

SUBCELL 2
Cohesive bluffs

Lakeshore features

Top of bluff - May 2015

--- Lakeshore Area 1

······ Lakeshore Area 2

Other features

---- Top of slope

Surface watercourse

Subsurface (tile) waterflow

Building

Lakeshore Area 1

Lakeshore Area 2

Flood Hazard - not applicable

Flood Hazard
That area of the shoreline landward (or inland)
from the water's edge, including the 100-year
flood level plus wave uprush and Other Water
Related Hazards (DWRH) setback (which is 15m in
the absence of a site specific study). This is also
known as the Regulatory Flood Standard.

Erosion Hazard

That area of the shoreline landward (or inland) from the water's edge, including the stable slope line (3H:1V), from the toe of the lakebank.

DRAFT

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inland) from Lakeshore Area 1 extending landward to the greater of; a 100 year erosion setback (based on the 100 year Average Annual Recession Rate) or 30 m, plus an additional 15 metre allowance**ORa measured distance of 45 metres from the top of the unaltered lake bluff. **The additional 15 m allowance, consists of an Access Allowance of 6 m plus provision for any recent erosion changes.

Dynamic Beach Hazard

That area landward (or inland) from the water's edge including the 100-year flood level plus a distance of 30 metres measured horizontally. This 30 metres includes the 15 Wave Uprush and Other Water Related Hazards (OWRH) plus an additional ABCA 15 m allowance*. It is part of the active beach zone and portion of the dune complex which would be affected by wave action during the 100-year plus wave uprush event (or historical storm event causing dune cliffing or erosion).

