FLOODWAY
190	A.	The channel of a river or other water course and the adjacent land areas that must be reserved
191		in order to discharge the base flood without cumulatively increasing the water surface
192		elevation more than one foot a designated height, and,
193	B.	In riverine areas When not designated on the community's Flood Insurance Rate Map,
194		it is considered to be the channel of a river or other water course and the adjacent land areas
195		to a distance of one-half the width of the floodplain, as measured from the normal high water
196		mark to the upland limit of the floodplain.
197	VI	OLATION (FOR FLOODPLAIN)
198		
199	<u>Th</u>	e failure of a structure or development to comply with the Town's floodplain
200	ma	nagement regulations.

Key: Brown-orange underline and strikeout indicates State/FEMA-required amendments Blue highlight indicates major subsections for easier reference.

1 16.5.11 Floodplain Management

2 A. Statement of purpose and intent.

- 3 (1) Certain areas of the Town are subject to periodic flooding, causing serious damages to 4 properties within these areas. Relief is available in the form of federally subsidized flood
- 5 insurance as authorized by the National Flood Insurance Act of 1968.
- 6 (2) Therefore, the Town has chosen to become a participating community in the National Flood
- 7 Insurance Program and agrees to comply with the requirements of the National Flood
- 8 Insurance Act of 1968 (P.L. 90-488, as amended) as delineated in this article-Floodplain
- 9 **Management Ordinance.**
- 10 (3) It is the intent of the Town to require the recognition and evaluation of flood hazards in all
- official actions relating to land use in the floodplain areas having special flood hazards. This
- body has the legal authority to adopt land use and control measures to reduce future flood
- losses pursuant to 30-A M.R.S §§3001-3007, 4352 and 4401-4407. and Title 38 MRSA
- 14 <u>Section 440.</u>
- 15 (4) The Town of Kittery has the legal authority to adopt land use and control measures to
- reduce future flood losses pursuant to Title 30-A MRSA, Sections 3001-3007, 4352,
- 17 <u>4401-4407, and Title 38 MRSA, Section 440.</u>
- 18 B. Definitions.
- 19 Unless specifically defined in §16.3, words and phrases used in this article ordinance have
- 20 the same meanings as they have in common law to give this article ordinance its most
- 21 reasonable application. The word "may" is permissive; "must" and "will" are
- 22 mandatory and not discretionary.
- 23 C. Establishment of flood areas.
- 24 (1) The Town elects to comply with the requirements of the National Flood Insurance Act
- of 1968 (P.L. 90-488, as amended). The National Flood Insurance Program, established in
- 26 the aforesaid previously cited Act, provides that those areas of the Town having a special
- flood hazard be identified by the Federal Emergency Management Agency and that
- 28 floodplain management measures be applied in such flood hazard areas. This article
- ordinance establishes a flood hazard development permit system and review procedure for
- development activities in the designated flood hazard areas of the Town.
- 31 (2) The areas of special flood hazard, Zones A, A1-30, AE, AO, AH, V1-30 and/or VE for the
- 32 <u>Town of Kittery, York County Maine</u>, identified by the Federal Emergency Management
- 33 Agency in a report entitled "Flood Insurance Study Town of Kittery, York County,
- Maine, York County," dated January 5, 1984 July 17, 2024, with accompanying Flood
- Insurance Rate Map dated July 3, 1986-July 17, 2024, and any subsequent amendments
- thereto (including, without limitation, a Letter of Map Revision No. 24-01-0142P, dated

2024 Key: Brown-orange underline and strikeout indicates State/FEMA-required amendments Blue highlight indicates major subsections for easier reference.

37 <u>July 18, 2024),</u> are adopted by reference and declared to be a part of this article ordinance.

38 D. Permit required.

- (1) The Code Enforcement Officer will be designated as the local Floodplain
 Administrator. The Floodplain Administrator will have the authority to implement the commitment made to administer and enforce the requirements for participation in the National Flood Insurance Program.
- 43 (2) The Planning Board is the permitting authority for all special exception flood hazard
 44 applications including those involving subdivisions and will act on such applications as
 45 required in §16.5.11.I and K. The Code Enforcement Officer is the permitting
 46 authority for other types of allowed development such as, but not limited to, accessory
 47 structures and for minor development applications for existing residential and non48 residential structures.
- 49 (3) Before any construction or other development (as defined in §16.3), including the placement of manufactured homes, begins within any areas of special flood hazard established in 50 51 §16.5.11.C, a Flood Hazard Development Permit is to must be obtained from the Code 52 Enforcement Officer. except When the Planning Board must grant special exception 53 approvals as provided by §16.5.11.I of this ordinance, the Flood Hazard Development 54 Permit must be submitted as part of the application. This permit is in addition to any 55 other permits which may be required pursuant to the title ordinances and codes of the Town of Kittery, Maine. 56
- 57 E. The application for a flood hazard development permit **is to must** be submitted to the Code Enforcement Officer and include:
- 59 (1) The name, address, and phone number of the applicant, owner and contractor.
- 60 (2) An address and a map indicating the location of the construction site.
- 61 (3) A site plan showing the location of existing and/or proposed structures development
 62 including but not limited to structures, sewage disposal facilities, water supply
 63 facilities, areas to be cut and filled, and lot dimensions. Such a plan must also show
 64 where the proposed development is located in relation to the flood hazard area
 65 boundaries.
- 66 (4) A statement of the intended use of the structure <u>and/or development</u>.
- 67 (5) A statement of the cost of the development, including all materials and labor.
- 68 (6) A statement as to the type of sewage system proposed.
- 69 (7) Specification of dimensions of the proposed structure and/or development.
- 70 [Note: Subsections 8-13 below apply only to new construction or substantial improvements,

71		as defined by Title 16.
72 73	(8)	The elevation in relation to the National Geodetic Vertical (NGVD), North American Vertical Datum (NAVD) or to a locally established datum in Zone A only, of the:
74 75		(a). Base flood <u>for structures located in special flood hazard areas</u> , at the proposed site of all new or substantially improved structures, which is determined:
76 77 78		[1] In Zones A1 — 30, AE, AO, AH, V1 — 30, and VE, from data contained in the "Flood Insurance Study — Town of Kittery York County, Maine," as described in §16.5.110.C or
79		[2] In Zone A:
80 81 82 83 84 85		[a] From any base flood elevation data from federal, state, or other technical sources (such as FEMA's Quick-2 model, FEMA 265),including information obtained pursuant to §16.5.11.H(13) and §16.5.11.K(1)(d) or from of the ground at the intersection of the floodplain boundary and a line perpendicular to the shoreline which passes along the ground through the site of the proposed building.
86 87 88 89 90		[b] In the absence of all data described in §16.5.11.E(8)(a)[2][a], information to demonstrate that the structure shall, at minimum, meet the two-foot elevation requirements above the highest adjacent grade to the structure, that the structure shall meet the elevation requirements in §16.5.11.H.(8)(b)[2], §16.5.11.H(9)(b)[2] or §16.5.11.H(10)(b)[2].
91		(b). Highest and lowest grades at the site adjacent to the walls of the proposed building.
92 93		(c). Lowest floor, including basement, and whether or not such structures contain a basement.
94		(d). Lowest machinery and equipment servicing the building; and
95 96		(e). Level, in the case of nonresidential structures only, to which the structure will be floodproofed.
97 98 99	(9)	A description of an base flood elevation reference point established on the site of all new or substantially improved structures developments for which elevation standards apply as required in Section H of §16.5.11.
100	(10)	A written certification by:
101 102		(a). a professional land surveyor that the grade elevations shown on the application are accurate; and
103		(b). a professional land surveyor, registered professional engineer or architect;

104		verifying that the base flood elevations shown on the application are accurate.
105 106	(11)	The following Coertifications as required in §16.5.11.H by a registered professional engineer or architect: that floodproofing methods for any:
107 108 109 110		(a). A Floodproofing Certificate (FEMA Form FF-206-FY-22-153, as amended from time to time) to verify that the floodproofing methods for any Nnonresidential structures will meet the floodproofing criteria of §16.5.11.H.(9) and other applicable standards in §16.5.11.H. and
111 112 113 114		(b). A V-Zone Certificate to verify that Construction in coastal high-hazard areas, Zones V1 30 Coastal AE and VE will meet the floodproofing criteria of Subsection 11 of §16.5.11.H.(18) and other applicable standards in §16.5.11.H.
115 116 117		(c). A Hydraulic Openings Certificate to verify that engineered hydraulic openings in foundation walls will meet the standards of §16.5.11.H(14)(b)[1].
118 119		(d). A certified statement that bridges will meet the standards of §16.5.11.H(15).
120 121 122		(e). A certified statement that cContainment walls will meet the standards of §16.5.11.H(16).
123 124	(12)	A description of the extent to which any watercourse will be altered or relocated as a result of the proposed development.
125 126	(13)	A statement of construction plans describing in detail how each applicable development standard in §16.5.11.H will be met.
127	F.	Application fee and expert's fee.
128 129 130	(1)	A nonrefundable application fee as set out in Appendix A is to shall be paid to the Town Clerk Code Enforcement Officer, and a copy of a receipt for the same must accompany the application.
131 132 133 134 135 136 137 138 139	(2)	An additional fee may be charged if the Code Enforcement Officer, Planning Board and/or Board of Appeals needs the assistance of a professional engineer or other expert. The expert's fee must be paid in full by the applicant within 10 days after the Town submits a bill to the applicant. Failure to pay the bill constitutes a violation of this title ordinance and is grounds for the issuance of a stop-work order. An expert may not be hired by the municipality at the expense of an applicant until the applicant has either consented to such hiring in writing or been given an opportunity to be heard on the subject. An applicant who is dissatisfied with a decision of the Code Enforcement Officer may appeal that decision to the Board of Appeals.

Review standards of for flood hazard development permit applications. The Code

140

Chapter 16.5.11, Floodplain Management Amendments – DRAFT – May 23, 2024 Key: Brown-orange underline and strikeout indicates State/FFMA-required amendments

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Enforcement Officer and the Planning Board when applicable must:

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- 142 (1) Review all applications for a flood hazard development permit to assure that proposed
 143 building sites developments are reasonably safe from flooding and to determine that all
 144 pertinent requirements of §16.5.11.H, Development Standards, have or will be met.
- 145 (2) Utilize, in the review of all flood hazard development permit applications:
- 146 (a) The base flood <u>and floodway</u> data contained in the "Flood Insurance Study Town of Kittery York County, Maine," as described in §16.5.11.C.
 - (b) In special flood hazard areas where base flood elevation and floodway data are not provided, the Code Enforcement Officer is to must obtain, review and reasonably utilize any base flood elevation and floodway data from federal, state, or other sources, including information obtained pursuant to §16.5.11.E(8)(a)[2], §16.5.11.H(13) and §16.5.11.K(1)(d), in order to administer §16.5.11.H of this article.
 - (c) When the Town establishes a base flood elevation in a Zone A by methods outlined in §16.5.11.E.(8).(a).[2], the community must submit that data to the Maine Floodplain Management Program.
- 157 (3) Make interpretations of the location of boundaries of special flood hazard areas shown on the maps described in §16.5.11.C.
- In the review of flood hazard development permit applications, determine that all necessary permits have been obtained from those federal, state and local government agencies from which prior approval is required by federal or state law, including, but not limited to, Section 404 of the Federal Water Pollution Control Act Amendments of 1972, 33 U.S.C. §13344.
- 164 (5) Notify adjacent municipalities, the Department of Environmental Protection, and the
 165 Maine Office of Community Development Floodplain Management Program prior to
 166 any alteration or relocation of a watercourse and submit copies of such notifications to
 167 the Federal Emergency Management Agency.
- 168 (6) <u>If the application satisfies the requirements of this ordinance, approve the issuance</u>
 169 of one of the following flood hazard development permits, based on the type of development:
 - (a). Issue a two-part Flood Hazard Development Permit for elevated structures. Part I is to authorizes the applicant to build a structure to and including the first horizontal floor only, above the base flood level. At that time the applicant must provide the Code Enforcement Officer with an "under construction" Elevation Certificate completed by a professional land surveyor, registered professional engineer or architect based on Part I permit construction, for verifying compliance with

