

# Appendix A: Maps

# EAU BC

ECOLOGICAL AQUATIC UNITS  
OF BRITISH COLUMBIA

Map 1:

## Freshwater Ecoregions of British Columbia



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This map is illustrative only. Do not rely on it as being a precise indicator of routes, locations of features, nor as a guide to navigation. This map may contain omissions or errors.

Data Sources: BC Ministry of Environment 2006  
Nature Conservancy of Canada 2007

Projection: BC Environment Albers, NAD 1983

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Cartography by Colin Anderson

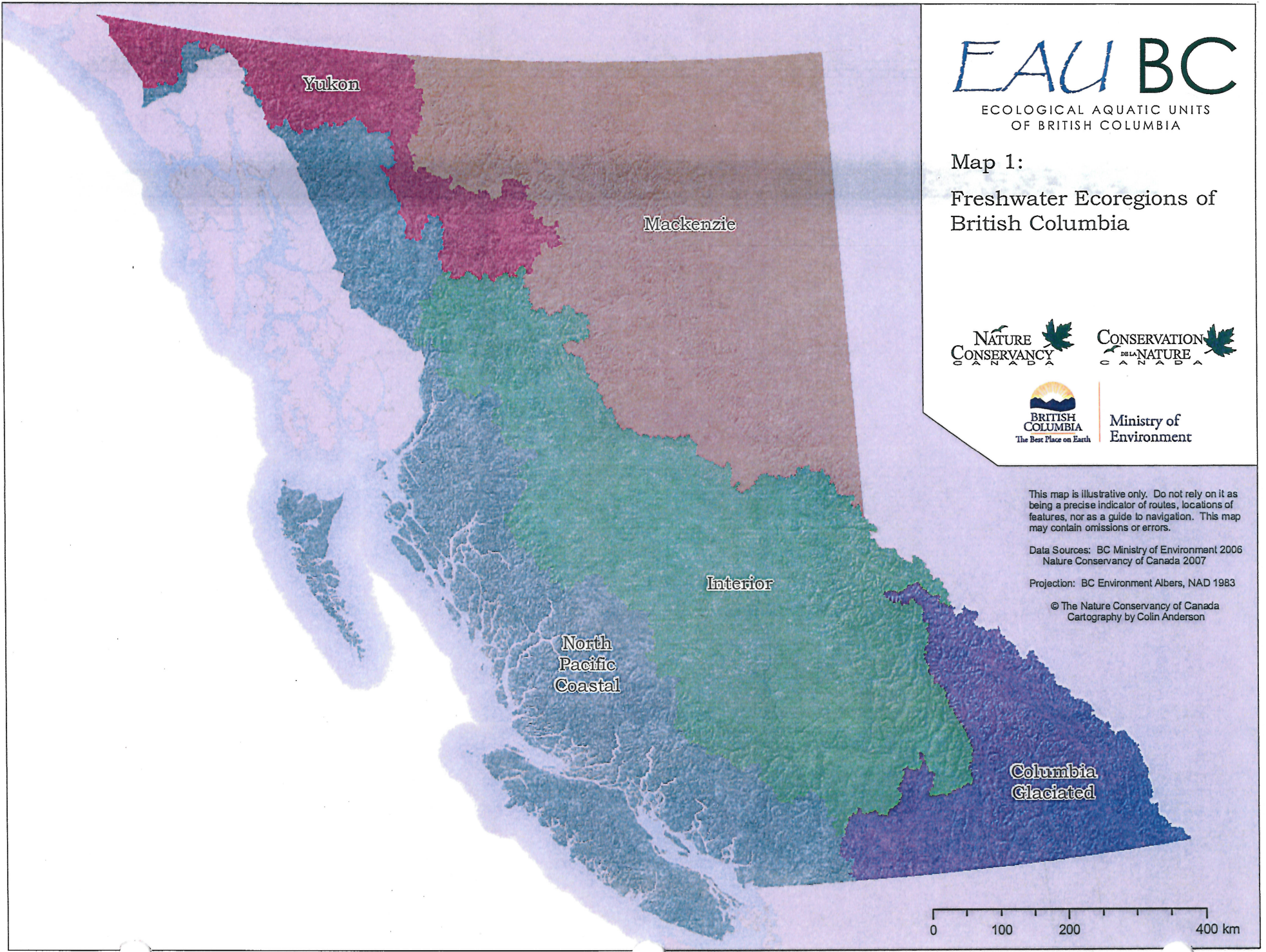
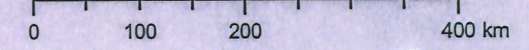
Yukon