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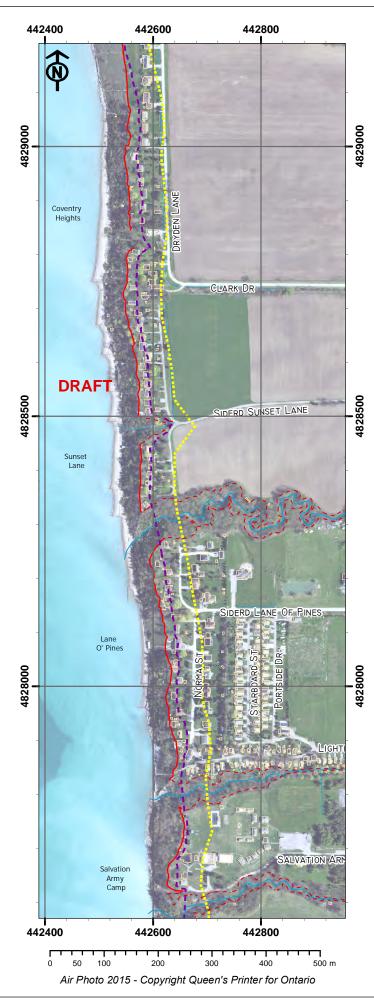
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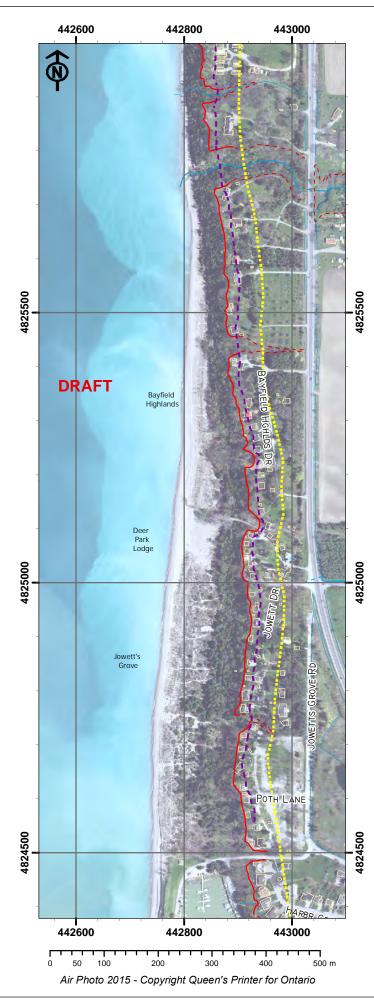
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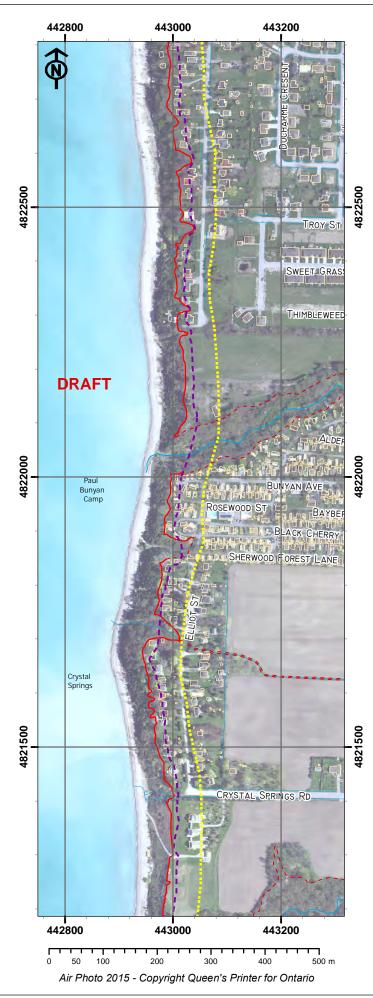
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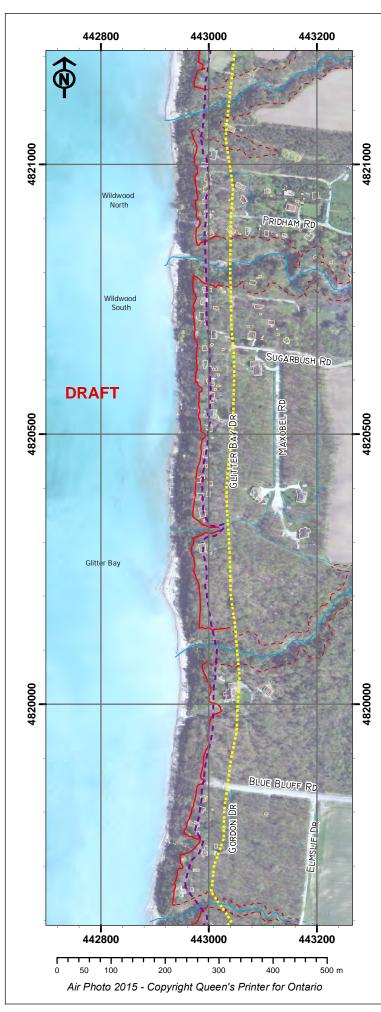
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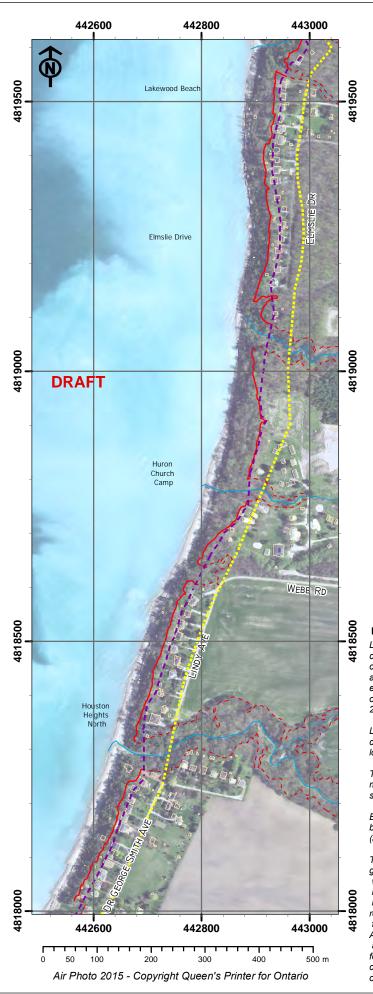
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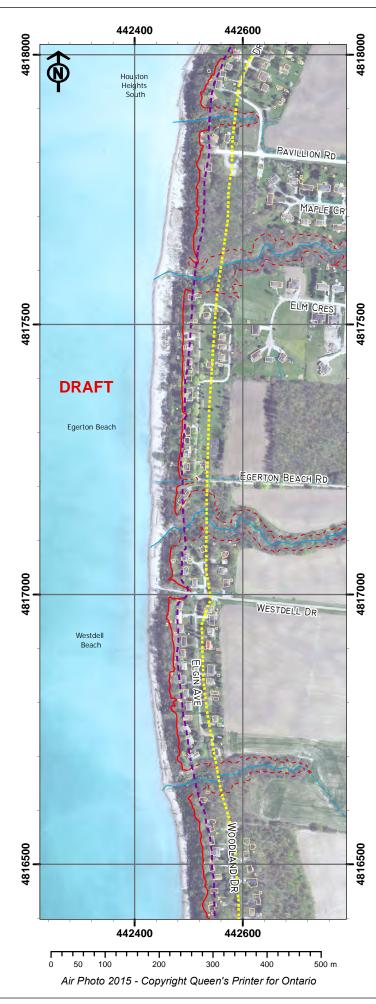
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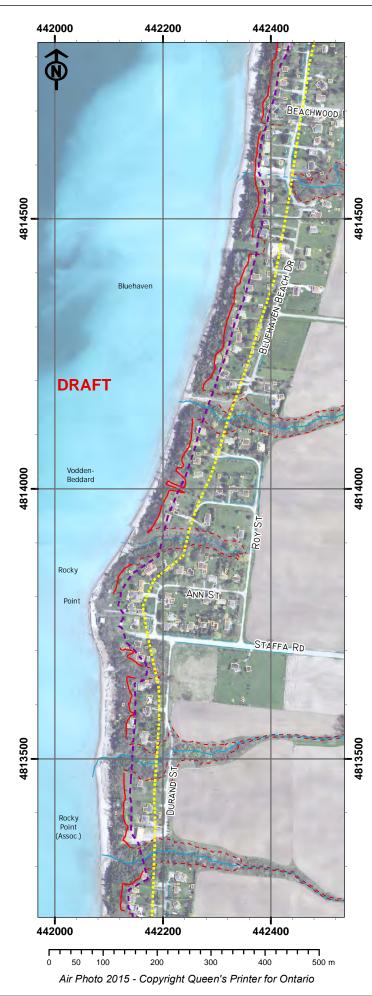
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SUBCELL 3 Cohesive bluffs

Lakeshore features

Top of bluff - May 2015

--- Lakeshore Area 1

Lakeshore Area 2

Other features

---- Top of slope

Surface watercourse

Subsurface (tile) waterflow

Building

Lakeshore Area

Lakeshore Area 2

Flood Hazard - not applicable

Flood Hazard That area of the shoreline landward (or inland) from the water's edge, including the 100-year flood level plus wave uprush and Other Water Related Hazards (OWRH) setback (which is 15m in the absence of a site specific study). This is also known as the Regulatory Flood Standard.

That area of the shoreline landward (or inland) from the water's edge, including the stable slope line (3H:1V), from the toe of the lakebank.