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the elevation requirements of Subsections 8, 9, 10 and 18 of §16.5.11.H. an
application for Part II of the flood hazard permit. Following review of the
application Elevation Certificate data, which review must take place within three
working days of receipt of the application, the Code Enforcement Officer is to will
issue Part II of the Flood Hazard Development Permit. Part II authorizes the
applicant to complete the construction project; or

- (b). <u>Issue a Flood Hazard Development Permit for floodproofing of non-residential structures that are new construction or substantially improved non-residential structures that are not being elevated but meet the floodproofing standards of §16.5.11.H(9). The application for this permit must include a Floodproofing Certificate signed by a registered professional engineer or architect or:</u>
- (c). Issue a Flood Hazard Development Permit for minor development for all development that is not new construction or substantial improvement such as repairs, maintenance, renovations or additions whose value is less than 50% of the market value of the structure. Minor development also includes but is not limited to: accessory structures as provided for in §16.5.11.H(12), mining, dredging, filling, grading, paving, excavation, drilling operations, storage of equipment or materials, deposition or extraction of materials, public or private sewage disposal systems or water supply facilities that do not involve structures; and non-structural projects such as bridges, dams, towers, fencing, pipelines, wharves and piers.
- (d). For development that requires review and approval as a special exception, as provided for in this ordinance, the Flood Hazard Development Permit Application must be acted upon by the Planning Board as required in §16.5.11.I and described in §16.5.11.D.
- (7) Maintain, as a permanent record, copies of all Flood Hazard Development Permit
 applications, corresponding permits issued and data relevant thereto, including reports
 of the Board of Appeals on variances granted under the provisions of §16.5.11.L and
 this ordinance; and copies of Elevation Certificates, Floodproofing Certificates,
 Certificates of Compliance and certifications of design standards required under the
 provisions of §16.5.11.E, §16.5.11.H and §16.5.11.J.
- 208 H. Development standards.

All development in areas of special flood hazard are to must meet the following applicable standards:

- 212 (1) New construction or substantial improvement of any structure All development 213 must:
 - (a). Be designed or modified and adequately anchored to prevent flotation (excluding piers and docks), collapse or lateral movement of the structure development

216 217		resulting from hydrodynamic and hydrostatic loads, including the effects of buoyancy;
218		(b). Use construction materials that are resistant to flood damage;
219		(c). Use construction methods and practices that will minimize flood damage; and
220 221 222		(d). Use electrical, heating, ventilation, plumbing, and air-conditioning equipment, and other service facilities, that are designed and/or located so as to prevent water from entering or accumulating within the components during flooding conditions.
223 224	(2)	All new and replacement water supply systems are to <u>must</u> be designed to minimize or eliminate infiltration of floodwaters into the systems.
225 226 227	(3)	All new and replacement sanitary sewage systems are to must be designed and located to minimize or eliminate infiltration of floodwaters into the system and discharges from the system into floodwaters.
228 229	(4)	On-site waste disposal systems are to must be located and constructed to avoid impairment to them or contamination from them during floods.
230 231 232	(5)	All development <u>associated with altered or relocated portions of a watercourse</u> is to <u>must</u> be constructed and maintained in such a manner that no reduction occurs in the flood-carrying capacity of any watercourse.
233 234	(6)	New construction or substantial improvement of any structure (including manufactured homes) located within:
235 236 237 238 239		(a). Zones A and AE must have the bottom of all electrical, heating, plumbing, ventilation and air conditioning equipment, permanent fixtures and components, HVAC ductwork and duct systems, and any other utility service equipment, facilities, machinery, or connections servicing a structure, elevated to at least one foot above the base flood elevation.
240		(b). Zone VE must meet the requirements of §16.5.11.H.(18)[4].
241 242 243	(7)	<u>Certain development projects, including but not limited to, retaining walls, sea walls, levees, berms, and rip rap, can cause physical changes that affect flooding conditions.</u>
244 245 246 247		(a). All development projects in Zones AE and VE that cause physical changes to the natural landscape must be reviewed by a professional engineer t(o determine whether or not the project changes the base flood elevation, zone, and/or the flood hazard boundary line.
248 249		[1] If the professional engineer determines, through the use of engineering judgement, that the project would not necessitate a Letter of Map Revision

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250		(LOMR), a certified statement must be provided.
251 252 253		[2] If the professional engineer determines that the project may cause a change, a hydrologic and hydraulic analysis that meets current FEMA standards must be performed.
254 255 256 257 258 259 260		(b). If the hydrologic and hydraulic analysis performed indicates a change to the base flood elevation, zone, and/or the flood hazard boundary line, the applicant may submit a Conditional Letter of Map Revision (C-LOMR) request to the Federal Emergency Management Agency for assurance that the as-built project will result in a change to the Flood Insurance Rate Map. Once the development is completed, a request for a Letter of Map Revision (LOMR) must be initiated.
261 262 263 264 265		(c). If the hydrologic and hydraulic analysis performed shows a change to the base flood elevation, zone, and/or the flood hazard boundary line, as soon as practicable, but no later than 6 months after the completion of the project, the applicant must submit the technical data to FEMA in the form of a Letter of Map Revision (LOMR) request.
266	(8)	New construction or substantial improvement of any residential structure located within:
267 268		(a). Zone AE must have the lowest floor (including basement) elevated to at least one foot above the base flood elevation.
269		(b). Zone A must have the lowest floor (including basement) elevated:
270 271 272		[1] To at least one foot above the base flood elevation utilizing information obtained pursuant to §16.5.11.E(8)(a)[2][a], §16.5.11.G(2) or §16.5.11.K(1)(d), or
273 274		[2] In the absence of all data described above in 16.5.11.H(8)(b)[1], to at least two feet above the highest adjacent grade to the structure.
275 276		(c). Zones VE and Coastal AE (as defined by Title 16) must meet the requirements of 16.5.11.H(18).
277 278		(a) Zones A1 — 30, AE and AH is to have the lowest floor (including basement) elevated to at least one foot above the base flood elevation.
279 280		(b) Zones AO and AH is to have adequate drainage paths around structures on slopes, to guide floodwater away from the proposed structures.
281 282		(c) Zone AO is to have the lowest floor (including basement) elevated above the highest adjacent grade:
283		[1] At least one foot higher than the depth specified in feet on the community's

284	Flood Insurance Rate Map; or
285	[2] At least three feet if no depth number is specified.
286	(d) Zone A is to have the lowest floor (including basement) elevated to at least one
287	foot above the base flood elevation utilizing information obtained pursuant to
288	§16.5.11.E(8)(a)[2], 16.5.11.G(4) or 16.5.11.L(4).
289	(e) Zones V1 — 30 and VE is to meet the requirements of Subsection 16 H(11).
290	(9) New construction or substantial improvement of any nonresidential structure located
291	within:
292	(a). Zones A1 30, AE and AH is to must have the lowest floor (including basement)
293	elevated to at least one foot above the base flood elevation or, together with
294	attendant utility and sanitary facilities, must:
295	[1] Be floodproofed to at least one foot above the base flood level so that below that
296	elevation the structure is watertight with walls substantially impermeable to
297	passage of water;
298	[2] Have structural components capable of resisting hydrostatic and hydrodynamic
299	loads and the effects of buoyancy; and
300	[3] Be certified by a registered professional engineer or architect that the
301	floodproofing design and methods of construction are in accordance with accepted
302	standards of practice for meeting the provisions of this section. Such certification
303	must be provided with the application for a flood hazard development permit, as
304	required by §16.5.11.E(11) and must include a record of the elevation above mean
305	sea level to which the structure is floodproofed. of the lowest floor, including
306	basement .
307	(b) Zones AO and AH is to have adequate drainage paths around structures on slopes,
308	to guide floodwater away from the proposed structures.
309	(c) Zone AO is to have the lowest floor (including basement) elevated above the highest
310	adjacent grade:
311	[1] At least one foot higher than the depth specified in feet on the community's
312	Flood Insurance Rate Map; or
313	[2] At least three feet if no depth number is specified; or
314	[3] Together with attendant utility and sanitary facilities, be floodproofed to meet
315	the elevation requirements of this section and floodproofing standards of
316	Subsection 7(a) of this section H.

317	(b). Zone A is to must have the lowest floor (including bas	ement) elevated to:
318 319	[1] At least one foot above the base flood elevation utilizing pursuant to §16.5.11.E(8)(a)[2][a], §16.5.11.G(2) or §16.5.11.G(2)	•
320 321	[2] <u>In the absence of all data described in §16.5.11.H(9</u> two feet-above the highest adjacent grade to the str	-
322 323 324	[3] Together with attendant utility and sanitary facility foot above the base flood elevation established in §3 and meet the floodproofing standards of §16.5.11.	16.5.11.H(9)(b)[1] or [2]
325 326	(c). Zones V1 30 and VE and Coastal AE (as defined the requirements of subsection H(11) of this section §	
327	(10) New or substantially improved manufactured homes located	within:
328	(a). Zone s A1 — 30, AE or AH must:	
329 330	[1] Be elevated on a permanent foundation such that the foot above the base flood elevation; and	lowest floor is at least one
331 332 333 334	[2] Be on a permanent foundation which may be poured foundation walls, with hydraulic openings, or may be supports, any of which support the manufactured his supported by its wheels and axles; and	oe reinforced pier or block
335 336 337	[3] Be securely anchored to an adequately anchored foundation, collapse, or lateral movement. Methods of an not limited to:	=
338 339 340 341	[a] Over-the-top ties anchored to the ground at the formanufactured home, plus two additional ties per si (manufactured homes less than 50 feet long require or	de at intermediate points
342 343 344	[b] By frame ties at each corner of the home, plus five side at intermediate points (manufactured homes le four additional ties per side).	<u> </u>
345 346	[c] All components of the anchoring system described and [b] of this section must be capable of carrying	
347 348	(b) Zones AO and AH are to shall have adequate draina on slopes, to guide floodwater away from the propose	
349	(c) Zone AO are to have the lowest floor (including base	ment) elevated above the

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350	highest adjacent grade:
351 352	[1] At least one foot higher than the depth specified in feet on the community's Flood Insurance Rate Map; or
353	[2] At least three feet if no depth number is specified; and
354	[3] Meet the requirements of Subsection 8.(a).[1] of this section.
355	(b) Zone A are to must:
356 357 358 359 360 361	[1] Be elevated on a permanent foundation as described in 16.5.11.H(10)(a)[2] such that the lowest floor (including basement) is at least one foot above the base flood elevation utilizing information obtained pursuant to have the lowest floor elevated to at least one foot above the base flood elevation utilizing information obtained pursuant to \$16.5.11.E(8)(a)[2][a], \$16.5.11.G(2) or \$16.5.11.K(1)(d), or
362 363	[2] In the absence of all data described in 16.5.11.H(10)(b)[1] above, to at least two feet above the highest adjacent grade to the structure and
364	[3] Meet the anchoring requirements of §16.5.11.H(10)(a)[3].
365 366	(c). Zones V1 — 30 and VE and Coastal AE are to must meet the requirements of 16.5.11.H(18). Subsection 16 of this section.
367	(11) Recreational Vehicles located within:
368	(a). Zones A or AE must either:
369	[1] Be on the site for fewer than 180 consecutive days and,
370 371 372 373	[2] Be fully licensed and ready for highway use. A recreational vehicle is ready for highway use if it is on its wheels or jacking system, is attached to the site only by quick disconnect type utilities and security devices, and has no permanently attached additions or
374 375	[3] Be permitted in accordance with the elevation and anchoring requirements for "manufactured homes" in §16.5.11.H(10).[a].
376 377	(b). Zones V1-30 and VE and Coastal AE (as defined by Title 16) must meet the requirements of either §16.5.11.H.(11)(a)[1] and [2] or §16.5.11.H.(18).
378 379 380 381	(12) New construction or substantial improvement of accessory structures, as defined in Title 16, will be exempt from the elevation criteria required in §16.5.11.H.(8) and (9) above, if all other requirements of §16.5.11.H and all the following requirements are met:

382	(a). Accessory structures located in Zones A and AE must:
383	[1] Meet the requirements of §16.5.11.H(1)(a) through (d), as applicable.
384	[2] <u>Be limited in size to a one-story two-car garage.</u>
385	[3] Have unfinished interiors and not be used for human habitation.
386 387	[4] <u>Have hydraulic openings as specified in §16.5.11.H.(14)(b), in at least two different walls of the accessory structure.</u>
388	[5] <u>Be located outside the floodway.</u>
389 390 391	[6] When possible, be constructed and placed on the building site so as to offer the minimum resistance to the flow of floodwaters and be placed further from the source of flooding than is the primary structure; and
392 393 394	[7] <u>Have only ground fault interrupt electrical outlets. The electric service</u> disconnect shall be located above the base flood elevation and when possible, outside the special flood hazard area.
395	[8] Be located outside the Coastal AE Zone.
396 397	(b). Accessory structures located in Zones VE and Coastal A must meet the requirements of 16.5.11.H(18):
398	(13) Floodways.
399 400 401 402 403 404 405	(a). In Zones A1 30 and AE riverine areas, encroachments, including fill, new construction, substantial improvement, and other development, are not permitted within riverine areas, for which a regulatory floodway which is designated on the community's Flood Insurance Rate Map, unless a technical evaluation certified by a registered professional engineer is provided demonstrating that such encroachments will not result in any increase in flood levels within the community during the occurrence of the base flood discharge.
406 407 408 409 410 411 412	(b). In Zones A1 30 and AE riverine areas, for which no regulatory floodway is designated, encroachments, including fill, new construction, substantial improvement, and other development, are not permitted in the floodway as determined in §16.5.11.H.(13).(c) unless a technical evaluation certified by a registered professional engineer is provided demonstrating that the cumulative effect of the proposed development, when combined with all other existing development and anticipated development:
413 414	[1] Will not increase the water surface elevation of the base flood more than one foot at any point within the community; and

415 [2] Is consistent with the technical criteria contained in FEMA's guidelines and 416 standards for flood risk analysis and mapping. Section 2-7, entitled "Hydraulic 417 Analyses," Flood Insurance Study — Guidelines and Specifications for Study 418 Contractors, FEMA 37/September, 1985, as amended. 419 (c). In Zones A and AE riverine areas, in for which no regulatory floodway is designated, the regulatory floodway is determined to be the channel of the river or 420 other watercourse and the adjacent land areas to a distance of 1/2 the width of the 421 422 floodplain as measured from the normal high-water mark to the upland limit of the 423 floodplain, encroachments, including fill, new construction, substantial 424 improvement, and other development, are not permitted unless a technical 425 evaluation certified by a registered professional engineer is provided meeting 426 the requirements of Subsection 9(b) of this section. 427 (14) New construction or substantial improvement of any structure in Zones A $\frac{1}{20}$, or AE, 428 AO, AH and A that meets the development standards of this section, including the elevation 429 requirements of §16.5.11.H(8), (9) or (10), and is elevated on posts, columns, piers, piles, "stilts" or crawl spaces less than three feet in height may be enclosed below the base 430 431 **flood** elevation requirements provided all the following criteria are met or exceeded: 432 Walls, with the exception of crawl spaces less than three feet in height, must not be 433 part of the structural support of the building; and 434 (a). Enclosed areas are not "basements" as defined in §16.3; and 435 (b). Enclosed areas are to must be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwater. Designs for 436 437 meeting this requirement must either: 438 [1] Be <u>engineered and</u> certified by a registered professional engineer or architect; or 439 [2] Meet or exceed the following minimum criteria: 440 [a] A minimum of two openings having a total net area of not less than one square inch for every square foot of the enclosed area; 441 442 [b] The bottom of all openings must be below base flood elevation and may be 443 no higher than one foot above the lowest grade; and 444 [c] Openings may be equipped with screens, louvers, valves, or other coverings or 445 devices, provided that they permit the entry and exit of floodwaters 446 automatically without any external influence or control, such as human 447 intervention, including the use of electrical and other nonautomatic mechanical 448 means.; and 449 (c) The enclosed area may not be used for human habitation; and

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450 451 452	(d) The enclosed areas may be used are usable solely for building maintenance, access, parking of vehicles, or storage ing of articles and equipment used for maintenance of the building.
453 454	(15) New construction or substantial improvement of any bridge located within Zones A,1-30, AE, AO, AH, A, V1-30, and VE must be designed such that:
455 456	(a). When possible, the lowest horizontal member (excluding the pilings or columns) is elevated to at least one foot above the base flood elevation; and
457	(b). A registered professional engineer shall certify that:
458 459	[1] The structural design and methods of construction shall meet the elevation requirements of this section and the floodway standards of §16.5.11.H.(13); and
460 461 462 463	[2] The foundation and superstructure attached thereto are designed to resist flotation, collapse, and lateral movement due to the effects of wind and water loads acting simultaneously on all structural components. Water loading values used shall be those associated with the base flood.
464	(16) New construction or substantial improvement of any containment wall located within:
465	(a) Zones A, A1-30, AE, AO, AH, V1-30 and VE must:
466 467	[1] Have the containment wall elevated to at least one foot above the base flood elevation;
468 469	[2] Have structural components capable of resisting hydrostatic and hydrodynamic loads and the effects of buoyancy; and
470 471 472 473 474	[3] Be certified by a registered professional engineer or architect that the design and methods of construction are in accordance with accepted standards of practice for meeting the provisions of this section. Such certification shall be provided with the application for a Flood Hazard Development Permit, as required by §16.5.11.E.(11).
475 476 477	(17) New construction or substantial improvement of wharves, piers and docks are permitted in and over water and seaward of the mean high tide if the following requirements are met:
478 479	(a) In Zones A and AE, wharves, piers and docks must comply with all applicable local, state, and federal regulations; or

In Zone VE, wharves, piers and docks must have a registered professional

engineer shall develop or review the structural design, specifications and plans for

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481

482

(b)

the construction.

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	Blue hi	ghlight indicates major subsections for easier reference.
483	(18) Co	pastal floodplains.
484 485 486	(a)	All New construction located within Zones V1-V30 within Zones AE and VE must be located landward of the reach of the highest annual spring tide, except as provided by §16.5.11.(H).(18)(f).
487 488	(b)	New construction or substantial improvement of any structure located within Zones V1-30 AE or VE must:
489		[1] Be prohibited unless the following criteria are met:
490 491 492 493 494		 i. The area is zoned for general development or its equivalent, as defined in the Mandatory Shoreland Zoning guidelines adopted pursuant to 38 M.R.S. §438-A; or ii. The area is designated as densely developed as defined in 38 M.R.S. § 436-A, Subsection 3.
495		[1] Be elevated on posts or columns such that:
496 497 498		[a] The bottom of the lowest horizontal structural member of the lowest floor (excluding the pilings or columns) is elevated to one foot above the base flood elevation.google.com level.
499 500 501 502		[b] The pile or column foundation and the elevated portion of the structure attached thereto is anchored to resist flotation, collapse, and lateral movement due to the effects of wind and water loads acting simultaneously on all building components; and
503 504 505		[c] Water loading values used must be those associated with the base flood. Wind loading values used must be those required by applicable state and local building standards.
506		[2] Have the space below the lowest floor:
507		[a] Free of obstructions; or
508 509 510		[b] Constructed with open wood lattice-work, or insect screening intended to collapse under wind and water without causing collapse, displacement, or other structural damage to the elevated portion of the building or supporting piles or columns; or
511 512		[c] Constructed with non-supporting breakaway walls which have a design safe loading resistance of not less than 10 nor more than 20 pounds per square foot.
513		[3] Require a registered professional engineer or architect must to:
514 515		[a] Develop or review the structural design, specifications and plans for the construction, which must meet or exceed the technical criteria contained in the

515

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516		Coastal Construction Manual (FEMA-55/February, 1986); and
517		[b] Certify that the design and methods of construction to be used are in accordance
518		with accepted standards of practice for meeting the criteria of §16.5.11.H(18)(b).
519	[4	Must have the bottom of all electrical, heating, plumbing, ventilation and air
520		conditioning equipment, permanent fixtures and components, HVAC ductwork
521		and duct systems, and any other utility service equipment, facilities, machinery,
522		or connections servicing a structure, elevated to at least one foot above the base
523		flood elevation. Systems, fixtures, equipment, and components must not be
524		mounted on or penetrate through walls intended to break away under flood
525		<u>loads.</u>
526	(c)	The use of fill for structural support in Zones Coastal AE V1-30, and VE is prohibited.
527	(d) l	Human alteration of sand dunes within Zones Coastal AE V1-30, and VE is prohibited
528	ι	unless such alterations are part of a coastal resilience project such as revegetation
529	<u>(</u>	of dunes and unless it can be demonstrated by a registered professional engineer that
530	5	such alterations will not increase potential flood damage.
531	(e)	The enclosed areas below the lowest floor may must be used solely for parking
532	•	vehicles, building access, and storage.
533		Lobster sheds and fishing sheds may be located seaward of the mean high tide and
534		shall be exempt from the elevation requirement in §16.5.11.H.(9) only if permitted
535		as a special exception use following review and approval by the Planning Board, as
536	-	provided in §16.5.11.I, and if all the following requirements and those of
537		§16.5.11.H(1), §16.5.11.H(13) and §16.5.11.H.(14) are met.
538	[1]	The special exception use must be limited to low value structures such as metal
539		or woodsheds 200 square feet or less and must not exceed one story.
540	[2]	The structure must be securely anchored to the wharf or pier to resist flotation,
541		collapse, and lateral movement due to the effect of wind and water loads acting
542		simultaneously on all building components.
543	[3]	The structure must not adversely increase wave or debris impact forces affecting
544		nearby buildings.
545	[4]	The structure must have unfinished interiors and must not be used for human
546		habitation.
547	[5]	
548		either elevated or floodproofed to at least one foot above the base flood elevation
549	[6]	
550		disconnect shall be located on shore above the base flood elevation and when

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551]	possible outside the special flood hazard area.
552	L	Speci	al Exception Use Review
553	(1)	The	Planning Board will hear and decide upon applications for special exception
554		uses	s provided for in this ordinance. The Planning Board will hear and approve,
555			rove with conditions, or disapprove all applications for special exception uses.
556			applicant informed by the Code Enforcement Officer or Town Planner that a
557			cial exception use permit is required must file an application for the permit with
558			Planning Board.
559	(2)	Rev	iew procedure for a special exception flood hazard development permit
560		[a]	The flood hazard development permit application with additional information
561			attached addressing how each of the special exception use criteria specified in
562			this ordinance will be satisfied, may serve as the permit application for the
563			special exception permit.
564		[b]	Before deciding any application, the Planning Board must hold a public
565			hearing on the application within thirty (30) days of their receipt of the
566			application.
567		[c]	If the Planning Board finds that the application satisfies all relevant
568			requirements of the ordinance, the Planning Board must approve the
569			application or approve with conditions within 45 days of the date of the public
570			hearing.
571		[d]	A special exception permit issued under the provisions of this ordinance will
572			expire if the work or the change involved is not commenced within 180 days of
573			the issuance of the permit by the Planning Board.
574		[e]	The applicant must be notified by the Planning Board in writing over the
575			signature of the Chair of the Planning Board that The applicant must be
576			notified by the Planning Board in writing over the signature of the Chair of the
577			Planning Board that the National Flood Insurance Program and by extension,
578			those insurers under that program, will not offer insurance for structures
579			located entirely over water or seaward of mean high tide flood insurance is not
580			available for structures located entirely over water or seaward of mean high
581			tide.
582	(3)	Exp	ansion of Special Exception Uses
583		[a]	No existing building or use of any premises may be expanded or enlarged
584			without a permit issued under this section if that building or use was
585			established or constructed under a previously issued special exception permit
586			or if it is a building or use which would require a special exception permit if

