CONSOLIDATED VERSION THE CORPORATION OF THE CITY OF COURTENAY

BYLAW NO. 1743

Whereas the City of Courtenay, where it is considered that flooding may occur on land, 2097 may enact a floodplain bylaw pursuant to Section 910 of the Municipal Act, RSBC 1996.

And Whereas, the City of Courtenay considers the adoption of a floodplain management bylaw as a way of reducing the risk of injury, loss of life, and damage to buildings and structures due to flooding;

And Whereas, the Minister of Environment has designated the Floodplain for the Courtenay, Puntledge, and Tsolum Rivers within the municipal boundaries of the Corporation of the City of Courtenay,

Now Therefore, the Council of the Corporation of the City of Courtenay in open meeting assembled, enacts as follows:

Part 1 Definitions

For the purposes of this bylaw, the following definitions apply:

Building Inspector means the Chief Building Inspector and his deputies as employed by the City of Courtenay;

Flood Construction Level or Flood Level means a Designated Flood Level plus Freeboard, or where a Designated Flood Level cannot be determined, a specified height above a Natural Boundary, Natural Ground Elevation, or any obstruction that could cause ponding;

Designated Flood means a flood, which may occur in any given year, of such magnitude as to equal a flood having a 200 year recurrence interval, based on a frequency analysis of unregulated historic flood records or by regional analysis where there is inadequate streamflow data available. Where the flow of a large watercourse is controlled by a major dam, the designated flood shall be set on a site specific basis;

Designated Flood Level means the observed or calculated elevation for the Designated Flood, which is used in the calculation of the Flood Construction Level;

Freeboard means a vertical distance added to a Designated Flood Level, used to establish a Flood Construction Level;

Floodplain means an area which is susceptible to flooding from a watercourse, lake, or other body of water and that which is designated in Part 3 of this bylaw;

Floodplain Setback means the required minimum distance from the Natural Boundary of a watercourse, lake, or other body of water to any landfill or structural support required to elevate a floor system or pad above the Flood Construction Level, so as to maintain a floodway and allow for potential land erosion;

G.S.C. means Geodetic Survey of Canada datum;

Habitable Area means any space or room, including a manufactured home, that is or can be used for dwelling purposes, business, or the storage of goods which are susceptible to damage by floodwater;

Natural Boundary means the visible high watermark of any lake, river, stream, or other body of water where the presence and action of the water are so common and usual and so long continued in all ordinary years as to mark upon the soil of the bed of the lake, river, stream, or other body of water a character distinct from that of the banks thereof, in respect to vegetation, as well as in respect to the nature of the soil itself, as defined in Section 1 of the Land Act, and also includes the edge of dormant side channels of any lake, river, stream, or other body of water;

Natural Ground Elevation means the undisturbed ground elevation prior to site preparation;

Pad means a paved surface on which blocks, posts, runners or strip footings are placed for the purpose of supporting a manufactured home, or a concrete pad for supporting a Habitable Area;

Watercourse means any natural or man made depression with will defined banks and a bed 0.6 metres or more below the surrounding land serving to give direction to a current of water of at least six (6) months of the year or having a drainage area of 2 square kilometres or more upstream of the point of consideration.

A graphic illustration of terms used in this bylaw for reference purposes only is shown on Schedule A, attached hereto and forming part of this bylaw.

Part 2 Administration

2.1 Application

This bylaw shall be applicable to all land, buildings and structures within the corporate limits of the Corporation of the City of Courtenay.

2.2 <u>Other Legislation</u>

Nothing contained in this bylaw shall relieve any person from the responsibility to ascertain whether their proposed development complies with all applicable enactments.

2.3 <u>General Prohibitions</u>

No person shall construct any building or structure contrary to the provisions of this bylaw.

2.4 <u>Inspection</u>

The Building Inspector may enter, at all reasonable times, upon any premises subject to the regulations of this bylaw to ascertain whether such regulations are being obeyed. The Building Inspector may not enter any occupied dwelling unit without having obtained the consent of the occupier or, where such consent has been refused or cannot be obtained, without having given the occupier at least 24 hours' notice.

2.5 <u>Violation</u>

Any person who violates any of the provisions of this bylaw, or who suffers or permits any act or thing to be done in contravention of this bylaw, or who neglects to do or refrains from doing any act or thing which is required to be done by any of the provisions of this Bylaw, shall be deemed to have violated the provisions of this Bylaw.

2.6 <u>Penalty</u>

Any person who violates the provisions of this Bylaw is liable on summary conviction to a penalty not exceeding Two Thousand (\$2,000.00) Dollars or imprisonment for a period not exceeding thirty (30) days.

Each day during which such violation is continued shall be deemed to constitute a new and separate offence.