DRAFT

Erosion Hazard That area of the shoreline located landward (or

inland) from Lakeshore Area 1 extending landward to the greater of; a 100 year erosion setback (based on the 100 year Average Annual Recession Rate) or 30 m, plus an additional 15 metre allowance** ORa measured distance of 45 metres from the top of the unaltered lake bluff. **The additional 15m allowance, consists of an Access Allowance of 6 m plus provision for any recent erosion changes

Dynamic Beach Hazard

That area landward (or inland) from the water's edge including the 100-year flood level plus a distance of 30 metres measured horizontally. This 30 metres includes the 15 Wave Uprush and Other Water Related Hazards (OWRH) plus an additional ABCA 15 m allowance*. It is part of the active beach zone and portion of the dune complex which would be affected by wave action during the 100-year plus wave uprush event (or historical storm event causing dune cliffing or erosion).

Dynamic Beach Hazard

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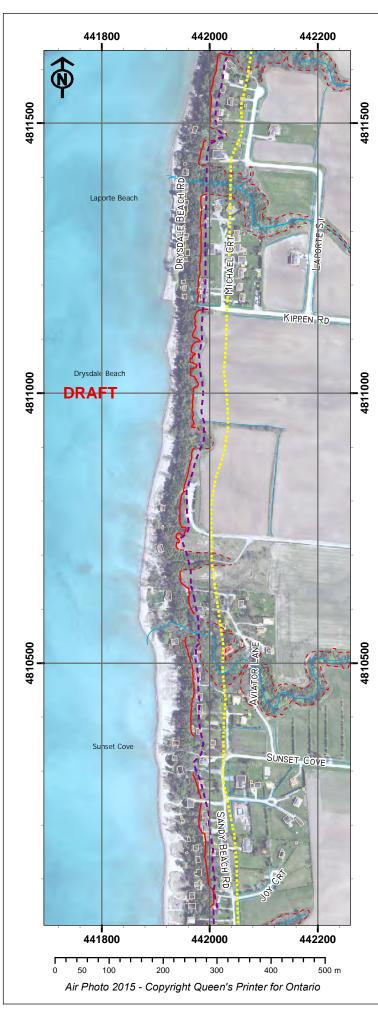
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MAP 12 of 31



SUBCELL 3
Cohesive bluffs

Lakeshore features

Top of bluff - May 2015

--- Lakeshore Area 1

Lakeshore Area 2

Other features

---- Top of slope

Surface watercourse

Subsurface (tile) waterflow

Building

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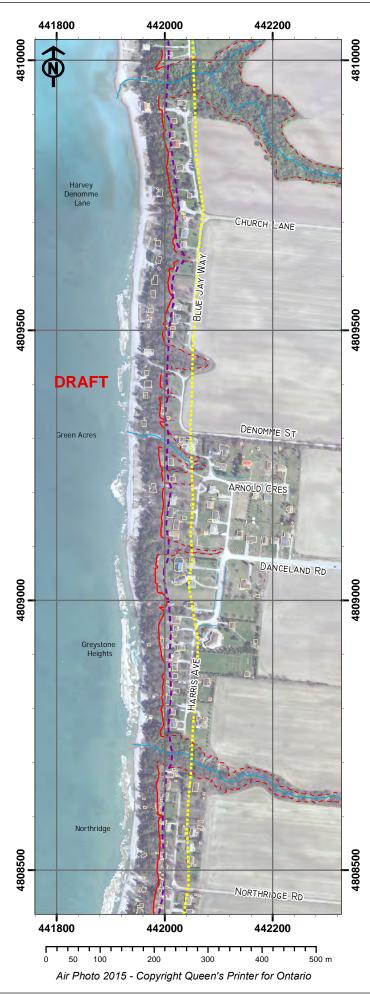
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SUBCELL 3 Cohesive bluffs

Lakeshore features

Top of bluff - May 2015

--- Lakeshore Area 1

Lakeshore Area 2

Other features

---- Top of slope

Surface watercourse

Subsurface (tile) waterflow

Building

Flood Hazard

Lakeshore Area 2 Flood Hazard - not applicable

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SUBCELL 3 Cohesive bluffs

Lakeshore features

Top of bluff - May 2015

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Lakeshore Area 2

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---- Top of slope

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Erosion Hazard

Dynamic Beach Hazard

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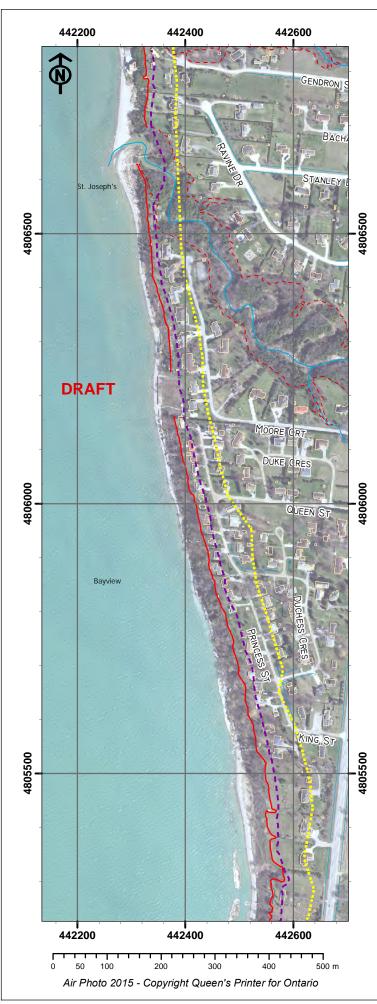
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SUBCELL 3
Cohesive bluffs

