

DFO - Library / MPO - Bibliothèque



04016442

MARCH 2018 - PLEASE NOTE: THIS ITEM HAS BEEN WITHDRAWN. THE CANADIAN HYDROGRAPHIC SERVICE CANNOT VERIFY THE ACCURACY OF THE DATA.



ATLAS OF TIDAL CURRENT CHARTS

VANCOUVER HARBOUR BRITISH COLUMBIA

ATLAS
CHS-TCP
/30
1973

PUBLISHED BY THE
CANADIAN HYDROGRAPHIC SERVICE, MARINE SCIENCES DIRECTORATE
DEPARTMENT OF THE ENVIRONMENT
OTTAWA, CANADA

© Her Majesty the Queen in Right of Canada 1973

PRICE \$5.00

1973

TIDAL CURRENT PUBLICATION NO. 30



TIDAL CURRENT CHARTS - VANCOUVER HARBOUR

This atlas contains twelve charts showing the MEAN current velocity and pattern for each hour of the tidal cycle. The time between two successive slack waters is divided into six equal time zones, and these charts show the pattern of the currents and velocities to be expected. For example if the interval between slack waters is four hours, each chart represents the mean velocity for a forty minute period.



Where the time difference between two successive slack waters is greater or less than six hours, this time difference should be divided by six and added or subtracted from the times shown on the chart.

The time of slack water is for First Narrows obtained from Volume 5 of the Tide and Current Tables.

CAUTION

The conditions shown are for average tides. In general, the pattern will hold, but on larger and smaller tides the velocities will be greater or less than shown.

NOTE

Hourly times printed in red denote a flood current (+ direction)
 Hourly times printed in brown denote an ebb current (- direction)

This atlas is published by the Canadian Hydrographic Service, Marine Sciences Directorate, Department of the Environment, Ottawa. It is based on information obtained in surveys conducted in 1972 by W.S. Huggett of the Tidal and Current Survey Section of the Canadian Hydrographic Service, Victoria, B.C.

Copies may be obtained, price \$5.00 from the Canadian Hydrographic Service, Department of the Environment, Ottawa or Canadian Hydrographic Service, 1230 Government Street, Victoria, B.C.

Mariners and others are invited to transmit any information that they may consider to be of interest to navigation. These communications should be addressed to:

Regional Hydrographer,
 Canadian Hydrographic Service,
 1230 Government Street,
 Victoria, B.C.