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587	being newly-established or constructed under this ordinance.
588	J. Certificate of compliance.
589 590 591	(1) No land in a special flood hazard area may be occupied or used and no structure which is constructed or substantially improved may be occupied until a certificate of compliance is issued by the Code Enforcement Officer subject to the following provisions:
592 593	[a] For new construction or substantial improvement of any elevated structure allowed by this ordinance, the applicant must submit:
594 595 596	[1] The applicant must submit An elevation certificate completed by :- a registered professional Maine land surveyor, registered professional engineer, or architect for compliance with §16.5.11.H(8), (9), (10) or (18); and
597	A registered professional engineer or architect in the case of:
598	[1] Floodproofed, nonresidential structures, for compliance with § 16.5.11.H(7); and
599 600 601 602	[2] For structures in Zones Coastal AE (as defined) and VE, certification by a registered professional engineer or architect that the design and methods of cConstruction used are in compliance of structures in the coastal floodplains for compliance with §16.5.11.H.(18)(b).
603 604 605 606	(2) The applicanttion must submit written notification to the Code Enforcement Officer that the development is complete and complies with the provisions of this ordinance. for a certificate of compliance is to be submitted by the applicant in writing, along with a completed elevation certificate, to the Code Enforcement Officer.
607 608 609 610	(3) Within 10 working days, the Code Enforcement Officer is to must: review the application within 10 working days of receipt of the application and issue a certificate of compliance, provided the building conforms with the provisions of this article.
611 612	(a) Review the required certificate(s) and the applicant's written notification; and
613 614	(b) <u>Upon determination that the development conforms to the provisions of this ordinance, issue a certificate of compliance.</u>
615	K. Review of subdivision and development proposals.
616 617 618 619 620	(1) The Planning Board must, when reviewing subdivisions and other proposed developments that require review under other federal law, state law or local ordinances or regulations, and as well as all projects on five or more disturbed acres, or in the case of manufactured home parks divided into two or more lots, assure that:

621 (a) All such proposals are consistent with the need to minimize flood damage. 622 All public utilities and facilities, such as sewer, gas, electrical and water systems, (b) 623 are located and constructed to minimize or eliminate flood damages. Adequate drainage is provided so as to reduce exposure to flood hazards. 624 (c) All proposals include base flood elevation, flood boundaries, and, in a riverine 625 **(d)** floodplain, floodway data. These determinations shall be based on engineering 626 practices recognized by the Federal Emergency Management Agency. 627 628 **(e)** Any proposed development plan must include a statement condition of plan 629 approval that structures on any lot in the development having any portion of its land within a Special Flood Hazard Area are to be constructed in 630 631 accordance with §16.5.11.H of this ordinance requiring that the developer 632 will require that: 633 [1] sSuch requirements will be included in any deed, lease, purchase and sale 634 agreement, or document transferring or expressing an intent to transfer any interest in real estate or structure, including, but not limited to, a time-share 635 interest. The statement must clearly articulate that the municipality may enforce 636 any violation of the construction requirement and that fact is also to must also 637 638 be included in the deed or any other document previously described. The 639 construction requirement must also be clearly stated on any map, plat or plan to 640 be signed by the Planning Board or local reviewing authority as part of the 641 approval process. 642 L. Appeals and variances 643 644 The Board of Appeals may, upon written application of an aggrieved party, **(1)** 645 hear and decide appeals where it is alleged that there is an error in any order, requirement, decision, or determination made by, or failure to act by, the Code 646 Enforcement Officer or the Planning Board in the administration or 647 648 enforcement of the provisions of this Ordinance. Appeals of any requirement, decision or determination made by, or a failure to act by, the Planning Board 649 must go to the York County Superior Court per §16.2.12.B(1). 650 651 652 The Board of Appeals may grant a variance from the requirements of the **(2)** 653 ordinance consistent with state law and following criteria: (a) Variances must not be granted within any designated regulatory floodway if 654 any increase in flood levels during the base flood discharge would result. 655 656 (b) Variances will be granted only upon: 657 [1] A showing of good and sufficient cause, and

Key: Brown-orange underline and strikeout indicates State/FEMA-required amendments Blue highlight indicates major subsections for easier reference.

658	[2] A determination that should a flood comparable to the base flood
659	occur, the granting of a variance will not result in increased flood
660	heights, additional threats to public safety, public expense, or create
661	nuisances, cause fraud or victimization of the public, or conflict with
662	existing local laws or ordinances; and,
663	[3] A showing that the issuance of the variance will not conflict with other
664	state, federal, or local laws or ordinances; and
665	[4] A determination that failure to grant the variance would result in
666	"undue hardship," which in this sub-section means:
667	
668	[a] That the land in question cannot yield a reasonable return unless a
669	variance is granted; and
670	[b] That the need for a variance is due to the unique circumstances of
671	the property and not to the general conditions in the neighborhood;
672	<u>and</u>
673	[c] That the granting of a variance will not alter the essential character
674	of the locality; and
675	[d] That the hardship is not the result of action taken by the applicant
676	or a prior owner.
677	(3) Variances must only be issued upon a determination that the variance is the
678	minimum necessary, considering the flood hazard, to afford relief, and the
679	Board of Appeals may impose such conditions to a variance as is deemed
680	necessary.
681	incessur ye
682	(4) Variances may be issued for new construction, substantial improvements, or
683	other development for the conduct of a functionally dependent use provided
684	that:
685	mat.
686	(a) The criteria of §16.5.11.L(2) and (3) and §16.5.11.H(13) are met, and
687	(b) The structure or other development is protected by methods that minimize
688	flood damages during the base flood and create no additional threats to
689	public safety.
009	public safety.
690	(5) <u>Variances may be issued for the repair, reconstruction, rehabilitation, or</u>
691	restoration of historic structures upon the determination that:
692	
693	(a) The development meets the criteria of §16.5.11.L(2) and (3); and,
694	(b) The proposed repair, reconstruction, rehabilitation, or restoration will not

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695	preclude the structure's continued designation as a Historic Structure and
696	the variance is the minimum necessary to preserve the historic character and
697	design of the structure.
698	
699	(6) Variances may be issued for new construction and substantial improvement of
700	agricultural structures being used for the conduct of agricultural uses
701	provided that:
702	
703	(a) The development meets the criteria of §16.5.11.L(2) and (3); and,
704	(b) The development meets the criteria of §16.5.11.H(13) and (14).
705	
706	(7) Any applicant who meets the criteria of §16.5.11.L(2) and (3) and
707	§16.5.11.L(4), (5) or (6) shall be notified by the Board of Appeals in writing
708	over the signature of the Chairman of the Board of Appeals that:
709	over the signature of the chairman of the Board of rippears that
710	(a) The issuance of a variance to construct a structure below the base flood level
711	will result in greatly increased premium rates for flood insurance up to
712	amounts as high as \$25 per \$100 of insurance coverage; and,
/12	amounts as high as \$\pi 25 per \$100 or insurance coverage, and,
713	(b) Such construction below the base flood level increases risks to life and
714	property; and
,	
715	(c) The applicant agrees in writing that the applicant is fully aware of all the
716	risks inherent in the use of land subject to flooding, assumes those risks, and
717	agrees to indemnify and defend the municipality against any claims filed
718	against it that are related to the applicant's decision to use land located in a
719	floodplain and that the applicant individually releases the municipality from
720	any claims the applicant may have against the municipality that are related
721	to the use of land located in a floodplain.
/21	to the use of mile rocated in a frootpain.
722	(8) Any variances needed by the applicant must be approved prior to any required
723	Planning Board action through the subdivision or special exception process.
724	
	Mr. A al Durandana for Administrative and Maniers America
725	M. Appeal Procedure for Administrative and Variance Appeals
726	
727	(1) An administrative or variance appeal may be taken to the Board of Appeals by an
728	aggrieved party within thirty days after receipt of a written decision of the Code
729	Enforcement Officer or Planning Board.
730	
731	(2) <u>Upon being notified of an appeal, the Code Enforcement Officer or the Planning</u>
732	Board, as appropriate will transmit to the Board of Appeals all of the papers
733	constituting the record of the decision appealed from.
734	

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- 735 (3) The Board of Appeals must hold a public hearing on the appeal within thirty-five days of its receipt of an appeal request.
 737
 - (4) The person filing the appeal will have the burden of proof.
 - (5) The Board of Appeals must decide all appeals within thirty-five days after the close of the hearing, and issue a written decision on all appeals.
 - (6) The Board of Appeals must submit to the Code Enforcement Officer, a report of all variance actions, including justification for the granting of the variance and an authorization for the Code Enforcement Officer to issue a Flood Hazard Development Permit, which includes any conditions to be attached to said permit.
 - (7) Any aggrieved party who participated as a party during the proceedings before the Board of Appeals may take an appeal to Superior Court in accordance with State laws within forty-five days from the date of any decision of the Board of Appeals.

N. Enforcement and penalties

- (1) <u>It is the duty of the Code Enforcement Officer to enforce the provisions of this Ordinance</u> pursuant to Title 30-A MRSA § 4452.
- (2) The penalties contained in Title 30-A MRSA § 4452 apply to any violation of this Ordinance.
- (3) <u>In addition to other actions, the Code Enforcement Officer may, upon identifying a violation, submit a declaration to the Administrator of the Federal Insurance</u>
 Administration requesting a flood insurance denial. The valid declaration shall consist of:
 - (a) The name of the property owner and address or legal description of the property sufficient to confirm its identity or location;
 - (b) A clear and unequivocal declaration that the property is in violation of a cited State or local law, regulation, or ordinance;
 - (c) A clear statement that the public body making the declaration has authority to do so and a citation to that authority;
 - (d) Evidence that the property owner has been provided notice of the violation and the prospective denial of insurance; and,
 - (e) A clear statement that the declaration is being submitted pursuant to Section 1316 of the National Flood Insurance Act of 1968, as amended.

Blue highlight indicates major subsections for easier reference. O. Validity and severability 779 780 781 If any section or provision of this ordinance is declared by the courts to be invalid, such 782 decision does not invalidate any other section or provision of this ordinance. 783 784 P. Conflict with other ordinances 785 This ordinance will not in any way impair or remove the necessity of compliance with any 786 787 other applicable rule, ordinance, regulation, bylaw, permit, or provision of law. Where this ordinance imposes a greater restriction upon the use of land, buildings, or structures, the 788 789 provisions of this ordinance will control. 790 791 Q. Abrogation 792 793 This ordinance repeals and replaces any municipal ordinance previously enacted to comply 794 with the National Flood Insurance Act of 1968 (P.L. 90-488, as amended). 795 796 R. Disclaimer of liability 797

The degree of flood protection required by the ordinance is considered reasonable but does

798

799

800 801 not imply total flood protection.

