

WARRANT ARTICLE 3

Zoning Ordinance Language

SECTION XII.1

FLOODPLAIN MANAGEMENT ORDINANCE

A. PURPOSE

Certain areas of the Little Boar's Head District, New Hampshire are subject to periodic flooding, causing serious damages to properties within these areas. Relief is available in the form of flood insurance as authorized by the National Flood Insurance Act of 1968. Therefore, the Little Boar's Head District, New Hampshire has chosen to become a participating community in the National Flood Insurance Program, and agrees to comply with the requirements of the National Flood Insurance Act of 1968 (P.L. 90-488, as amended) as detailed in this Floodplain Management Ordinance.

B. ESTABLISHMENT

This ordinance, adopted pursuant to the authority of NH RSA 674:16, shall be known as the Little Boar's Head District Floodplain Management Ordinance. The regulations in this ordinance shall overlay and supplement the regulations in the Zoning Ordinance for Little Boar's Head District, and shall be considered part of the Zoning Ordinance for purposes of administration and appeals under state law. If any provisions of this ordinance differs or appears to conflict with any provision of the Zoning Ordinance or other ordinance or regulation, the provision imposing the greater restriction or more stringent standard shall be controlling.

The following regulations in this ordinance shall apply to all lands designated as special flood hazard areas by the Federal Emergency Management Agency (FEMA) in its "Flood Insurance Study Rockingham County NH dated May 17, 2005, or as amended" together with the associated Flood Insurance Rate Maps dated May 17, 2005 which are declared to be a part of this ordinance and are hereby incorporated by reference.

C. DEFINITION OF TERMS

The following definitions shall apply only to this Floodplain Development Ordinance and shall not be affected by the provisions of any other ordinance of the Little Boar's Head District.

1. **Area of Shallow Flooding** means a Zone AO on the Flood Insurance Rate Map (FIRM) with a one-percent or greater annual possibility of flooding to an average depth of one to three feet where a clearly defined channel does not exist, where the path of flooding is unpredictable and where velocity flow may be evident. Such flooding is characterized by ponding or sheet-flow.

WARRANT ARTICLE 3

Zoning Ordinance Language

2. **Base Flood** means the flood having a one-percent possibility of being equaled or exceeded in any given year.
3. **Basement** means any area of a building having its floor subgrade on all sides.
4. **Building** - see "structure".
5. **Breakaway wall** means a wall that is not part of the structural support of the building and is intended through its design and construction to collapse under specific lateral loading forces without causing damage to the elevated portion of the building or supporting foundation.
6. **Development** means any man-made change to improved or unimproved real estate, including but not limited to buildings or other structures, mining, dredging, filling, grading, paving, excavating or drilling operation or storage of equipment or materials.
7. **FEMA** means the Federal Emergency Management Agency.
8. **Flood or Flooding** means a general and temporary condition of partial or complete inundation of normally dry land areas from:
 - a. the overflow of inland or tidal waters, or
 - b. the unusual and rapid accumulation or runoff of surface waters from any source.
9. **Flood Insurance Rate Map (FIRM)** means the official map incorporated with this ordinance, on which FEMA has delineated both the special flood hazard areas and the risk premium zones applicable to the community.
10. **Flood Insurance Study** means an examination, evaluation, and determination of flood hazards and if appropriate, corresponding water surface elevations, or an examination and determination of mudslide or flood - related erosion hazards.
11. **Floodplain or Flood-prone area** means any land area susceptible to being inundated by water from any source (see definition of "Flooding").
12. **Flood proofing** means any combination of structural and non-structural additions, changes, or adjustments to structures that reduce or eliminate flood damage to real estate or improved real property, water and sanitation facilities, structures and their contents.

WARRANT ARTICLE 3

Zoning Ordinance Language

13. **Floodway** means the channel of a river or other watercourse and the adjacent land areas that must be reserved in order to discharge the base flood without cumulatively increasing the water surface elevation more than a designated height.
14. **Functionally dependent use** means a use that cannot perform its intended purpose unless it is located or carried out in close proximity to water. The term includes only docking and port facilities that are necessary for the loading/unloading of cargo or passengers, and ship building/repair facilities but does not include long-term storage or related manufacturing facilities.
15. **Highest adjacent grade** means the highest natural elevation of the ground surface prior to construction next to the proposed walls of a structure.
16. **Historic Structure** means any structure that is:
- a. listed individually in the National Register of Historic Places (a listing maintained by the Department of Interior) or preliminarily determined by the Secretary of the Interior as meeting the requirements for individual listing on the National Register;
 - b. certified or preliminarily determined by the Secretary of the Interior as contributing to the historical significance of a registered historic district or a district preliminarily determined by the Secretary to qualify as a registered historic district;
 - c. individually listed on a state inventory of historic places in states with historic preservation programs which have been approved by the Secretary of the Interior; or
 - d. individually listed on a local inventory of historic places in communities with historic preservation programs that have been certified either:
 - i. by an approved state program as determined by the Secretary of the Interior, or
 - ii. directly by the Secretary of the Interior in states without approved programs.
17. **Lowest Floor** means the lowest floor of the lowest enclosed area (including basement). An unfinished or flood resistant enclosure, usable solely for parking of vehicles, building access or storage in an area other than a basement area is not considered a building's lowest floor; provided, that such an enclosure is not built so as to render the structure in violation of the applicable non-elevation design requirements of this ordinance.
18. **Manufactured Home** means a structure, transportable in one or more sections, which is built on a permanent chassis and is designed for use with or without a