Mackenzie

Interior

North  
Pacific  
Coastal

Columbia  
Glaciated



# EAU BC

ECOLOGICAL AQUATIC UNITS  
OF BRITISH COLUMBIA

Map 2:

## Ecological Drainage Units of British Columbia



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Nature Conservancy of Canada 2007

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-  Yukon
-  Mackenzie
-  North Pacific Coastal
-  Interior
-  Columbia Glaciated

Haida Gwaii  
Queen Charlotte  
Islands

North  
Coastal

Lower Nass  
- Portland

Central  
Coastal

Bella  
Coola  
- Dean

Homathko  
- Klinaklini

Vancouver  
Island

South  
Coastal

Puget  
Sound

Alsek

Lewes

Teslin

Nakina

Taku

Upper  
Liard

Lower  
Liard

Hay

Upper  
Stikine

Iskut -  
Lower  
Stikine

Upper  
Nass

Upper  
Peace

Lower  
Peace

Upper  
Skeena

Lower  
Skeena

Upper  
Fraser

Middle  
Fraser

Upper  
Columbia

Thompson

Lower  
Kootenay

Upper  
Kootenay

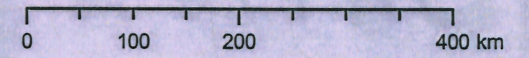
Flathead

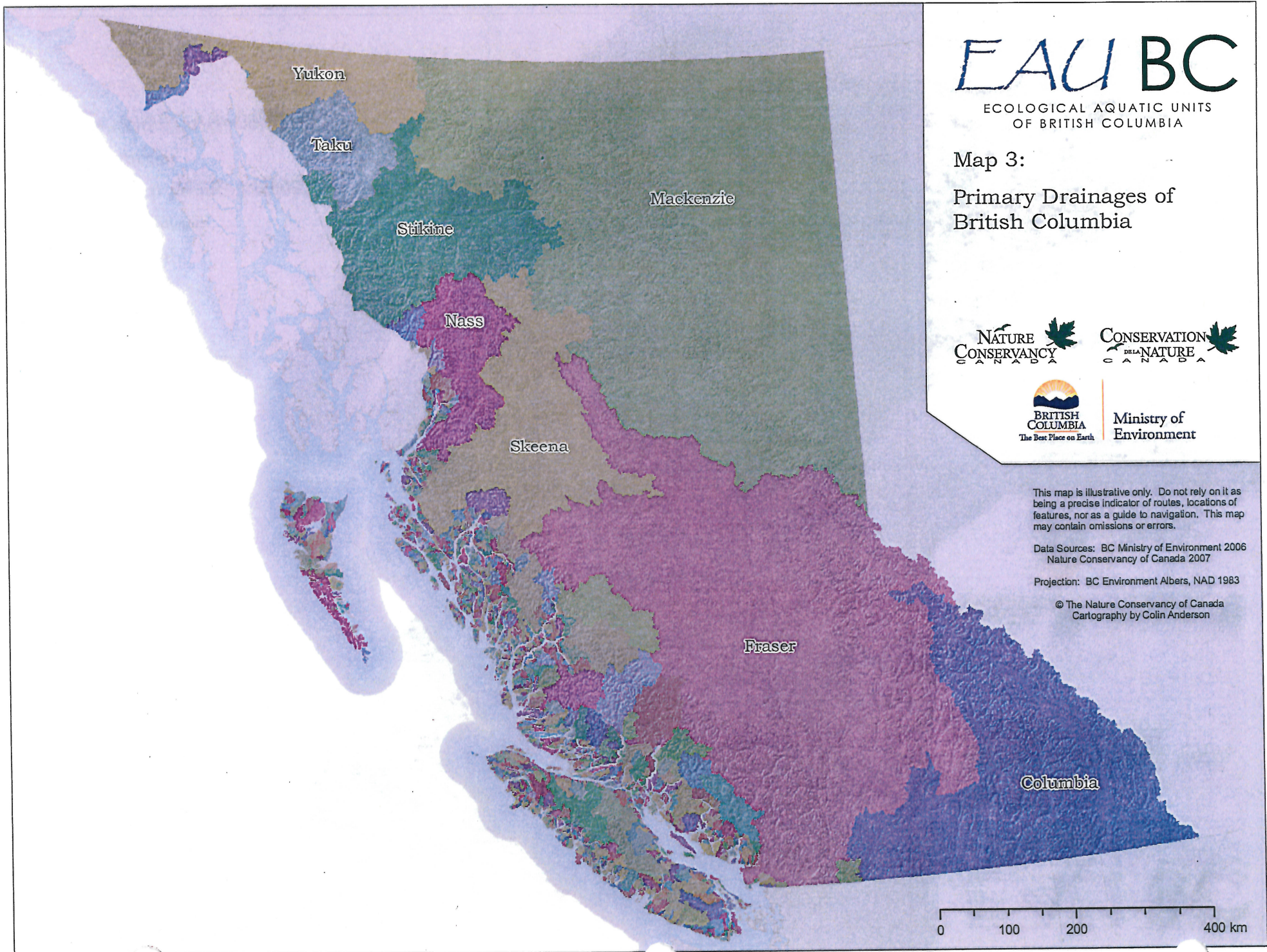
Okanagan

Similkameen

Kettle

Columbia - Arrow Lakes





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ECOLOGICAL AQUATIC UNITS  
OF BRITISH COLUMBIA

Map 3:

## Primary Drainages of British Columbia



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Data Sources: BC Ministry of Environment 2006  
Nature Conservancy of Canada 2007

Projection: BC Environment Albers, NAD 1983

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ECOLOGICAL AQUATIC UNITS  
OF BRITISH COLUMBIA

Map 4:

## River Ecosystem Connectivity Classes



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Data Sources: BC Ministry of Environment 2006  