Chapter 16.5.11, Floodplain Management Amendments – DRAFT – May 23, 2024 Key: Brown-orange underline and strikeout indicates State/FEMA-required amendments

Chapter 16.2.12, Decision appeal, variance and other requests –Floodplain Management Amendments – DRAFT – for May 23 public hearing

Key: Brown-orange underline and strikeout indicates State/FEMA-required amendments

16.2.12.F Basis for Decision

- (6) Appeals and Variances from floodplain requirements. The Board of Appeals may, upon written application of an aggrieved party, hear and decide appeals from determinations of the Code Enforcement Officer in the administration of the provisions of this chapter. The Board of Appeals may grant a variance from the requirements of §16.5.11, Floodplain Management, see §16.5.11.L.A et seq., consistent with state law and the following criteria:
 - (a) Variances may not be granted within any designated regulatory floodway if any increase in flood levels during the base flood discharge would result.
 - (b) Variances may be granted only upon:
 - [1] A showing of good and sufficient cause; and
 - [2] A determination that, should a flood comparable to the base flood occur, the granting of a variance will not result in increased flood heights, additional threats to public safety, public expense, or create nuisances, cause fraud or victimization of the public or conflict with existing local laws or ordinances; and
 - [3] A showing that the existence of the variance will not cause a conflict with other state, federal or local laws or ordinances; and
 - [4] A determination that failure to grant the variance would result in "undue hardship," which in this subsection means:
 - [a] That the land in question cannot yield a reasonable return unless a variance is granted; and
 - [b] That the need for a variance is due to the unique circumstances of the property and not to the general conditions in the neighborhood; and
 - [c] That the granting of a variance will not alter the essential character of the locality; and
 - [d] That the hardship is not the result of action taken by the applicant or a prior owner.
 - (c) Variances may only be issued upon a determination that the variance is the minimum necessary, considering the flood hazard, to afford relief.
 - (d) Variances may be issued by the Board of Appeals for new construction, substantial improvements, or other development for the conduct of a functionally dependent use, provided that:

Chapter 16.2.12, Decision appeal, variance and other requests –Floodplain Management Amendments – DRAFT – for May 23 public hearing

Key: Brown-orange underline and strikeout indicates State/FEMA-required amendments

- [1] Other criteria of this section and § 16.5.11H(9) are met; and
- [2] The structure or other development is protected by methods that minimize flood damages during the base flood and create no additional threats to public safety.
- (e) Variances may be issued by the Board of Appeals for the reconstruction, rehabilitation or restoration of structures listed on the National Register of Historic Places or a State Inventory of Historic Places, without regard to the procedures set forth in Subsection F(6)(a) through (d) of this section.
- (f) Any applicant who meets the criteria of Subsection F(6)(a) through (e) of this section is to be notified by the Board of Appeals, in writing, over the signature of the Chairperson of the Board of Appeals, that:
 - [1] The issuance of a variance to construct a structure below the base flood level will result in greatly increased premium rates for flood insurance, up to amounts as high as \$25 per \$100 of insurance coverage;
 - [2] Such construction below the base flood level increases risks to life and property; and
 - [3] The applicant agrees, in writing, that the applicant is fully aware of all the risks inherent in the use of land subject to flooding, assumes those risks and agrees to indemnify and defend the municipality against any claims filed against it that are related to the applicant's decision to use land located in a floodplain and that the applicant individually releases the municipality from any claims the applicant may have against the municipality that are related to the use of land located in a floodplain.
- (g) The Board of Appeals must submit to the Planning Board a report of all variance actions, including justification for the granting of the variance and an authorization for the Code Enforcement Officer to issue a flood hazard development permit, which includes any conditions to be attached to said permit.

FEMA Flood Zones

Note: A 1% percent-annual-chance-flood event (as in a 1% chance every year) is also known as a 100-year storm.

A: Areas subject to inundation by the 1-percent-annual-chance flood event are generally determined using approximate methodologies. Because detailed hydraulic analyses have not been performed, no Base Flood Elevations (BFEs), or flood depths are shown. Mandatory flood insurance purchase requirements and floodplain management standards apply.

AE, A1-A30: Areas subject to inundation by the 1-percent-annual-chance flood event determined by detailed methods. Base Flood Elevations (BFEs) are shown. Mandatory flood insurance purchase requirements and floodplain management standards apply.

AH: Areas subject to inundation by 1-percent-annual-chance shallow flooding, typically areas of ponding, where average depths are between one and three feet. Base Flood Elevations (BFEs) derived from detailed hydraulic analyses are shown in this zone. Mandatory flood insurance purchase requirements and floodplain management standards apply.

AO: Areas subject to inundation by 1-percent-annual-chance shallow flooding, usually sheet flow on sloping terrain, where average depths are between one and three feet. Average flood depths derived from detailed hydraulic analyses are shown in this zone. Mandatory flood insurance purchase requirements and floodplain management standards apply.

AR: Areas that result from the decertification of a previously accredited flood protection system that is determined to be in the process of being restored to provide base flood protection. Mandatory flood insurance purchase requirements and floodplain management standards apply.

A99: Areas are subject to inundation by the 1-percent-annual-chance flood event, but will ultimately be protected upon completion of an under-construction Federal flood protection system. These are areas of special flood hazard where enough progress has been made on the construction of a protection system, such as dikes, dams, and levees, to consider it complete for insurance rating purposes. Zone A99 may only be used when the flood protection system has reached specified statutory progress toward completion. No Base Flood

Elevations (BFEs) or depths are shown. Mandatory flood insurance purchase requirements and floodplain management standards apply.

V: Areas along coasts are subject to inundation by the 1-percent-annual-chance flood event with additional hazards associated with storm-induced waves. Because detailed hydraulic analyses have not been performed, no Base Flood Elevations (BFEs) or flood depths are shown. Mandatory flood insurance purchase requirements and floodplain management standards apply.

VE, V1-V30: Areas subject to inundation by the 1-percent-annual-chance flood event with additional hazards due to storm-induced velocity wave action. Base Flood Elevations (BFEs) derived from detailed hydraulic analyses are shown. Mandatory flood insurance purchase requirements and floodplain management standards apply.

D: Areas with possible but undetermined flood risk. No analysis of flood hazards has been conducted in these areas.

X (shaded), **B**:Areas of moderate flood hazard between limits of the 1-percent-annual-chance floodplain and the 0.2-percent-annual-chance floodplain. Note: zone B is being replaced with shaded zone X on new FIRMs.

X (unshaded), C:Areas of minimal flood hazards outside 0.2-percent-annual-chance floodplain. Note: zone C is being replaced with unshaded zone X on new FIRMs.

Frequently Asked Questions

1. What is a floodplain management program?

Floods can happen everywhere, but most insurance policies do not cover flood damage. Since 1968, the National Flood Insurance Program (NFIP) has made subsidized flood insurance available to property owners, renters, and businesses in flood-prone areas—but only in communities that have adopted land use ordinances and flood maps that identify and regulate development in flood-prone areas. The Town of Kittery floodplain management ordinance and flood map form its floodplain management program.

2. What is a flood map?

Flood maps—known as Flood insurance Rate Maps (FIRMs)—show how likely it is that an area will flood. These maps are a tool that communities use to identify which areas have the highest risk of flooding and are an integral part of the Town's floodplain management program. Flood maps are also used by mortgage lenders to determine flood insurance rates and requirements.

3. Who updates flood maps?

The Federal Emergency Management Agency (FEMA) is responsible for maintaining and updating flood maps for the 20,000 communities nationwide that participate in the National Flood Insurance Program. Each year, FEMA conducts studies of flood hazards and selects certain communities for FEMA-initiated mapping updates.

4. How are flood maps updated?

Typically, flood maps are updated through a FEMA-initiated mapping update. After conducting flood hazard studies, FEMA issues proposed new flood maps—known as Preliminary Maps. Two key steps must happen for FEMA's Preliminary Maps to become final:

- Letter of Final Determination: After FEMA issues its Preliminary Maps, a 90-day appeal period starts. During this appeal period, a community may file a written objection to FEMA and propose an alternative engineering analysis of flood hazards and alternative flood maps. The community must prove to FEMA that its alternative analysis and maps are scientifically and technically more accurate than the Preliminary Maps. If no appeals are filed, or once all appeals are resolved, FEMA issues a Letter of Final Determination (LFD) that establishes an effective date for the updated flood maps. The effective date is typically six months after the LFD date.
- Community Adoption: Once FEMA issues the LFD, affected communities have six months to adopt or amend their floodplain management program, including the updated flood maps, through their usual ordinance adoption process. This is known as community adoption.

The Preliminary Maps become effective on the date listed in the LFD. After the effective date, the flood maps are referred to as Flood Insurance Rate Maps or FIRMs.

Community Adoption -

The process by which a municipality adopts or amends its floodplain management program.

FEMA - The Federal Emergency Management Agency.

FIRM - The official Flood Insurance Rate Map, or flood map, for a community.

Floodplain Management Program - A municipality's floodplain management rules and flood map that allows property owners, renters, and businesses to buy subsidized flood insurance through the NFIP.

LFD - Letter of Final Determination, which is issued by FEMA after all appeals of its Preliminary Maps are resolved.

LOMR - Letter of Map Revision, generally initiated by a landowner by which FEMA can officially revise specific portions of a flood map.

NFIP - The National Flood Insurance Program managed by FEMA and delivered to the public by private insurance companies and the federal government.

Preliminary Map – A flood map proposed by FEMA as part of a FEMA-initiated mapping update.

5. Is FEMA proposing flood map updates for the Town of Kittery?

Yes. The flood maps for the Town have not been updated by FEMA since 1986. FEMA initiated map updates for the communities in York County many times over the past fifteen years, starting in 2009 and continuing through 2023.

6. Why have the Preliminary Maps for York County not been finalized yet?

FEMA's Preliminary Maps for York County exaggerate the flood risks in certain coastal areas and, if adopted without revision, would cause some property owners to need to purchase costly flood insurance even though flood risks on their properties may be low. For this reason, in October 2018, a handful of municipalities, including the Town of Kittery, appealed FEMA's Preliminary Maps. The municipalities hired an environmental engineering firm to develop an alternative hydrogeological model and analysis that identifies, with greater scientific accuracy than FEMA's Preliminary Maps, the likely flood hazard areas along the coast. In August 2019, FEMA determined that the alternative model contained a unit conversion error—specifically, a part of the model was left in meters and not converted to feet. Despite requests to allow the engineering firm to correct this minor error, FEMA denied all of the municipal appeals.

Two municipalities challenged the denial, which delayed FEMA's issuance of the Letter of Final Determination (LFD) for several years. The appeals have now been resolved and FEMA issued its LFD for York County on January 17, 2024. Affected municipalities now have six months from the LFD issue date—until July 17, 2024—to incorporate FEMA's updated flood maps into their floodplain management program.

7. What is a LOMR and how will it affect community adoption of FEMA's Preliminary Maps?

Town officials considered challenging FEMA's denial, but ultimately concluded that a legal challenge would be costly and risky. Instead, the Town pursued a community-initiated flood map revision process—known as the Letter of Map Revision (LOMR)—to surgically correct the exaggerated flood risks on FEMA's Preliminary Maps.

A LOMR does not replace a flood map or the process by which FEMA updates its flood maps. Rather, the LOMR process allows a community to petition FEMA to revise flood hazard information on a specific part of a flood map, known as a panel. A revised panel, once approved by FEMA, is automatically incorporated into the flood map. No community adoption process is required.

Using the LOMR process, the Town is working with FEMA to ensure that appropriate adjustments to the exaggerated flood risks on FEMA's Preliminary Maps are incorporated into the updated flood maps on or shortly after July 17, 2024—the FIRM effective date.

8. What happens if the Town does not timely update floodplain management program?

A community that fails to adopt the updated flood maps within the six-month community adoption period will be suspended from the National Flood Insurance Program (NFIP). Suspension from the NFIP will have immediate adverse effects: flood insurance policies cannot be renewed and new policies cannot be written. In addition, mortgage loans and disaster assistance are severely limited in communities that are suspended from the NFIP.