2.7 Authority of the Building Inspector

The Building Inspector is hereby authorized to:

- a) administer this Bylaw;
- b) keep records of all documents connected to the administration of this Bylaw, and such documents shall be available for public viewing upon request;
- c) take such action, or direct such action at the expense of the applicant, as he may deem necessary in order to establish whether any method or type of construction or materials used in construction of any building, conforms with the provisions of all relevant legislation;
- d) order the correction or cessation of any construction which is proposed, being done, or has been done in contravention of this Bylaw;
- e) require that a British Columbia Land Surveyor's certificate be provided to verify compliance with the Flood Construction Levels and Flooplain Setbacks specified in Part 4(a) and (b). The cost of verification shall be assumed by the land owner.

2.8 <u>Severability</u>

If any provision of this Bylaw is found invalid by an court of competent jurisdiction, such decision shall not affect the validity of the remaining portions of this Bylaw.

Part 3 Floodplain Designation

The following land is designated as Floodplain:

- (a) Land Shown as Floodplain on Schedule B "Floodplain of the Courtenay, Puntledge and <u>Tsolum Rivers</u>", attached hereto and forming part of this bylaw;
- (b) Land lower than the Flood Construction Levels specified in Part 4 (a);
- (c) Land within the Floodplain Setbacks specified in Part 4 (b).

Part 4 Floodplain Specifications

(a) Flood Construction Levels:

The following elevations are specified as Flood Construction Levels, except that where more than one Flood Construction Level is applicable, the higher elevation shall be the Flood Construction Level:

- i. The Flood Construction Level for a specific property, as determined by interpolation from those Flood Construction Levels Shown on Schedule B "Floodplain of the Courtenay, Puntledge and Tsolum River";
- ii. 1.5 metres above the Natural Boundary of Morrison Creek, Piercy Creek, Millard Creek, or any other watercourse;
- iii. 1.5 metres above the Natural Boundary of the sea;
- iv. 1.5 metres above the Natural Boundary of any lake, marsh or pond;
- v. The Flood Construction Levels shown on Schedule B "<u>Floodplain of the Courtenay,</u> <u>Puntledge and Tsolum River</u>" shall be increased by 0.8 metres in the areas of tidal influence.
 - (b) Floodplain Setbacks:

The following distances are specified as Floodplain Setbacks, except that where more than one Floodplain Setback is applicable, the greater distance shall be the Floodplain Setback:

- i. 30 metres from the Natural Boundary of Puntledge River, Tsolum River, and Courtenay River;
- ii. 15 metres from the Natural Boundary of Morrison Creek, Piercy Creek, Millard Creek, or any other watercourse;
- iii. 15 metres from the Natural Boundary of the sea;
- iv. 7.5 metres from the Natural Boundary of the lake, marsh, or pond;
- (c) For the purposes of this bylaw, the division line between the sea and the Courtenay River is at 21st Street.

Part 5 Application of Floodplain Specifications

- 2097 (a) Pursuant Section 910 of the Municipal Act, RSBC 1996,
 - i. The underside of any floor system, or the top of any pad supporting any space or room, including a manufactured home, that is used for dwelling purposes, business, or the storage of goods which are susceptible to damage by floodwater shall be above the Flood Construction Level specified in Part 4(a) of this bylaw,
 - ii. Any landfill required to support a floor system or pad shall not extend within any setback from a watercourse or body of water specified by this bylaw or the Minister of Environment.
 - (a) Structural support or compacted landfill or a combination of both may be used to elevate the underside of the floor system or the top of the pad above the Flood Construction Levels specified in Part 4(a). The structural support or landfill shall be protected against scour and erosion from flood flows, wave action, ice and other debris.

Part 6 Site Specific Exemptions

An Application by a property owner to the Minister of Environment, Lands and Parks for a sitespecific exemption shall be completed upon a form provided by the City of Courtenay and submitted in accordance with the instructions on the application as outlined in Schedule D, attached hereto and forming part of this bylaw.

Part 7 Title and Adoption

This bylaw may be cited as "The City of Courtenay Floodplain Management Bylaw No. 1743, 1994."

Read a first time this 7th day of February, 1994

Read a second time this 7th day of February, 1994

Read a third time this 7th day of February, 1994

2673 Approved by the Minister of Environment pursuant to Section 910 of the Municipal Act, RSBC 1996 this 10th day of March 1994

Reconsidered, finally passed and adopted this 21st day of March, 1994.

Ronald Vern Webber Mayor

D. Pelletier Clerk

CITY OF COURTENAY

BYLAW NO. 1743

SCHEDULE "A"

ILLUSTRATION OF TERMS



CITY OF COURTENAY

BYLAW NO. 1743

SCHEDULE "B"

FLOODPLAIN MANAGEMENT BYLAW

FLOODPLAIN OF THE

COURTENAY, PUNTLEDGE AND TSOLUM RIVERS

(CONTAINS TWO MAP SHEETS)



NOTE: THIS MAP IS A REPRESENTATION OF THE FLOODPLAIN AREA REFERRED TO IN THIS BYLAW. IT INTENDED FOR REFERENCE PURPOSES ONLY AND FOR THE CONVENIENCE OF THE READER OF THIS BYLAW.





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