Lakeshore features

Top of bluff - May 2015

---- Lakeshore Area 1

····· Lakeshore Area 2

Other features

---- Top of slope

Surface watercourse

Subsurface (tile) waterflow

Building

Lakeshore Area 1

Lakeshore Area 2 Flood Hazard – not applicable

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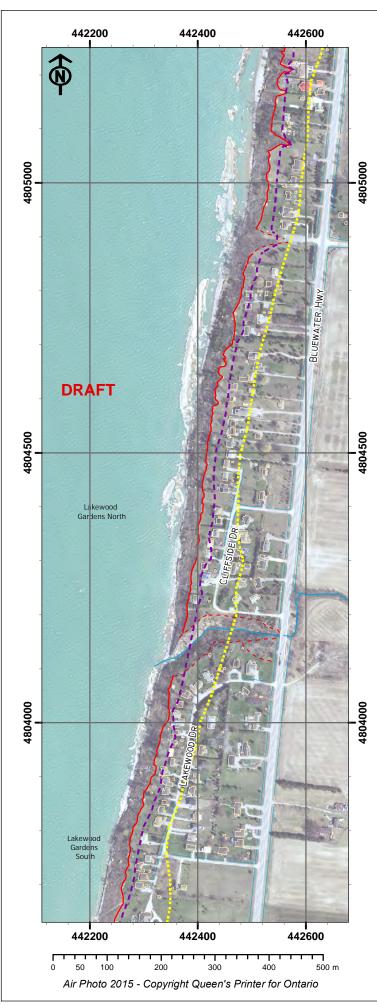
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SUBCELL 3
Cohesive bluffs

Lakeshore features

Top of bluff - May 2015

---- Lakeshore Area 1

Lakeshore Area 2

Other features

---- Top of slope

Surface watercourse

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Lakeshore Area 1

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Lakeshore Area 2

Flood Hazard - not applicable

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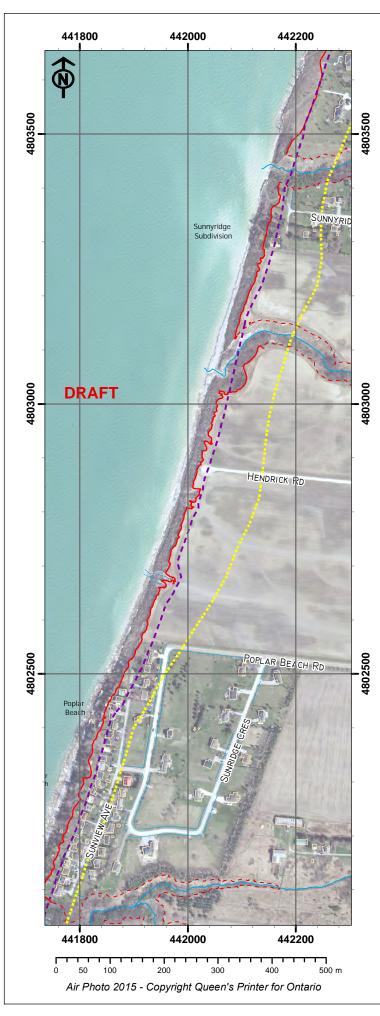
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SUBCELL 3 Cohesive bluffs

Lakeshore features

Top of bluff - May 2015

--- Lakeshore Area 1

Lakeshore Area 2

Other features

---- Top of slope

Surface watercourse

Subsurface (tile) waterflow

Building

Lakeshore Area 2 Flood Hazard - not applicable

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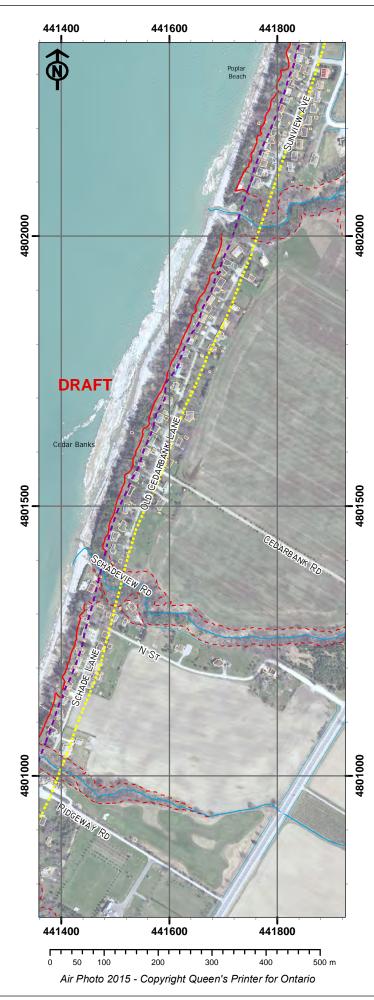
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MAP 18 of 31