WARRANT ARTICLE 3

Zoning Ordinance Language

permanent foundation when connected to the required utilities. For floodplain management purposes the term "manufactured home" includes park trailers, travel trailers, and other similar vehicles placed on site for greater than 180 consecutive days. This includes manufactured homes located in a manufactured home park or subdivision.

19. **Manufactured Home Park or Subdivision** means a parcel (or contiguous parcels) of land divided into two or more manufactured home lots for rent or sale.
20. **Mean sea level** means the National Geodetic Vertical Datum (NGVD) of 1929, North American Vertical Datum (NAVD) of 1988, or other datum to which base flood elevations shown on a community's Flood Insurance Rate Maps are referenced.
21. **New construction** means, for the purposes of determining insurance rates, structures for which the "start of construction" commenced on or after the effective date of an initial FIRM or after December 31, 1974, whichever is later, and includes any subsequent improvements to such structures. For floodplain management purposes, *new construction* means structures for which the *start of construction* commenced on or after the effective date of a floodplain management regulation adopted by a community and includes any subsequent improvements to such structures.
22. **Recreational Vehicle** is defined as:
 - a. built on a single chassis;
 - b. 400 square feet or less when measured at the largest horizontal projection;
 - c. designed to be self-propelled or permanently towable by a light duty truck; and
 - d. designed primarily **not** for use as a permanent dwelling but as temporary living quarters for recreational, camping, travel or seasonal use.
23. **Special flood hazard area** is the land in the floodplain subject to a one-percent or greater possibility of flooding in any given year. The area is designated on the FIRM as Zones AE, AO, or VE.
24. **Start of Construction** includes substantial improvements, and means the date the building permit was issued, provided the actual start of construction, repair, reconstruction, placement, or other improvement was within 180 days of the permit date. The actual start means either the first placement of permanent construction of a structure on site, such as the pouring of slab or footings, the installation of piles, the construction of columns, or any work beyond the stage of excavation; or the placement of a manufactured home on a foundation. Permanent construction does

WARRANT ARTICLE 3

Zoning Ordinance Language

not include land preparation, such as clearing, grading and filling; nor does it include the installation of streets and/or walkways; nor does it include excavation for a basement, footings, piers, or foundations or the erection of temporary forms; nor does it include the installation on the property of accessory buildings, such as garages or sheds not occupied as dwelling units or part of the main structure.

25. **Structure** means for floodplain management purposes, a walled and roofed building, including a gas or liquid storage tank that is principally above ground, as well as a manufactured home.
26. **Substantial damage** means damage of any origin sustained by a structure whereby the cost of restoring the structure to it's before damaged condition would equal or exceed 50 percent of the market value of the structure before the damage occurred.
27. **Substantial Improvement** means any combination of repairs, reconstruction, alteration, or improvements to a structure in which the cumulative cost equals or exceeds fifty percent of the market value of the structure. The market value of the structure should equal:
- a. the appraised value prior to the start of the initial repair or improvement, or
 - b. in the case of damage, the value of the structure prior to the damage occurring.

For the purposes of this definition, "substantial improvement" is considered to occur when the first alteration of any wall, ceiling, floor, or other structural part of the building commences, whether or not that alteration affects the external dimensions of the structure. This term includes structures that have incurred substantial damage, regardless of actual repair work performed. The term does not, however, include any project for improvement of a structure required to comply with existing health, sanitary, or safety code specifications which are solely necessary to assure safe living conditions or any alteration of a "historic structure", provided that the alteration will not preclude the structure's continued designation as a "historic structure."

28. **Violation** means the failure of a structure or other development to be fully compliant with the community's flood plain management regulations. A structure or other development without the elevation certificate, other certifications, or other evidence of compliance required under this ordinance is presumed to be in violation until such time as that documentation is provided.