9. How do I determine how the updated floodplain management program will affect my property and development plans?

FEMA's Preliminary Maps, as well as the Town-initiated LOMRs, can be reviewed at the Kittery Town Hall at 200 Rogers Road, Kittery, Maine 03904. If you have any questions about the floodplain management program update or its effect on your property, please contact Kathy Connor, Project planner, at (207) 475-1325 or KConnor@kitteryme.org.



Fact Sheet

Using the Limit of Moderate Wave Action (LiMWA) to Build Safer and Stronger Coastal Communities

The National Flood Insurance Program (NFIP) depicts coastal flood hazards in two different zones on Flood Insurance Rate Maps (FIRMs):

- Zone VE, also known as the Coastal High Hazard Area (CHHA), where flood hazards include wave heights equal to or greater than 3 feet; and
- Zone AE, where flood hazards include wave heights less than 3 feet.

Due to the high risk of structural damage, buildings within Zone VE must adhere to more stringent building requirements. Communities should also be adopting the most up-to-date building codes to ensure buildings are protected from the potential hazards of high-risk floods.

Over the past decade, post-storm surveys of damage and laboratory tests have confirmed that wave heights as small as 1.5 feet can cause significant damage to coastal structures that are not built to withstand these hazards. This fact sheet describes how to use the information that is available to improve construction standards in coastal communities that have not adopted the most recent International Building Codes (I-Codes).

On a FIRM, FEMA identifies where waves can reach heights of 1.5 feet or greater using a line called the Limit of Moderate Wave Action (LiMWA). Through the LiMWA shown on the FIRMs, homeowners and communities can better understand which portions of Zone AE are at risk of high wave energy. These portions, which make up the area between the LiMWA and Zone VE, are referred to collectively as the Coastal A Zone.

While FEMA does not impose floodplain management requirements based on the LiMWA, the LiMWA communicates that a greater risk of flood damage is present in the Coastal A Zone.

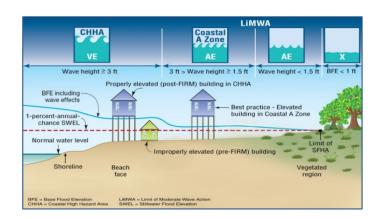
FEMA encourages the practice of building to Zone VE standards within the Coastal A Zone, and many local building codes **require** that buildings in the Coastal A Zone be built to Zone VE standards to be better protected from the dangers posed by waves.

Zone VE Building Standards for Coastal Communities

Communities that adopt Zone VE standards in the Coastal A Zone can receive Community Rating System (CRS) credits, which could lower flood insurance premiums for residents and business owners.

- 1. Buildings must be elevated on pile, post, pier, or column foundations.
- 2. Buildings must be adequately anchored to the foundation.
- 3. Structural fill is prohibited.
- 4. The bottom of the lowest horizontal structural member must be at or above the Base Flood Elevation (BFE).
- 5. The area below the BFE must be built of flood-resistant materials and free of obstructions. If enclosed, the enclosure must be made of lightweight wood lattice, insect screening, or breakaway walls.
- 6. The building design and method of construction must be certified by a design professional.

For specific requirements, refer to Title 44 of the Code of Federal Regulations, Section 60.3.



"FEMA's mission is to support our citizens and first responders to ensure that as a nation we work together to build, sustain, and improve our capability to prepare for, protect against, respond to, recover from, and mitigate all hazards."

Effects on Floodplain Management

- For their safety, communities are encouraged to adopt the most recent I-Codes, but at minimum, to adopt construction standards in the Coastal A Zone similar to those for Zone VE. (Refer to the sidebar on page 1 for a summary.)
- Many communities adopt a requirement for a structure to be built a few feet above the BFE, which is the potential height of a 1percent-annual-chance flood. This added elevation, called freeboard, has at least two benefits: it adds a factor of safety to protect against flooding damage, and it reduces flood insurance premium costs.

Requiring design and construction within the Coastal A Zone to meet Zone VE standards is a minimum requirement under widely adopted, consensus model building codes (International Building Code and International Residential Code) as well as FEMA assistance programs.

 CRS credits are available for participating communities that adopt Zone VE building standards in the Coastal A Zone. For more information on CRS, visit: www.fema.gov/national-flood-insurance-program-community-rating-system.

Effects on Property Owners

- Residents and business owners living or working in the Coastal A Zone should be aware that potential wave action and floating debris could cause significant damage to their property. Property owners are encouraged to exceed the minimum requirements and build "safer and higher" to reduce the risk to life and property.
- Although the risk of damage is higher in the Coastal A Zone than in other Zone AE areas, NFIP rates for properties in the Coastal A Zone do not differ from those in other Zone AE areas.
- A federal requirement to purchase flood insurance applies in Zones V, VE, A, and AE. Property owners are encouraged to carry coverage equivalent to the replacement cost of their building and to include additional coverage for the contents of their property.

Options for Communities to Account for Coastal A Zones in Construction

The following paragraphs provide options and sample ordinance language that communities can consider to implement higher standards in the Coastal A Zone. Ideally, communities should adopt the most recent I-Codes, which recognize the Coastal A Zone and provide construction requirements for those areas. Building codes represent the most comprehensive approach to addressing construction within the Coastal A Zone. The options below provide varying levels of increased protection, and communities can choose what is most suitable for their needs. Communities should consult their legal departments to ensure the ordinance language complies with other community standards and regulations.

Adopt Zone VE standards for all properties* (most protective option)

With this option, all development in the Coastal A Zone would be subject to the same building requirements enforced by the community in Zone VE. These requirements would include the building standards highlighted on the first page of this fact sheet and apply to all new construction, substantially damaged buildings, and buildings undergoing substantial improvements.

Substantial Damage refers to the damage sustained by a building where the cost of restoring the building to its pre-damaged condition would equal or exceed 50 percent of the building's market value before the damage occurred.

Substantial Improvement refers to enhancements or repairs that will cost 50 percent or more of the building's preimprovement market value (unless otherwise specified by the community).

^{*}When using Zone VE standards in the Coastal A Zone, breakaway walls should include the appropriate number of flood openings to equalize hydrostatic loads in the enclosure. If the flood openings are not required by code, the lack of flood openings for the enclosure will result in increased flood insurance premiums.

[&]quot;FEMA's mission is to support our citizens and first responders to ensure that as a nation we work together to build, sustain, and improve our capability to prepare for, protect against, respond to, recover from, and mitigate all hazards."

Adopt Zone VE standards for residential structures, but continue to apply Zone AE requirements for non-residential structures*

With this option, all new residential construction, including substantial improvements and substantial damage repairs, would be subject to the same building requirements enforced by the community in Zone VE. Sample language includes:

- All new residential construction, substantial improvements, and repairs to substantially damaged buildings must comply with the building standards for Zone VE; and
- All new non-residential construction, substantial improvements, and repairs to substantially damaged buildings must comply with the community floodplain ordinance for development in Zone AE.

Additionally, communities could consider applying Zone VE standards to "light-framed construction" in the Coastal A Zone. (Wave damage is expected to be greater in buildings constructed using wood framing or light-gauge metal framing.)

Adopt Zone VE standards for new construction only*

For this option, Zone VE standards would apply only to new construction. Sample language for this option includes:

- All new construction must comply with the building standards for Zone VE; and
- All residential and non-residential buildings undergoing substantial improvement/repair must comply with the community's floodplain ordinance for Zone AE development.

Adopt Zone VE standards for critical facilities only*

Sample language for this option includes:

• All new construction and substantial improvement or repair of critical facilities or those undergoing substantial improvements in the Coastal A Zone must comply with the building standards for Zone VE.

Adopt increased elevation requirements above the BFE—freeboard (least protective option)*

While this option should reduce damage to a building's floor system and walls, the foundation system will need to be designed to resist the hazards posed by waves and address scour and erosion.

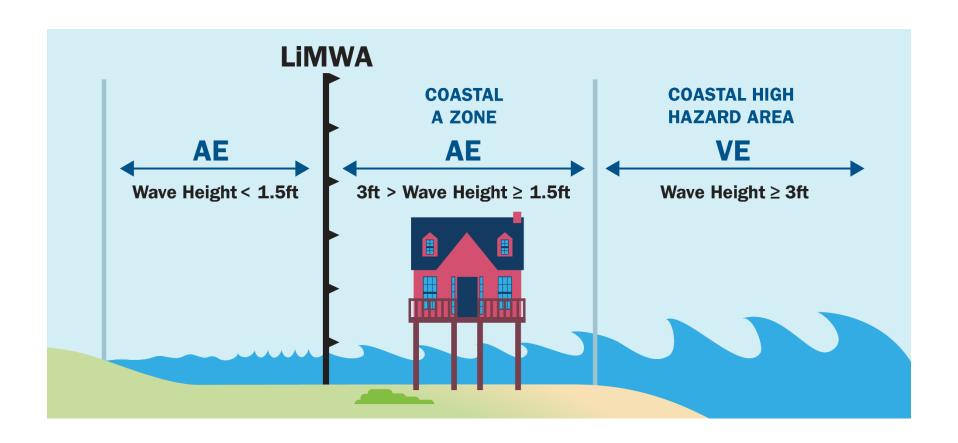
- Open foundations are recommended, with the option of a designed stem wall foundation (a continuous wall
 foundation with structural fill placed behind the wall system and the building constructed on a continuous
 slab, which caps the structural fill). The slab elevation should meet the freeboard requirements. Continuous
 wall foundations with a crawlspace should be avoided unless they are designed to resist breaking wave
 loads.
- All foundations should be sufficiently deep to resist scour and erosion. Scour around continuous foundation walls can be significantly deeper than around pile foundations (open and deep foundations).
- Pier foundations should also be designed to resist breaking wave loads and impact loads. Footings should account for scour and erosion.

Communities that only adopt increased freeboard requirements should expect buildings constructed in Coastal A Zones to experience more damage during a flood than buildings designed to Zone VE requirements.

For More Information

- To obtain model ordinances, check with your State NFIP Coordinator.
- For more information on NFIP floodplain management requirements, visit: https://www.fema.gov/media-library/assets/documents/902

^{*}When using Zone VE standards in the Coastal A Zone, breakaway walls should include the appropriate number of flood openings to equalize hydrostatic loads in the enclosure. Even if the flood openings are not required by code, the lack of flood openings for the enclosure will result in increased flood insurance premiums.

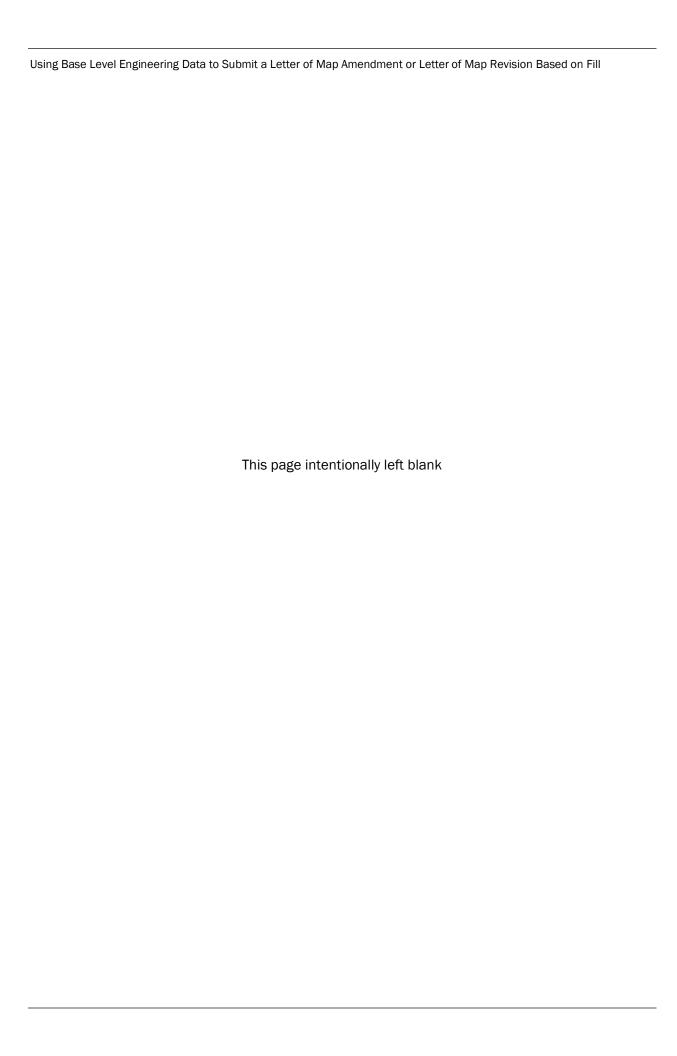




Using Base Level Engineering Data to Submit a Letter of Map Amendment or Letter of Map Revision Based on Fill

August 2022





What Are LOMAs and LOMR-Fs?