SUBCELL 3
Cohesive bluffs

Lakeshore features

Top of bluff - May 2015

---- Lakeshore Area 1

Lakeshore Area 2

Other features

---- Top of slope

Surface watercourse

Subsurface (tile) waterflow

Building

Lakeshore Area 1

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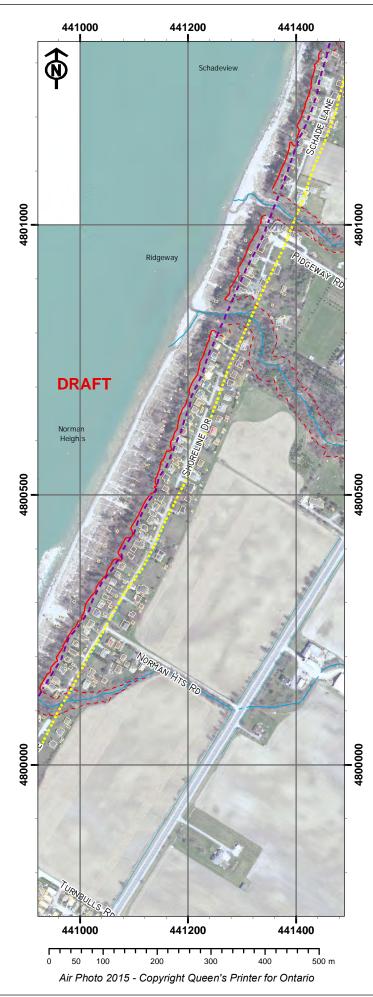
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SUBCELL 3
Cohesive bluffs

Lakeshore features

Top of bluff - May 2015

--- Lakeshore Area 1

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Other features

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Surface watercourse

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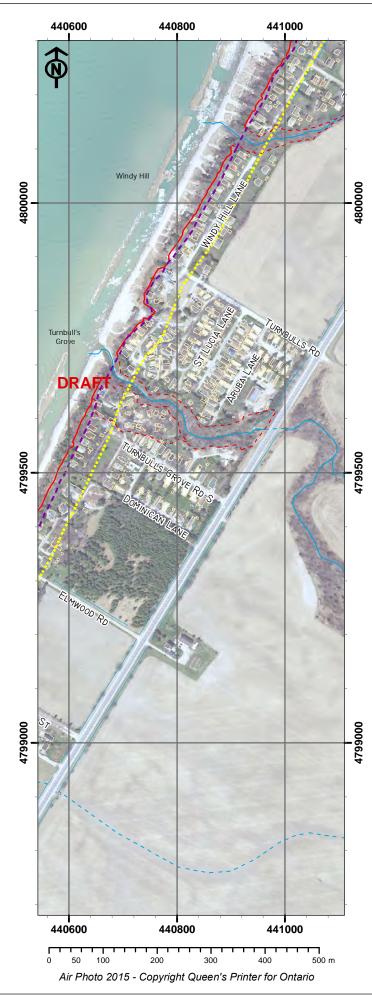
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Lakeshore features

Top of bluff - May 2015

--- Lakeshore Area 1

····· Lakeshore Area 2

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SUBCELL 3
Cohesive bluffs

Lakeshore features

Top of bluff - May 2015

---- Lakeshore Area 1

····· Lakeshore Area 2

Other features

---- Top of slope

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Building

Lakeshore Area 1

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Dynamic Beach Hazard

That area landward (or inland) from the water's edge including the 100-year flood level plus a distance of 30 metres measured horizontally. This 30 metres includes the 15 Wave Uprush and Other Water Related Hazards (OWRH) plus an additional ABCA 15 m allowance*. It is part of the active beach zone and portion of the dune complex which would be affected by wave action during the 100-year plus wave uprush event (or historical storm event causing dune cliffing or erosion).

Dynamic Beach Hazard

That area landward (or inland) from Lakeshore Area 1 plus the Defined Portion of the Dynamic Beach which is a distance of 30 metres. This 30 m is called the "Defined Portion of the Dynamic Beach" and is also part of the active beach zone and portion of the dune complex which would be affected by wave action during the 100-year plus wave uprush event (or historical storm event causing dune diffing or erosion).

Mapping Notes:

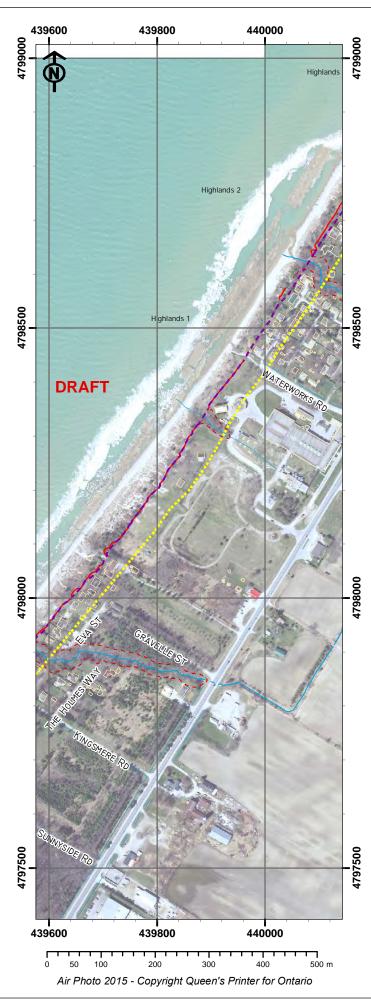
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SUBCELL 3
Cohesive bluffs

Lakeshore features

Top of bluff - May 2015

--- Lakeshore Area 1

······ Lakeshore Area 2

Other features

---- Top of slope

Surface watercourse

Subsurface (tile) waterflow

Building

Lakeshore Area 1

Area 1 Lakeshore Area 2 rd Flood Hazard – not applicable

Flood Hazard
That area of the shoreline landward (or inland)
from the water's edge, including the 100-year
flood level plus wave uprush and Other Water
Related Hazards (OWRH) setback (which is 15m in
the absence of a site specific study). This is also
known as the Regulatory Flood Standard.

Erosion Hazard

That area of the shoreline landward (or inland) from the water's edge, including the stable slope line (3H:1V), from the toe of the lakebank.