Nature Conservancy of Canada 2007

Projection: BC Environment Albers, NAD 1983

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-  Headwaters (H)
-  Tributary (T)
-  Mainstem (M)
-  Coastal (C)

0 100 200 400 km

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ECOLOGICAL AQUATIC UNITS  
OF BRITISH COLUMBIA

Map 5:

## Lake Ecosystem Connectivity Classes



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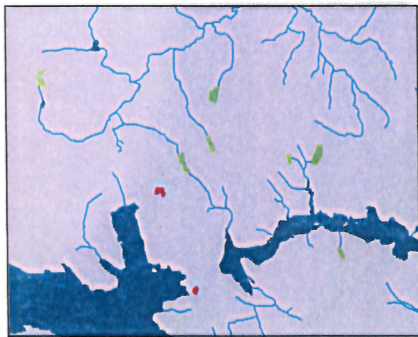
This map is illustrative only. Do not rely on it as being a precise indicator of routes, locations of features, nor as a guide to navigation. This map may contain omissions or errors.

Data Sources: BC Ministry of Environment 2006  
Nature Conservancy of Canada 2007

Projection: BC Environment Albers, NAD 1983

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-  Isolated (I)
-  Headwater (U)
-  Drainage (D)



Note: Lake polygons have been buffered to increase legibility.

0 100 200 400 km

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ECOLOGICAL AQUATIC UNITS  
OF BRITISH COLUMBIA

Map 6:

## Headwater River Ecosystem Types of BC






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Data Sources: BC Ministry of Environment 2006  
Nature Conservancy of Canada 2007

Projection: BC Environment Albers, NAD 1983

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-  Coastal Headwater Rivers (H1)
-  Interior, Low Relief Headwater Rivers (H2)
-  Interior, High Relief Headwater Rivers (H3)

0 100 200 400 km

# EAU BC

ECOLOGICAL AQUATIC UNITS  
OF BRITISH COLUMBIA

Map 7:

## Tributary River Ecosystem Types of BC






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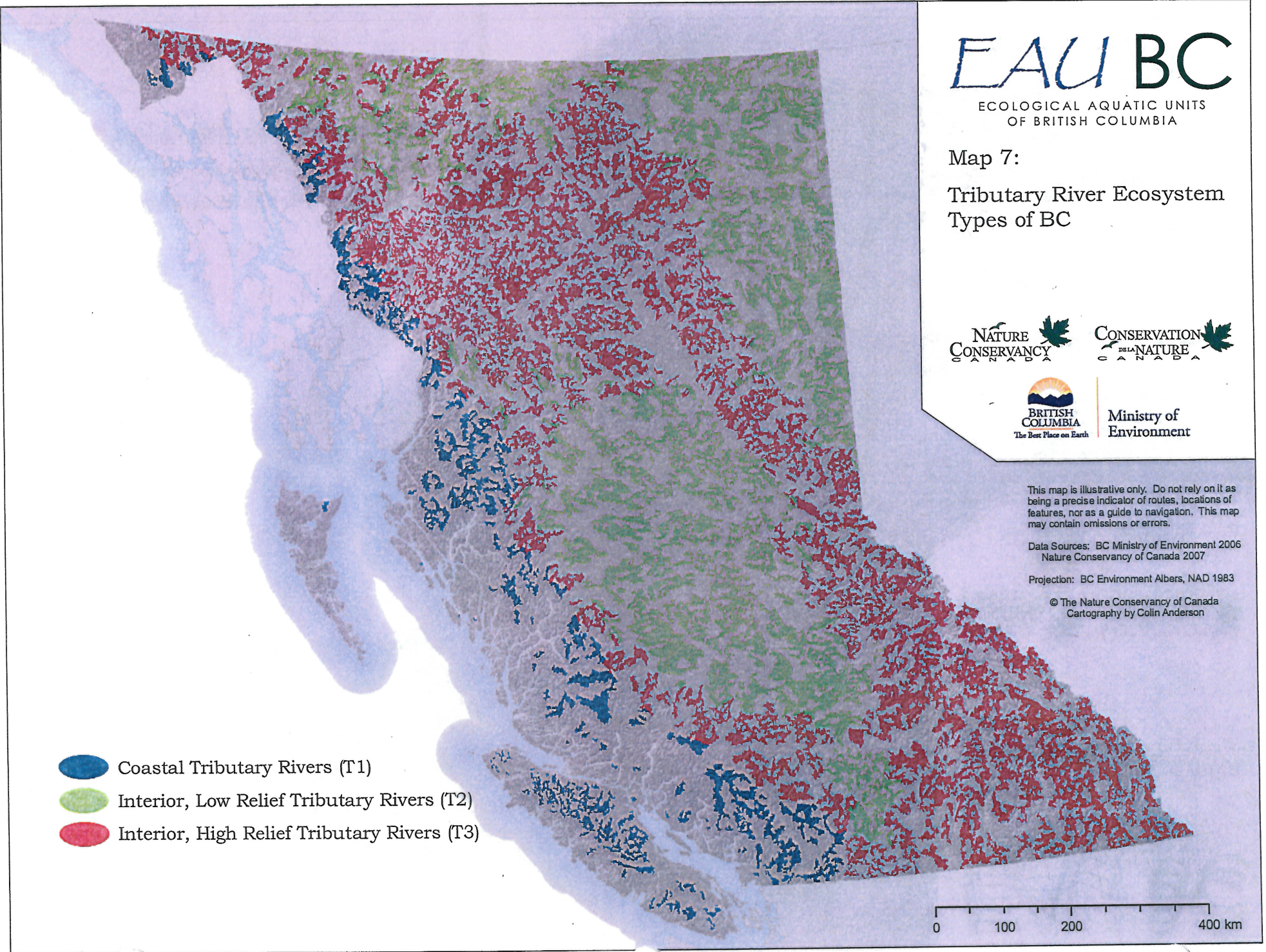
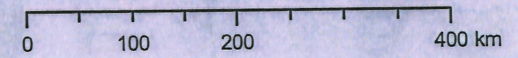
This map is illustrative only. Do not rely on it as being a precise indicator of routes, locations of features, nor as a guide to navigation. This map may contain omissions or errors.

Data Sources: BC Ministry of Environment 2006  
Nature Conservancy of Canada 2007

Projection: BC Environment Albers, NAD 1983

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-  Coastal Tributary Rivers (T1)
-  Interior, Low Relief Tributary Rivers (T2)
-  Interior, High Relief Tributary Rivers (T3)



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ECOLOGICAL AQUATIC UNITS  
OF BRITISH COLUMBIA

Map 8:

Mainstem River Ecosystem  
Types of BC






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Data Sources: BC Ministry of Environment 2006  
Nature Conservancy of Canada 2007

Projection: BC Environment Albers, NAD 1983

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-  Coastal Mainstem Rivers (M1)
-  Interior, Low Relief Mainstem Rivers (M2)
-  Interior, High Relief Mainstem Rivers (M3)

0 100 200 400 km

# EAU BC

ECOLOGICAL AQUATIC UNITS  
OF BRITISH COLUMBIA

Map 9:

Coastal River Ecosystem  
Types of BC





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Data Sources: BC Ministry of Environment 2006  
Nature Conservancy of Canada 2007

Projection: BC Environment Albers, NAD 1983

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-  Outer Coast and Island Coastal Rivers (C1)
-  Inner Coast and Fjord Coastal Rivers (C2)

0 100 200 400 km

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ECOLOGICAL AQUATIC UNITS  
OF BRITISH COLUMBIA

Map 10:

## Headwater River Ecosystem Sub-Types of BC










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Data Sources: BC Ministry of Environment 2006  
Nature Conservancy of Canada 2007

Projection: BC Environment Albers, NAD 1983

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-  High Relief, Coast Headwater Rivers (H1a)
-  Low Relief, Coast Headwater Rivers (H1b)
-  Interior, Low Relief Headwater Rivers in the Northeast (H2a)
-  Interior, Low Relief Headwater Rivers in the Central Interior (H2b)
-  Interior, High Relief Headwater Rivers in the Southern Rockies and Coast Mountains (H3a)
-  Interior, High Relief Headwater Rivers in the Northern Rockies and Cassiar Mountains (H3b)
-  Interior, Foothills Headwater Rivers (H3c)

0 100 200 400 km

# EAU BC

ECOLOGICAL AQUATIC UNITS  
OF BRITISH COLUMBIA

Map 11:

## Tributary River Ecosystem Sub-Types of BC










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Data Sources: BC Ministry of Environment 2006  
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Projection: BC Environment Albers, NAD 1983

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-  High Relief, Coast Tributary Rivers (T1a)
-  Low Relief, Coast Tributary Rivers (T1b)
-  Interior, Low Relief Tributary Rivers in the Northeast (T2a)
-  Interior, Low Relief Tributary Rivers in the Central Interior (T2b)
-  Interior, High Relief Tributary Rivers in the Southern Rockies and Coast Mountains (T3a)
-  Interior, High Relief Tributary Rivers in the Northern Rockies and Cassiar Mountains (T3b)
-  Interior, Foothills Tributary Rivers (T3c)

0 100 200 400 km

# EAU BC

ECOLOGICAL AQUATIC UNITS  
OF BRITISH COLUMBIA

Map 12:

## Mainstem River Ecosystem Sub-Types of BC








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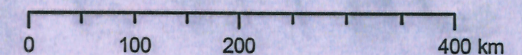
This map is illustrative only. Do not rely on it as being a precise indicator of routes, locations of features, nor as a guide to navigation. This map may contain omissions or errors.

Data Sources: BC Ministry of Environment 2006  
Nature Conservancy of Canada 2007

Projection: BC Environment Albers, NAD 1983

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-  Coastal Mainstem Rivers (M1)
-  Interior, Low Relief Mainstem Rivers in the Northeast (M2a)
-  Interior, Low Relief Mainstem Rivers in the Central Interior (M2b)
-  Interior, High Relief Mainstem Rivers in the Southern Rockies and Coast Mountains (M3a)
-  Interior, High Relief Mainstem Rivers in the Northern Rockies and Cassiar Mountains (M3b)



# EAU BC

ECOLOGICAL AQUATIC UNITS  
OF BRITISH COLUMBIA

Map 13:

Coastal River Ecosystem  
Sub-Types of BC







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Data Sources: BC Ministry of Environment 2006  
Nature Conservancy of Canada 2007

Projection: BC Environment Albers, NAD 1983

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-  Exposed Outer Coast and Island Coastal Rivers (C1a)
-  Sheltered Outer Coast and Island Coastal Rivers (C1b)
-  Upper Inner Coast and Fjord Coastal Rivers (C2a)
-  Lower Inner Coast and Fjord Coastal Rivers (C2b)

0 100 200 400 km

# EAU BC




ECOLOGICAL AQUATIC UNITS  
OF BRITISH COLUMBIA

Map 14:

## Isolated Lake Ecosystem Types in BC



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-  Coastal Isolated Lakes (I1)
-  Interior, Low Relief Isolated Lakes in the Northeast (I2)
-  Interior, Isolated Lakes excluding the Northeast (I3)

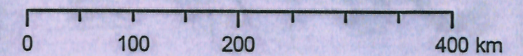
Note: Lake polygons have been buffered to increase legibility.