D. PERMITS

WARRANT ARTICLE 3

Zoning Ordinance Language

1. All proposed development in any special flood hazard area shall require a permit from the Zoning Inspector. Development means any man-made change to improved or unimproved real estate, including but not limited to buildings or other structures, mining, dredging, filling, grading, paving, excavating or drilling operation or storage of equipment or materials.
2. The Zoning Inspector shall not grant a building permit until the applicant certifies that all necessary permits have been received from those governmental agencies from which approval is required by federal or state law, including Section 404 of the Federal Water Pollution Control Act Amendments of 1972, 33 U.S.C. 1334.

E. CONSTRUCTION REQUIREMENTS

1. The Zoning Inspector shall review all building permit applications for new construction or substantial improvements to determine whether proposed building sites will be reasonably safe from flooding. If a proposed building site is located in a special flood hazard area, all new construction or substantial improvements shall:
 - a. be designed (or modified) and adequately anchored to prevent flotation, collapse, or lateral movement of the structure resulting from hydrodynamic and hydrostatic loads, including the effects of buoyancy;
 - b. be constructed with materials resistant to flood damage;
 - c. be constructed by methods and practices that minimize flood damages; and
 - d. be constructed with 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 conditions of flooding.

F. WATER AND SEWER SYSTEMS

1. Where new or replacement water and sewer systems (including on-site systems) are proposed in a special flood hazard area the applicant shall provide the Zoning Inspector with assurance that:
 - a. these systems will be designed to minimize or eliminate infiltration of flood waters into the systems and discharges from the systems into flood waters; and
 - b. on-site waste disposal systems will be located to avoid impairment to them or contamination from them during periods of flooding.

G. CERTIFICATION

WARRANT ARTICLE 3

Zoning Ordinance Language

1. For all new construction or substantially improved structures located in Zones AE and AO the application shall furnish the following information to the Zoning Inspector:
 - a. The as-built elevation (in relation to mean sea level) of the lowest floor (including basement) and include whether or not the structure contains a basement.
 - b. If the non-residential structure has been flood proofed, the as-built elevation (in relation to mean sea level) to which the structure was flood proofed and any certification of flood proofing.
2. For all new construction or substantially improved structures located in Zone VE, the applicant shall furnish the following information to the Zoning Inspector:
 - a. The as-built elevation (in relation to mean sea level) of the bottom of the lowest horizontal structural member of the lowest floor (excluding pilings or columns), and include whether or not the structure contains a basement.
3. The Zoning Inspector shall maintain the above information for public inspection, and shall furnish it upon request.

H. WATERCOURSES

1. In riverine situations, prior to the alteration or relocation of a watercourse, the applicant for such authorization shall notify the Wetlands Bureau of the New Hampshire Department of Environmental Services and submit copies of such notification to the Zoning Inspector, in addition to the copies required by the RSA 482-A:3. Further, the applicant shall be required to submit copies of said notification to those adjacent communities as determined by the Zoning Inspector, including notice of all scheduled hearings before the Wetlands Board.
2. The applicant shall submit to the Zoning Inspector, certification provided by a registered professional engineer, assuring that the flood carrying capacity of an altered or relocated watercourse can and will be maintained.
3. Along watercourses that have not had a Regulatory Floodway designated, no new construction, substantial improvements, or other development (including fill) shall be permitted within Zone AE on the FIRM, unless it is demonstrated by the applicant that the cumulative effect of the proposed development, when

WARRANT ARTICLE 3

Zoning Ordinance Language

combined with all existing and anticipated development, will not increase the water surface elevation of the base flood more than one foot at any point within the community.

I. BASE FLOOD ELEVATION DETERMINATION

1. In special flood hazard areas the Zoning Inspector shall determine the base flood elevation in the following order of precedence according to the data available:
 - a. In Zones AE and VE refer to the elevation data provided in the community's Flood Insurance Study and accompanying FIRM.
 - b. In Zone AO the flood elevation is determined by adding the elevation of the highest adjacent grade to the depth number specified on the FIRM or if no depth number is specified on the FIRM at least 2 feet.

J. STRUCTURES

1. The Zoning Inspector's base flood elevation determination will be used as criteria for requiring in Zones AE and AO that:
 - a. All new construction or substantial improvement of residential structures have the lowest floor (including basement) elevated to or above the base flood elevation.
 - b. That all new construction or substantial improvements of non-residential structures have the lowest floor (including basement) elevated to or above the base flood elevation; or together with attendant utility and sanitary facilities, shall:
 - i. be flood proofed so that below the base flood elevation the structure is watertight with walls substantially impermeable to the passage of water;
 - ii. have structural components capable of resisting hydrostatic and hydrodynamic loads and the effects of buoyancy; and
 - iii. 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.
2. Proposed structures to be located on slopes in Zone AO shall include adequate drainage paths to guide floodwaters around and away from the proposed structures.