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Dynamic Beach Hazard

That area landward (or inland) from the water's edge including the 100-year flood level plus a distance of 30 metres measured horizontally. This 30 metres includes the 15 Wave Uprush and Other Water Related Hazards (OWRH) plus an additional ABCA 15 m allowance*. It is part of the active beach zone and portion of the dune complex which would be affected by wave action during the 100-year plus wave uprush event (or historical storm event causing dune cliffing or erosion).

Erosion Hazard

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That area of the shoreline located landward (or

Dynamic Beach Hazard

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SUBCELL 3
Cohesive bluffs

Lakeshore features

Top of bluff - May 2015

--- Lakeshore Area 1

Lakeshore Area 2

Other features

---- Top of slope

Surface watercourse

Subsurface (tile) waterflow

Building

Lakeshore Area 1

Lakeshore Area 2 Flood Hazard – not applicable

Flood Hazard
That area of the shoreline landward (or inland)
from the water's edge, including the 100-year
flood level plus wave uprush and Other Water
Related Hazards (DWRH) setback (which is 15m in
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That area of the shoreline landward (or inland) from the water's edge, including the stable slope line (3H:1V), from the toe of the lakebank.

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Erosion Hazard

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Dvnamic Beach Hazard

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Dynamic Beach Hazard

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Mapping Notes:

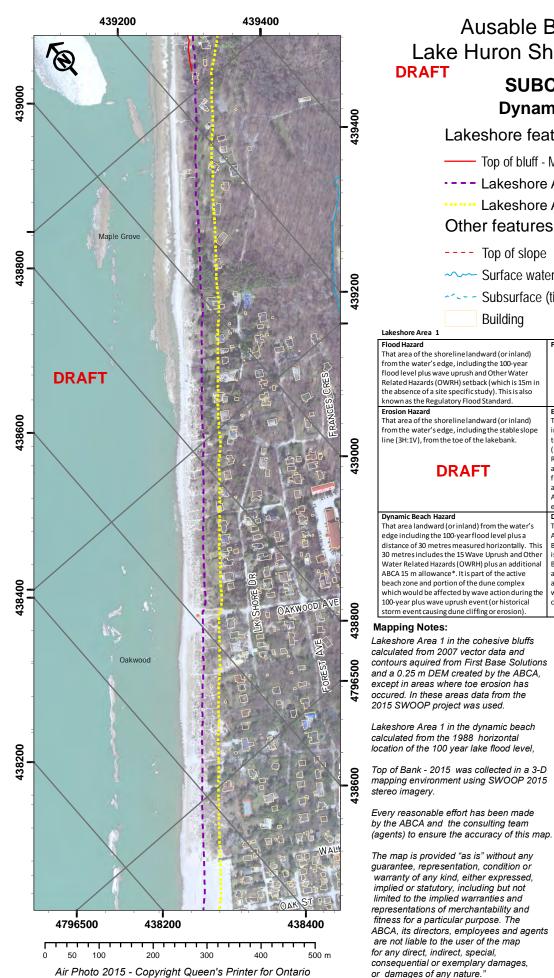
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SUBCELL 4 Dynamic Beach

Lakeshore features

Top of bluff - May 2015

--- Lakeshore Area 1

Lakeshore Area 2

Surface watercourse

Subsurface (tile) waterflow

Lakeshore Area 2

Flood Hazard - not applicable

Erosion Hazard

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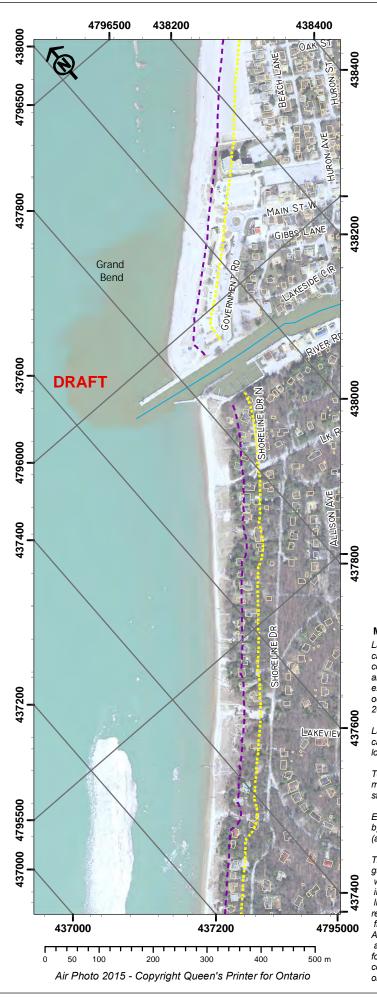
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mapping environment using SWOOP 2015

(agents) to ensure the accuracy of this map.

ABCA, its directors, employees and agents or damages of any nature.





SUBCELL 4
Dynamic Beach

Lakeshore features

Top of bluff - May 2015

---- Lakeshore Area 1

Lakeshore Area 2

Other features

---- Top of slope

Surface watercourse

Subsurface (tile) waterflow

Building

Lakeshore Area 1

Lakeshore Area 2 Flood Hazard – not applicable

Flood Hazard
That area of the shoreline landward (or inland)
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Erosion Hazar

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Mapping Notes:

Dynamic Beach Hazard

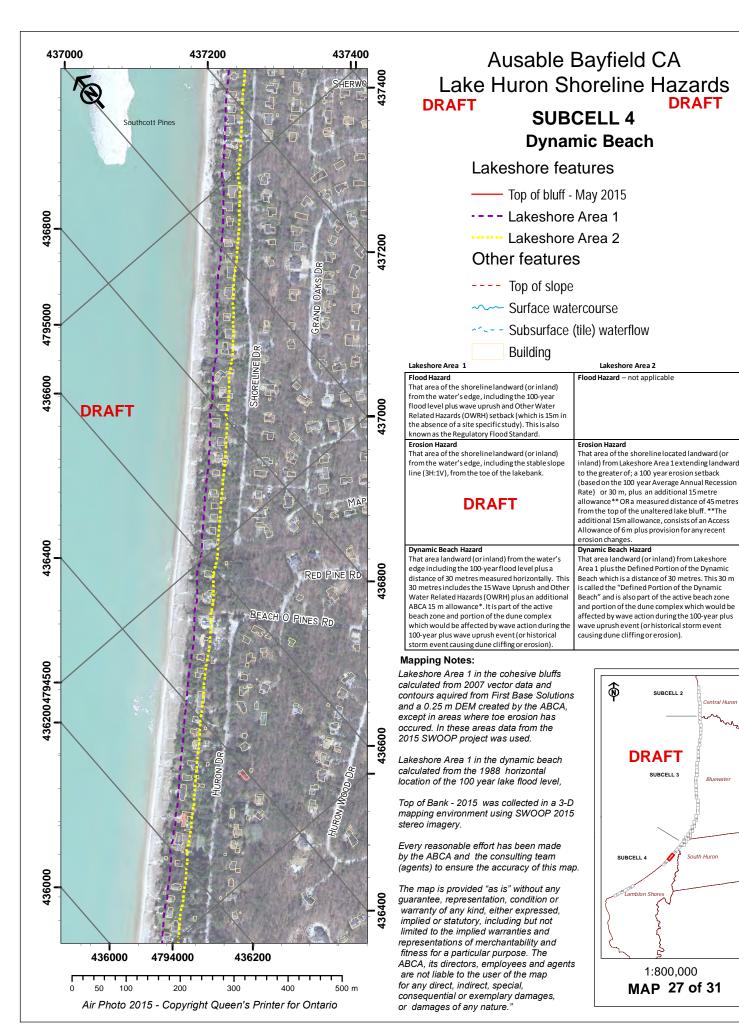
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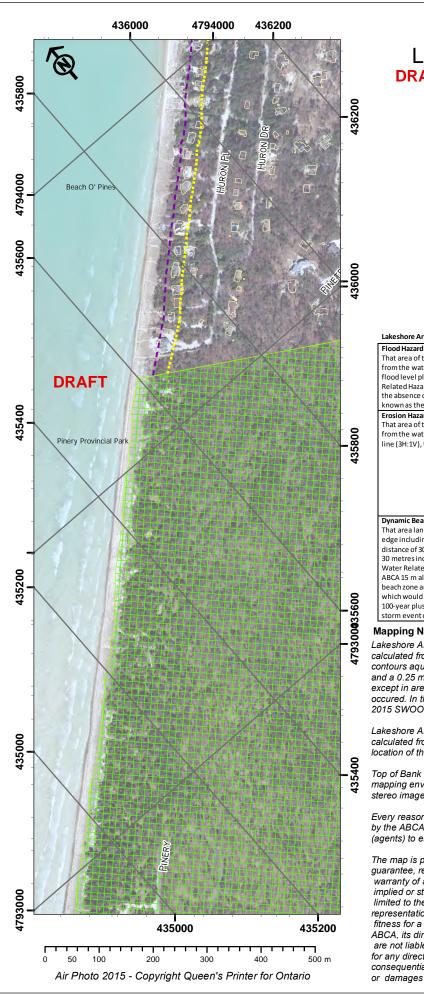
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SUBCELL 4 Dynamic Beach

Lakeshore features

Top of bluff - May 2015

--- Lakeshore Area 1

Lakeshore Area 2

Other features

---- Top of slope

Surface watercourse

Subsurface (tile) waterflow

Building

Flood Hazard - not applicable

That area of the shoreline landward (or inland) from the water's edge, including the 100-year flood level plus wave uprush and Other Water Related Hazards (OWRH) setback (which is 15m in the absence of a site specific study). This is also known as the Regulatory Flood Standard.

Erosion Hazard

That area of the shoreline landward (or inland) from the water's edge, including the stable slope line (3H:1V), from the toe of the lakebank.