This map is illustrative only. Do not rely on it as being a precise indicator of routes, locations of features, nor as a guide to navigation. This map may contain omissions or errors.

Data Sources: BC Ministry of Environment 2006  
Nature Conservancy of Canada 2007

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ECOLOGICAL AQUATIC UNITS  
OF BRITISH COLUMBIA

Map 15:

Headwater Lake  
Ecosystem Types in BC







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Data Sources: BC Ministry of Environment 2006  
Nature Conservancy of Canada 2007

Projection: BC Environment Albers, NAD 1983

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-  Coastal Headwater Lakes (U1)
-  Interior, Moderate Relief - Foothills Headwater Lakes (U2)
-  Small, Interior Headwater Lakes (U3)
-  Large, Interior Headwater Lakes (U4)

Note: Lake polygons have been buffered to increase legibility.

0 100 200 400 km

# EAU BC

ECOLOGICAL AQUATIC UNITS  
OF BRITISH COLUMBIA

Map 16:

## Drainage Lake Ecosystem Types in BC








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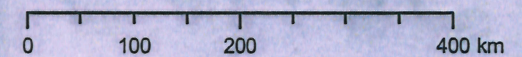
Data Sources: BC Ministry of Environment 2006  
Nature Conservancy of Canada 2007

Projection: BC Environment Albers, NAD 1983

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-  Coastal Drainage Lakes (D1)
-  Interior, Low Relief Drainage Lakes in the Northeast (D2)
-  Interior, Low Relief Drainage Lakes in the Central Interior (D3)
-  Interior, Moderate to High Relief Drainage Lakes (D4)
-  Large Drainage Lakes (D5)

Note: Lake polygons have been buffered to increase legibility.



# EAU BC

ECOLOGICAL AQUATIC UNITS  
OF BRITISH COLUMBIA

Map 17:

Modeled River Mainstem  
Stream Gradient




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Data Sources: BC Ministry of Environment 2006  
Nature Conservancy of Canada 2007

Projection: BC Environment Albers, NAD 1983

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-  Steep
-  Moderate
-  Shallow

0 100 200 400 km

# EAU BC

ECOLOGICAL AQUATIC UNITS  
OF BRITISH COLUMBIA

Map 18:

Modeled River Tributary  
Stream Gradient



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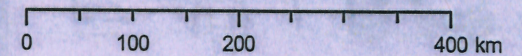
- Steep
- Moderate
- Shallow

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Data Sources: BC Ministry of Environment 2006  
Nature Conservancy of Canada 2007

Projection: BC Environment Albers, NAD 1983

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ECOLOGICAL AQUATIC UNITS  
OF BRITISH COLUMBIA

Map 19:

Modeled River Mainstem  
and Tributary Gradients



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Data Sources: BC Ministry of Environment 2006  
Nature Conservancy of Canada 2007

Projection: BC Environment Albers, NAD 1983

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		Mainstem		
		Steep	Mod.	Shallow
Tributary	Steep			
	Mod.			
	Shallow			

0 100 200 400 km

# EAU BC

ECOLOGICAL AQUATIC UNITS  
OF BRITISH COLUMBIA

Map 20:

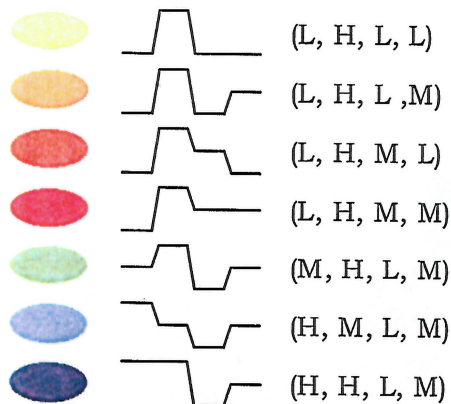
Modeled River Flow Regime



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L = Low flows  
M = Moderate flows  
H = High flows

Sequence of flow regime is  
Winter, Spring, Summer, Fall

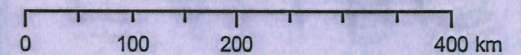


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# EAU BC

ECOLOGICAL AQUATIC UNITS  
OF BRITISH COLUMBIA

Map 21:

Modeled River Water  
Temperature (Summer)



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Nature Conservancy of Canada 2007

Projection: BC Environment Albers, NAD 1983

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-  Warm
-  Cool
-  Cold

0 100 200 400 km