FEMA uses scientifically and technically sound methods for flood studies. The agency is also careful to accurately apply the results of these studies on Flood Insurance Rate Maps (FIRMs). Because of scale limitations, however, FIRMs cannot reflect every rise and fall in terrain. Some small areas of high ground may be included in a Special Flood Hazard Area (SFHA).

Knowing that this occurs, FEMA set up ways for residents to change the zone designation for their property. These are the Letter of Map Amendment (LOMA) and the Letter of Map Revision-Based on Fill (LOMR-F).

- A LOMA applies to property on naturally high ground; or
- A LOMR-F applies to property that was elevated by the placement of fill.

The property's elevation is compared to the area's Base Flood Elevation (BFE). This is the height of the 1%-annual-chance flood. If the lowest ground touching a building (including a basement, deck, garage, etc.) is at or above the BFE, the building is found to be outside the SFHA. In that case, FEMA can issue a LOMA or LOMR-F removing the SFHA designation.

Anyone who owns, rents or leases property may use these processes. They will need to gather certain information. In most cases, they will need to hire a professional (e.g., licensed land surveyor, registered engineer) to certify the property's elevation and find the BFE.

How Can BLE Data Support a LOMA or LOMR-F Submittal?

A building's Lowest Adjacent Grade (LAG) is the elevation of the lowest ground that touches it. This includes a basement, deck, garage, or other attached parts. A LOMA or LOMR-F for a building compares the BFE to the LAG. If the LAG is at or above the BFE, the building is considered outside the SFHA.

However, flood maps do not show BFEs in Zone A, and many older Zone A studies do not have BFEs available. Base Level Engineering (BLE) data can be a good resource to find BFEs for Zone A areas where BFEs are not already available.

A licensed surveyor or professional engineer can provide a structure's LAG for a LOMA or LOMR-F request. However, other professionals may be needed to determine a BFE in Zone A. With help from community staff, BLE datasets allow property owners, surveyors, and others to easily determine BFEs.



What Is Base Level Engineering (BLE)?

BLE analyses combine high-resolution ground elevation datasets with modeling technology. They create high-quality engineering models and flood hazard data. This data provides flood elevations and other useful data for each stream that is studied. BLE analyses can be used to determine BFEs in Zone A areas.

BLE results may not replace the published BFEs on an effective FIRM. Those BFEs are based on FEMA's enhanced studies (e.g., for Zone AE). For LOMAs in those areas, people can get the BFE data from the Flood Insurance Study report.

Keep in mind that the effective FIRM dictates a structure's official flood zone. Only a LOMA, LOMR-F, or other map revision can update this flood zone. These updates should be based on the best available information. In Zone A, where there is no supporting water surface elevation information, BLE results may be considered the best available information.

If a BLE dataset is used to determine a BFE for a LOMA or LOMR-F, please note that on the MT-1 documents. These should include a reference for where to find the 1%-annual-chance estimated elevation or how it was determined. When adding BLE data to the Elevation Certificate for a LOMA (or LOMR-F) application, the surveyor should check the "Other/Source" box (section B10) and indicate "Base Level Engineering."

Property owners, developers, engineers, and surveyors should contact the community's floodplain administrator to check that the correct flood hazard information is being used to determine BFEs. This applies to Elevation Forms, LOMAs, LOMR-Fs, and development projects. Projects may be new construction, substantial improvements, or other development as defined by a community's flood damage prevention ordinance.

RESOURCES

Find more information on BLE, LOMR-Fs and LOMAs here:

- Base Level Engineering Analyses and Mapping Guidance: https://go.usa.gov/xeJ7m
- LOMA and LOMR-F Process: https://go.usa.gov/xsMBJ
- MT-1 and MT-EZ Application Forms and Instructions: https://go.usa.gov/xsMKq
- Online Letter of Map Change Web Application: https://go.usa.gov/xsMKa
- Elevation Certificate: https://go.usa.gov/xG5m3



Federal Emergency Management Agency

Washington, D.C. 20472 March 5, 2024

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Kendra Amaral Manager, Town of Kittery 200 Rogers Road Kittery, ME 03904 IN REPLY REFER TO:

Case No.: 24-01-0142P

Community Name: Town of Kittery, ME

Community No.: 230171

Effective Date of

This Revision: July 18, 2024

Dear Kendra Amaral:

The Flood Insurance Rate Map (FIRM) for your community has been revised by this Letter of Map Revision (LOMR). Please use the enclosed annotated map panels revised by this LOMR for floodplain management purposes and for all flood insurance policies and renewals issued in your community.

Additional documents are enclosed that provide information regarding this LOMR. Please see the List of Enclosures below to determine which documents are included. Other enclosures specific to this request may be included as referenced in the Determination Document. If you have any questions regarding floodplain management regulations for your community or the National Flood Insurance Program (NFIP) in general, please contact the Consultation Coordination Officer for your community. If you have any technical questions regarding this LOMR, please contact the Director, Mitigation Division of the Department of Homeland Security's Federal Emergency Management Agency (FEMA) in Boston, Massachusetts, at (617)956-7576, or the FEMA Mapping and Insurance eXchange toll free at 1-877-336-2627 (1-877-FEMA MAP). Additional information about the NFIP is available on our website at https://www.fema.gov/flood-insurance.

Sincerely,

Patrick "Rick" F. Sacbibit, P.E., Branch Chief Engineering Services Branch

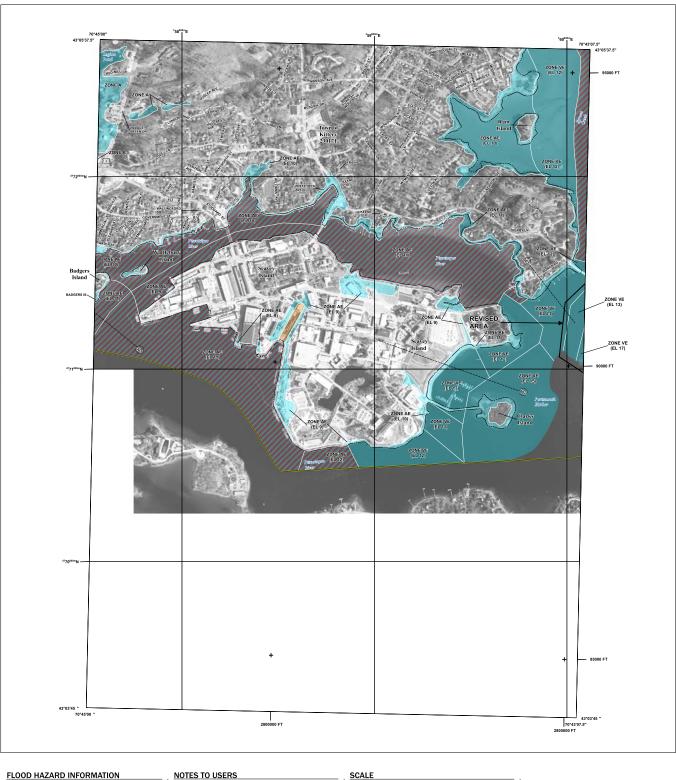
Federal Insurance and Mitigation Administration

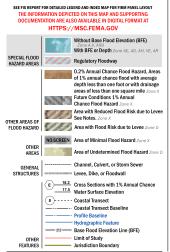
List of Enclosures:

Letter of Map Revision Determination Document Annotated Flood Insurance Rate Map

cc: Jason Garnham
Director of Planning and Development
Town of Kittery

Scott Hayward, P.E. Associate Project Manager Ransom Consulting, Inc.





To determine if flood insurance is available in this community, contact your insurance agent or call the Natio Flood Insurance Program at 1-800-638-8620.

Basemap information shown on this FIRM provided in digital format by State of Maine, Maine office of GIS (MeGIS). This information was derived from MeGIS, dated 2012.

The map reflects more detailed and up-to-date stream channel configurations than those shown on the pre-FIRM for this jurisdiction. The floodplains and floodways that were transfarred from the previous FIRM may been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and may reflect stream channel distances that office from what is shown on the

Map Projection: NAD 1983 UTM Zone 19N; Western Hemisphere; Vertical D 1 inch = 500 feet 0 500 1:6,000

PANEL LOCATOR

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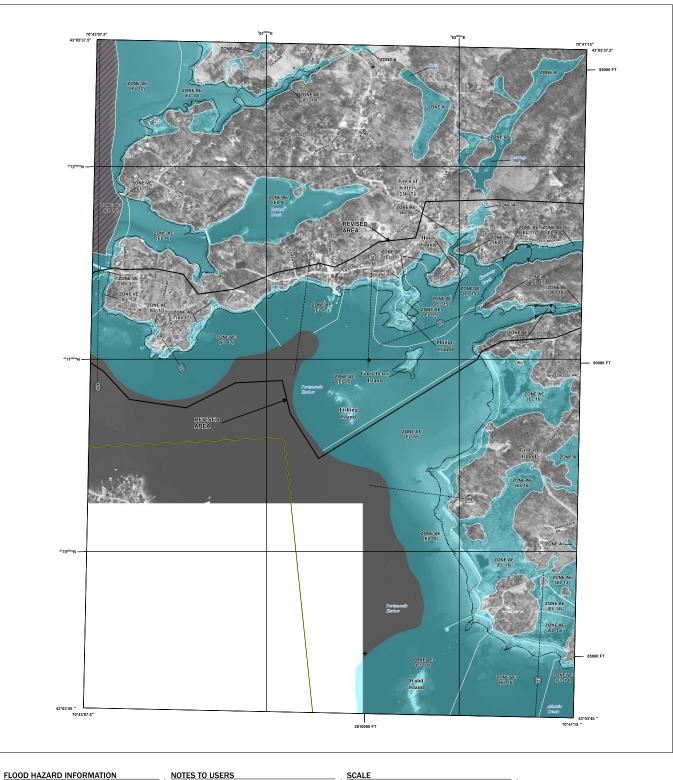


COMMUNITY

PANEL SUFFIX



VERSION NUMBER 2.3.2.1 MAP NUMBER 23031C0728G July 17, 2024





Basemap information shown on this FIRM provided in digital format by State of Maine, Maine office of GIS (MeGIS). This information was derived from MeGIS, dated 2012.