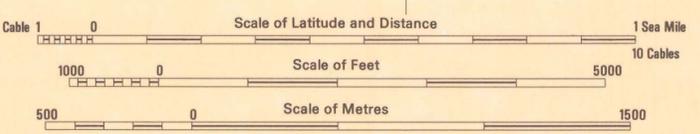
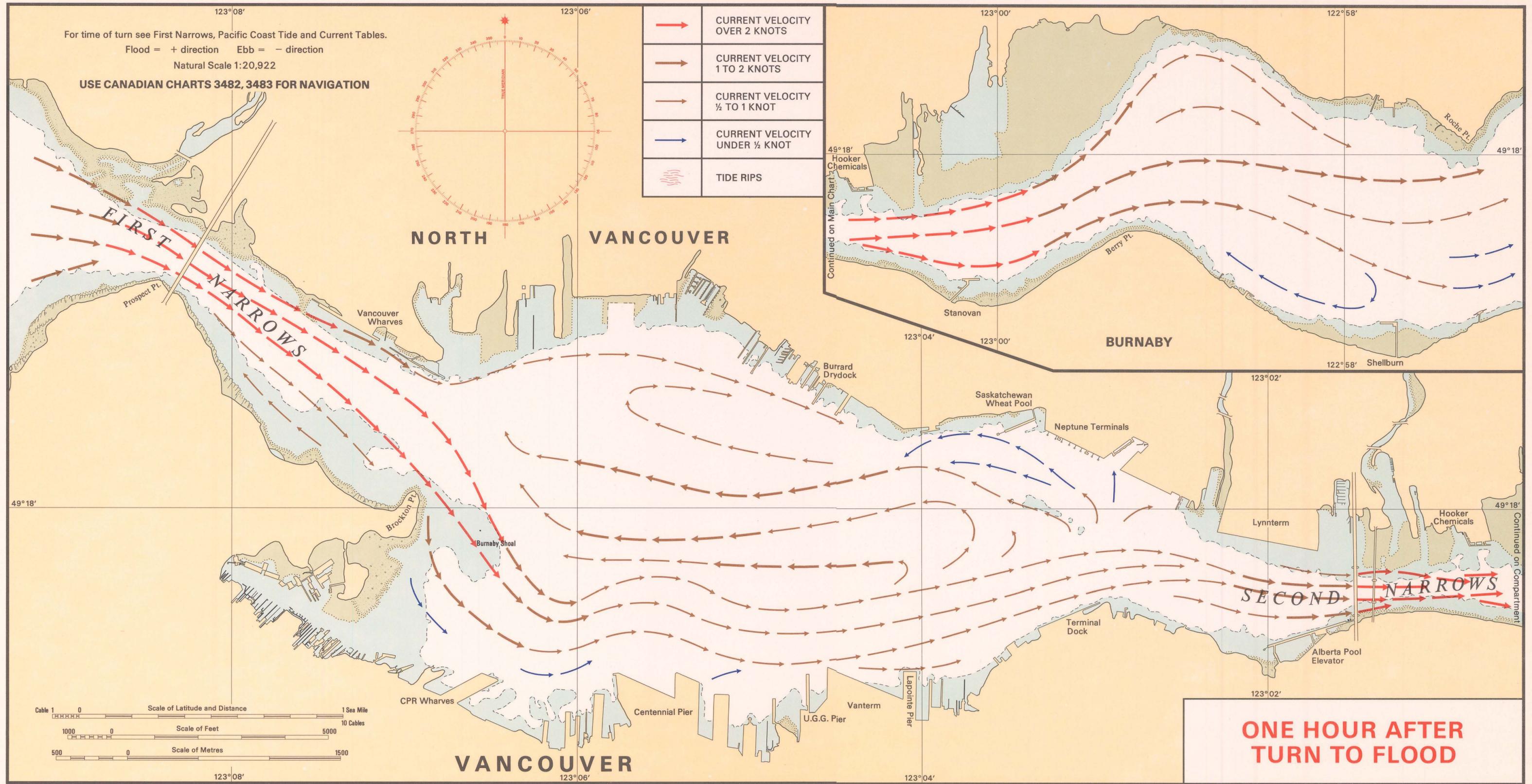
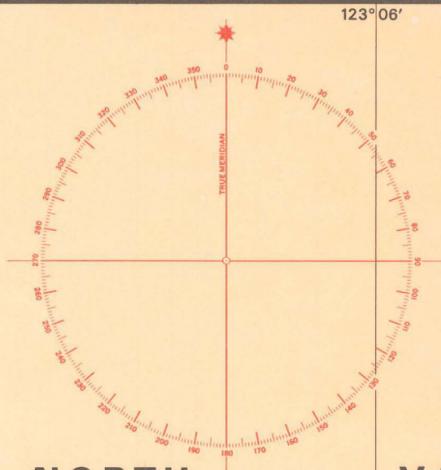
For time of turn see First Narrows, Pacific Coast Tide and Current Tables.

Flood = + direction Ebb = - direction

Natural Scale 1:20,922

USE CANADIAN CHARTS 3482, 3483 FOR NAVIGATION

	CURRENT VELOCITY OVER 2 KNOTS
	CURRENT VELOCITY 1 TO 2 KNOTS
	CURRENT VELOCITY 1/2 TO 1 KNOT
	CURRENT VELOCITY UNDER 1/2 KNOT
	TIDE RIPS