DRAFT

Dynamic Beach Hazard

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Erosion Hazard

Lakeshore Area 2

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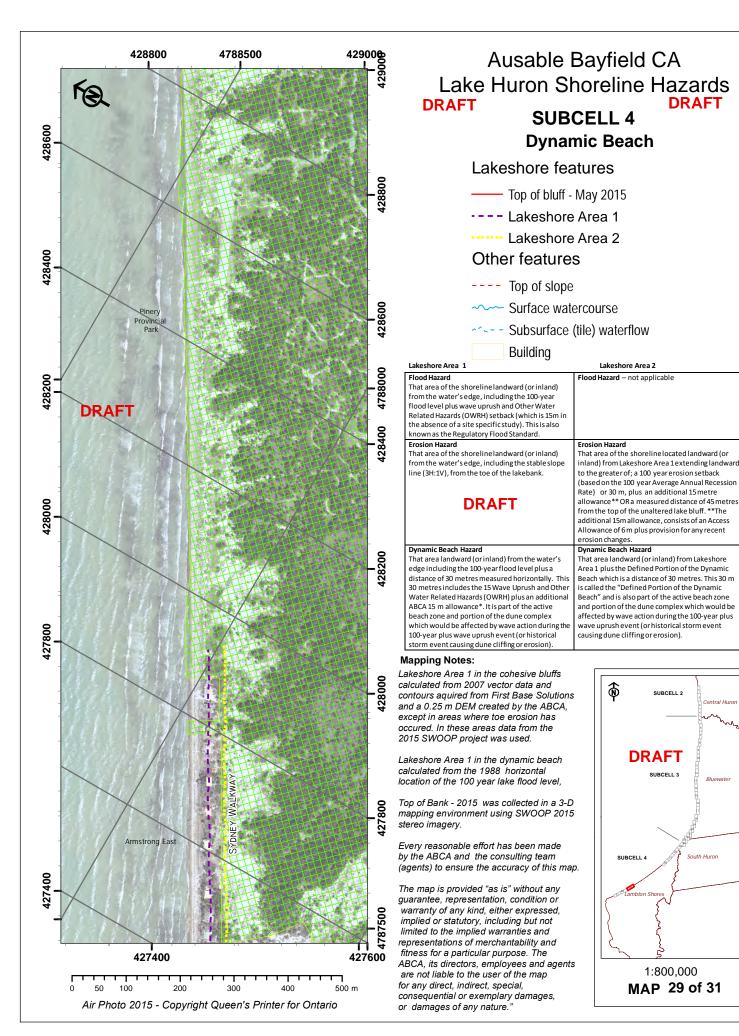
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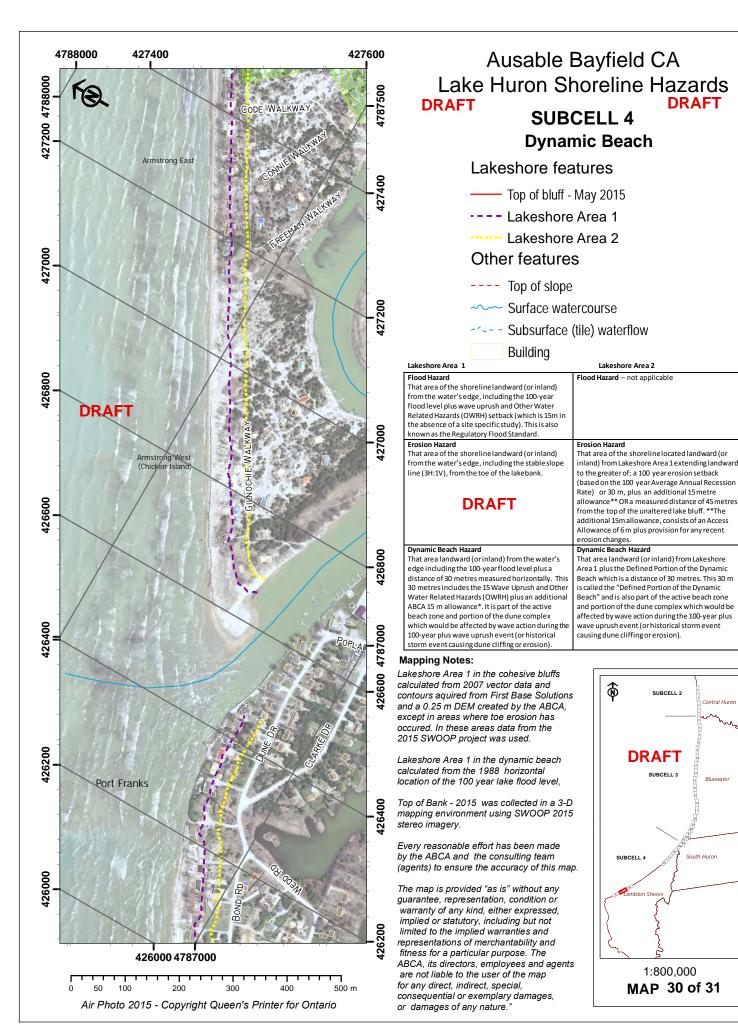
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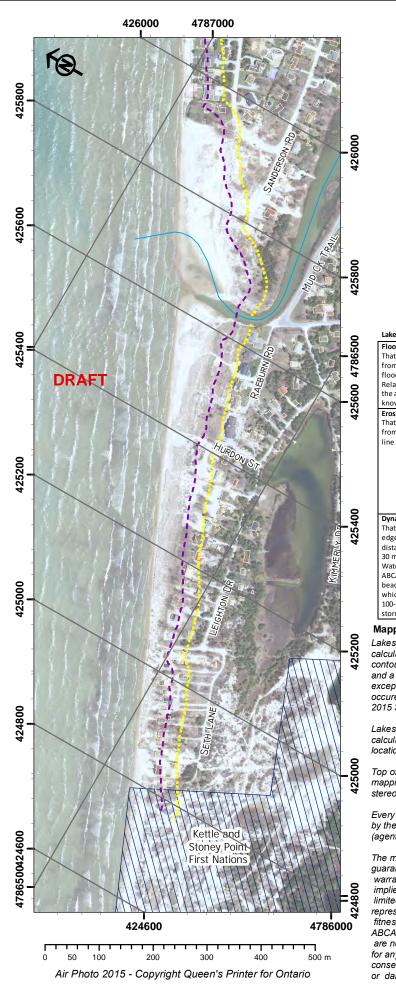
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SUBCELL 4 Dynamic Beach

Lakeshore features

Top of bluff - May 2015

--- Lakeshore Area 1

Lakeshore Area 2

Other features

---- Top of slope

Surface watercourse

Subsurface (tile) waterflow

Building

Flood Hazard Flood Hazard - not applicable That area of the shoreline landward (or inland) from the water's edge, including the 100-year flood level plus wave uprush and Other Water

Related Hazards (OWRH) setback (which is 15m in the absence of a site specific study). This is also known as the Regulatory Flood Standard.

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Erosion Hazard

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