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PANEL LOCATOR

NATIONAL FLOOD INSURANCE PROGRAM National Flood Insurance Program

YORK COUNTY, MAINE

PANEL 0729 OF 0800



COMMUNITY

FEMA

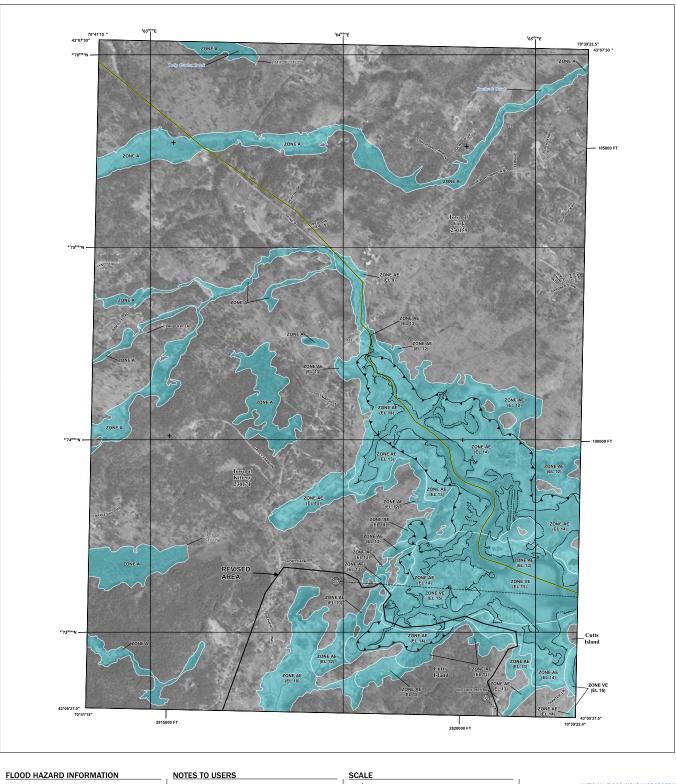
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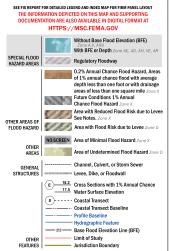
PANEL SUFFIX

REVISED TO REFLECT LOWR EFFECTIVE: July 18, 2024



VERSION NUMBER 2.3.2.1 MAP NUMBER 23031C0729G July 17, 2024





To determine if flood insurance is available in this community, contact your insurance agent or call the Flood insurance Program at 1-800-838-8620.

Basemap information shown on this FIRM provided in digital format by State of Maine, Maine office of GIS (MeGIS). This information was derived from MeGIS, dated 2012.

The map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this principles. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and FIDT may reflect stream channel distances that differ from what is shown on the map.

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Limit of Moderate Wave Action (LIMWA)

Map Projection: NAD 1983 UTM Zone 19N; Western Hemisphere; Vertical I 1 inch = 500 feet 1:6,000

PANEL LOCATOR

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NATIONAL FLOOD INSURANCE PROGRAM **FEMA** National Flood Insurance Program

YORK COUNTY, MAINE



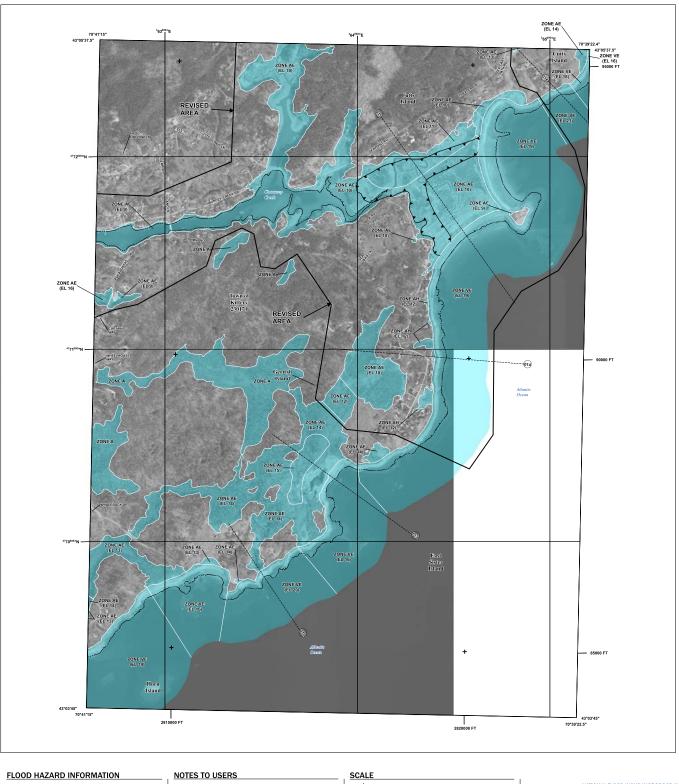
COMMUNITY

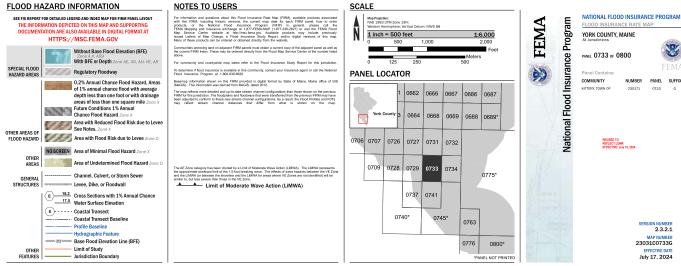
PANEL SUFFIX

REVISED TO REFLECT LOWR EFFECTIVE: July 18, 2024



VERSION NUMBER 2.3.2.1 MAP NUMBER 23031C0731G July 17, 2024







MEMORANDUM

то:	Kendra Amaral, Town Manager Jason Garnham, AICP, Director of Planning & Development Kathy Connor, Project Planner Town of Kittery
FROM:	Aga Dixon Drummond Woodsum
DATE:	February 12, 2024
RE:	Floodplain Management Program Updates—Frequently Asked Questions

Please find enclosed a fact sheet summarizing the floodplain management program and the related community adoption and Letter of Map Revision (LOMR) processes. Feel free to use this information as part of your community outreach. If you decide to publish the fact sheet, I'd very much appreciate it if you could leave intact the Drummond Woodsum attribution at the bottom of the sheet.

If you need anything else, please don't hesitate to contact me.

/AAD

Frequently Asked Questions

1. What is a floodplain management program?

Floods can happen everywhere, but most insurance policies do not cover flood damage. Since 1968, the National Flood Insurance Program (NFIP) has made subsidized flood insurance available to property owners, renters, and businesses in flood-prone areas—but only in communities that have adopted land use ordinances and flood maps that identify and regulate development in flood-prone areas. The Town of Kittery floodplain management ordinance and flood map form its floodplain management program.

2. What is a flood map?

Flood maps—known as Flood Insurance Rate Maps (FIRMs)—show how likely it is that an area will flood. These maps are a tool that communities use to identify which areas have the highest risk of flooding and are an integral part of the Town's floodplain management program. Flood maps are also used by mortgage lenders to determine flood insurance rates and requirements.

3. Who updates flood maps?

The Federal Emergency Management Agency (FEMA) is responsible for maintaining and updating flood maps for the 20,000 communities nationwide that participate in the National Flood Insurance Program. Each year, FEMA conducts studies of flood hazards and selects certain communities for FEMA-initiated mapping updates.

4. How are flood maps updated?

Typically, flood maps are updated through a FEMA-initiated mapping update. After conducting flood hazard studies, FEMA issues proposed new flood maps—known as Preliminary Maps. Two key steps must happen for FEMA's Preliminary Maps to become final:

- Letter of Final Determination: After FEMA issues its Preliminary Maps, a 90-day appeal period starts. During this appeal period, a community may file a written objection to FEMA and propose an alternative engineering analysis of flood hazards and alternative flood maps. The community must prove to FEMA that its alternative analysis and maps are scientifically and technically more accurate than the Preliminary Maps. If no appeals are filed, or once all appeals are resolved, FEMA issues a Letter of Final Determination (LFD) that establishes an effective date for the updated flood maps. The effective date is typically six months after the LFD date.
- Community Adoption: Once FEMA issues the LFD, affected communities have six months to adopt or amend their floodplain management program, including the updated flood maps, through their usual ordinance adoption process. This is known as community adoption.

The Preliminary Maps become effective on the date listed in the LFD. After the effective date, the flood maps are referred to as Flood Insurance Rate Maps or FIRMs.

Community Adoption -

The process by which a municipality adopts or amends its floodplain management program.

FEMA - The Federal Emergency Management Agency.

FIRM - The official Flood Insurance Rate Map, or flood map, for a community.

Floodplain Management
Program - A municipality's
floodplain management
rules and flood map that
allows property owners,
renters, and businesses to
buy subsidized flood
insurance through the NFIP.

LFD - Letter of Final Determination, which is issued by FEMA after all appeals of its Preliminary Maps are resolved.

LOMR - Letter of Map Revision, generally initiated by a landowner by which FEMA can officially revise specific portions of a flood map.

NFIP - The National Flood Insurance Program managed by FEMA and delivered to the public by private insurance companies and the federal government.

Preliminary Map – A flood map proposed by FEMA as part of a FEMA-initiated mapping update.

5. Is FEMA proposing flood map updates for the Town of Kittery?

Yes. The flood maps for the Town have not been updated by FEMA since 1986. FEMA initiated map updates for the communities in York County many times over the past fifteen years, starting in 2009 and continuing through 2023.

6. Why have the Preliminary Maps for York County not been finalized yet?

FEMA's Preliminary Maps for York County exaggerate the flood risks in certain coastal areas and, if adopted without revision, would cause some property owners to need to purchase costly flood insurance even though flood risks on their properties may be low. For this reason, in October 2018, a handful of municipalities, including the Town of Kittery, appealed FEMA's Preliminary Maps. The municipalities hired an environmental engineering firm to develop an alternative hydrogeological model and analysis that identifies, with greater scientific accuracy than FEMA's Preliminary Maps, the likely flood hazard areas along the coast. In August 2019, FEMA determined that the alternative model contained a unit conversion error—specifically, a part of the model was left in meters and not converted to feet. Despite requests to allow the engineering firm to correct this minor error, FEMA denied all of the municipal appeals.

Two municipalities challenged the denial, which delayed FEMA's issuance of the Letter of Final Determination (LFD) for several years. The appeals have now been resolved and FEMA issued its LFD for York County on January 17, 2024. Affected municipalities now have six months from the LFD issue date—until July 17, 2024—to incorporate FEMA's updated flood maps into their floodplain management program.

7. What is a LOMR and how will it affect community adoption of FEMA's Preliminary Maps?

Town officials considered challenging FEMA's denial, but ultimately concluded that a legal challenge would be costly and risky. Instead, the Town pursued a community-initiated flood map revision process—known as the Letter of Map Revision (LOMR)—to surgically correct the exaggerated flood risks on FEMA's Preliminary Maps.

A LOMR does not replace a flood map or the process by which FEMA updates its flood maps. Rather, the LOMR process allows a community to petition FEMA to revise flood hazard information on a specific part of a flood map, known as a panel. A revised panel, once approved by FEMA, is automatically incorporated into the flood map. No community adoption process is required.

Using the LOMR process, the Town is working with FEMA to ensure that appropriate adjustments to the exaggerated flood risks on FEMA's Preliminary Maps are incorporated into the updated flood maps on or shortly after July 17, 2024—the FIRM effective date.

8. What happens if the Town does not timely update floodplain management program?

A community that fails to adopt the updated flood maps within the six-month community adoption period will be suspended from the National Flood Insurance Program (NFIP). Suspension from the NFIP will have immediate adverse effects: flood insurance policies cannot be renewed and new policies cannot be written. In addition, mortgage loans and disaster assistance are severely limited in communities that are suspended from the NFIP.

9. How do I determine how the updated floodplain management program will affect my property and development plans?

FEMA's Preliminary Maps, as well as the Town-initiated LOMRs, can be reviewed at the Kittery Town Hall at 200 Rogers Road, Kittery, Maine 03904. If you have any questions about the floodplain management program update or its effect on your property, please contact Kathy Connor, Project planner, at (207) 475-1325 or KConnor@kitteryme.org.