K. MANUFACTURED HOMES AND RECREATIONAL VEHICLES

1. All manufactured homes to be placed or substantially improved within Zones AE

WARRANT ARTICLE 3

Zoning Ordinance Language

and AO shall be elevated on a permanent foundation such that the lowest floor of the manufactured home is at or above the base flood elevation; and be securely anchored to resist flotation, collapse, or lateral movement. Methods of anchoring may include, but are not limited to, use of over-the-top or frame ties to ground anchors. This requirement is in addition to applicable state and local anchoring requirements for resisting wind forces.

2. Recreational vehicles placed on sites within Zone AE shall either:
 - a. be on the site for fewer than 180 days;
 - b. be fully licensed and ready for highway use; or
 - c. meet all standards of this ordinance and the elevation and anchoring requirements for "manufactured homes" in this ordinance.

L. ENCLOSURES BELOW BASE FLOOD ELEVATION

1. For all new construction and substantial improvements in Zones AE and AO, fully enclosed areas below the lowest floor that are subject to flooding are permitted provided they meet the following requirements:
 - a. The enclosed area is unfinished or flood resistant, usable solely for the parking of vehicles, building access or storage.
 - b. The area is not a basement.
 - c. The area shall be designed to automatically equalize hydrostatic flood forces on exterior walls by allowing for the entry and exit of floodwater. Designs for meeting this requirement must either be certified by a registered professional engineer or architect or must meet or exceed the following minimum criteria:
 - i. A minimum of two openings having a total net area of not less than one square inch for every square foot of enclosed area subject to flooding shall be provided.
 - ii. The bottom of all openings shall be no higher than one foot above grade.
 - iii. Openings may be equipped with screens, louver, or other coverings or devices provided that they permit the automatic entry and exit of floodwater.

M. COASTAL HIGH HAZARD AREAS

The following regulations shall apply to all new construction and substantial improvements to structures including all manufactured homes placed or substantially improved and recreational vehicles located in coastal high hazard areas, designated as Zone VE.

WARRANT ARTICLE 3

Zoning Ordinance Language

1. All new construction or substantial improvements are to be elevated on pilings and columns so that:
 - a. The bottom of the lowest horizontal structural member of the lowest floor (excluding the pilings or columns) is elevated to or above the base flood elevation;
 - b. The pile or column foundation and 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. Water loading values used shall be those associated with the base flood. Wind loading values used shall be those required by applicable state and local building standards.
2. A registered professional engineer or architect shall develop or review the structural design, specifications and plans for construction, and shall certify that the design and methods of construction to be used are in accordance with accepted standards of practice for meeting the provisions of this section.
3. The space below the lowest floor must be free of obstructions or constructed with non-supporting breakaway walls, open lattice-work, or insect screening intended to collapse under wind and water loads without causing collapse, displacement, or other structural damage to the elevated portion of the building or supporting foundation system. For the purposes of this section, a breakaway wall shall have a design safe loading resistance of not less than 10 and no more than 20 pounds per square foot. Such enclosed space shall be usable solely for the parking of vehicles, building access, or storage.
4. The use of fill for the structural support of buildings is prohibited.
5. Man-made alterations of sand dunes which would increase potential flood damage is prohibited.
6. All new construction or substantial improvements within Zone VE shall be located landward of the reach of mean high tide.
7. All recreational vehicles placed on sites within Zone VE shall either:
 - a. be on the site for fewer than 180 days;
 - b. be fully licensed and ready for highway use; or
 - c. meet all standards of this ordinance and the elevation and anchoring requirements for "manufactured homes" in this ordinance.

WARRANT ARTICLE 3

Zoning Ordinance Language

N. VARIANCES AND APPEALS

1. Any order, requirement, decision or determination of the Zoning Inspector made under this ordinance may be appealed to the Board of Adjustment as set forth in RSA 676:5.
2. If the applicant, upon appeal, requests a variance as authorized by RSA 674:33, I(b), the applicant shall have the burden of showing in addition to the usual variance standards under state law that:
 - a. The variance will not result in increased flood heights, additional threats to public safety, or extraordinary public expense.
 - b. If the requested variance is for activity within a designated regulatory floodway, no increase in flood levels during the base flood discharge will result.
 - c. The variance is the minimum necessary, considering the flood hazard, to afford relief.
3. The Board of Adjustment shall notify the applicant in writing that:
 - a. The issuance of a variance to construct below the base flood elevation will result in increased premium rates for flood insurance up to amounts as high as \$25 for \$100 of insurance coverage.
 - b. Such construction below the base flood elevation increases risks to life and property.

Such notification shall be maintained with a record of all variance actions.

4. The community shall:
 - a. maintain a record of all variance actions, including their justification for their issuance, and
 - b. report such variances issued in its annual or biennial report submitted to FEMA's Federal Insurance Administrator.

O. ENFORCEMENT

It shall be the duty of the Zoning Officer (or their designee) to enforce and administer the provisions of this Ordinance in accordance with RSA 676.