**ONE HOUR AFTER
TURN TO FLOOD**

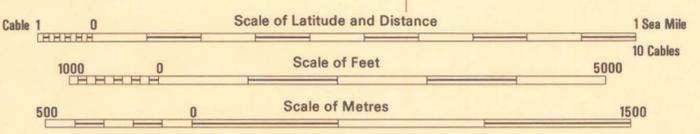
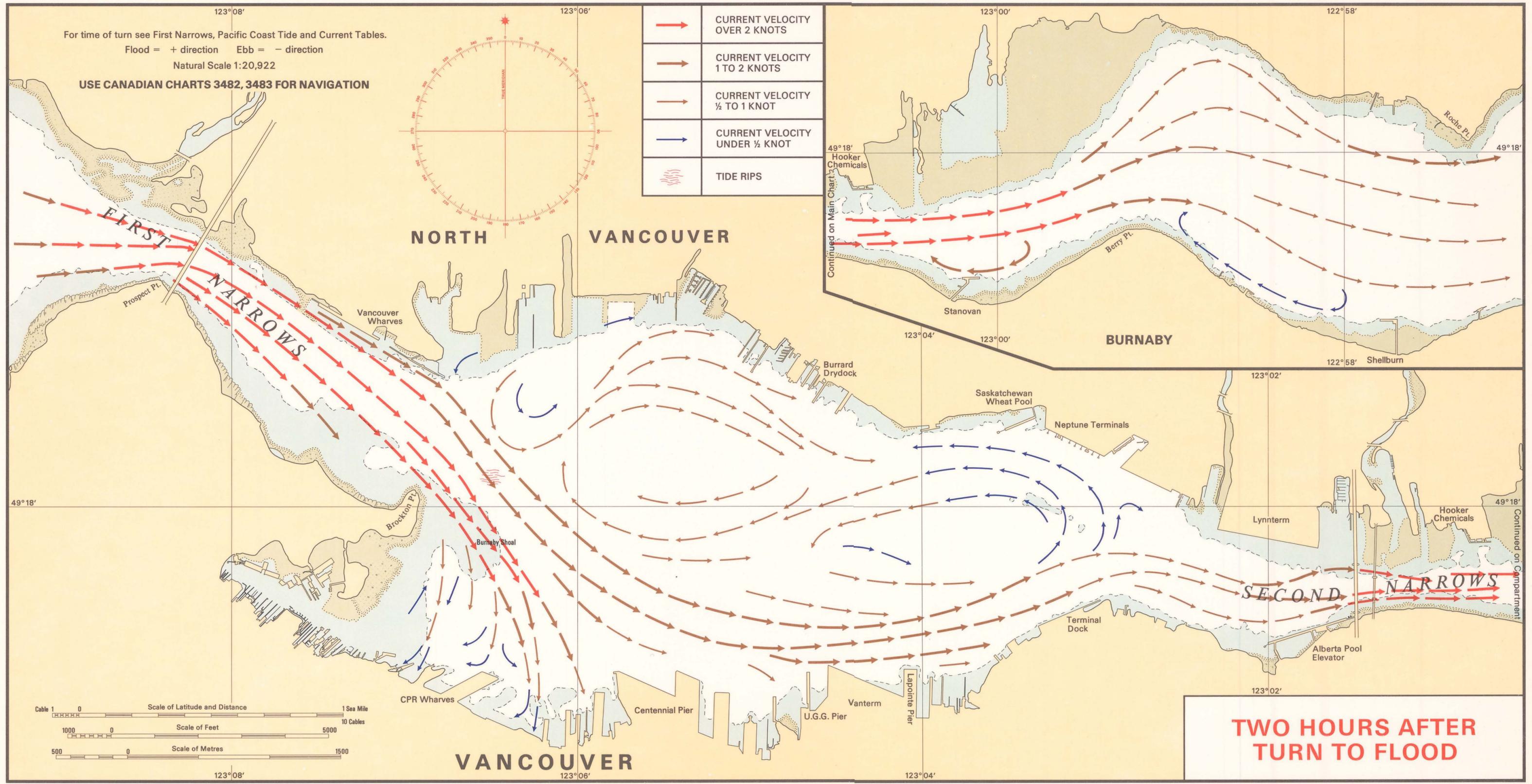
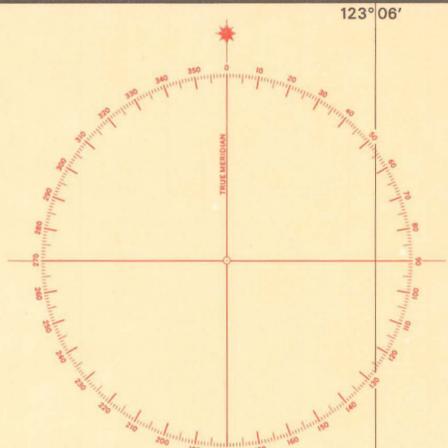
For time of turn see First Narrows, Pacific Coast Tide and Current Tables.

Flood = + direction Ebb = - direction

Natural Scale 1:20,922

USE CANADIAN CHARTS 3482, 3483 FOR NAVIGATION

	CURRENT VELOCITY OVER 2 KNOTS
	CURRENT VELOCITY 1 TO 2 KNOTS
	CURRENT VELOCITY 1/2 TO 1 KNOT
	CURRENT VELOCITY UNDER 1/2 KNOT
	TIDE RIPS



**TWO HOURS AFTER
TURN TO FLOOD**

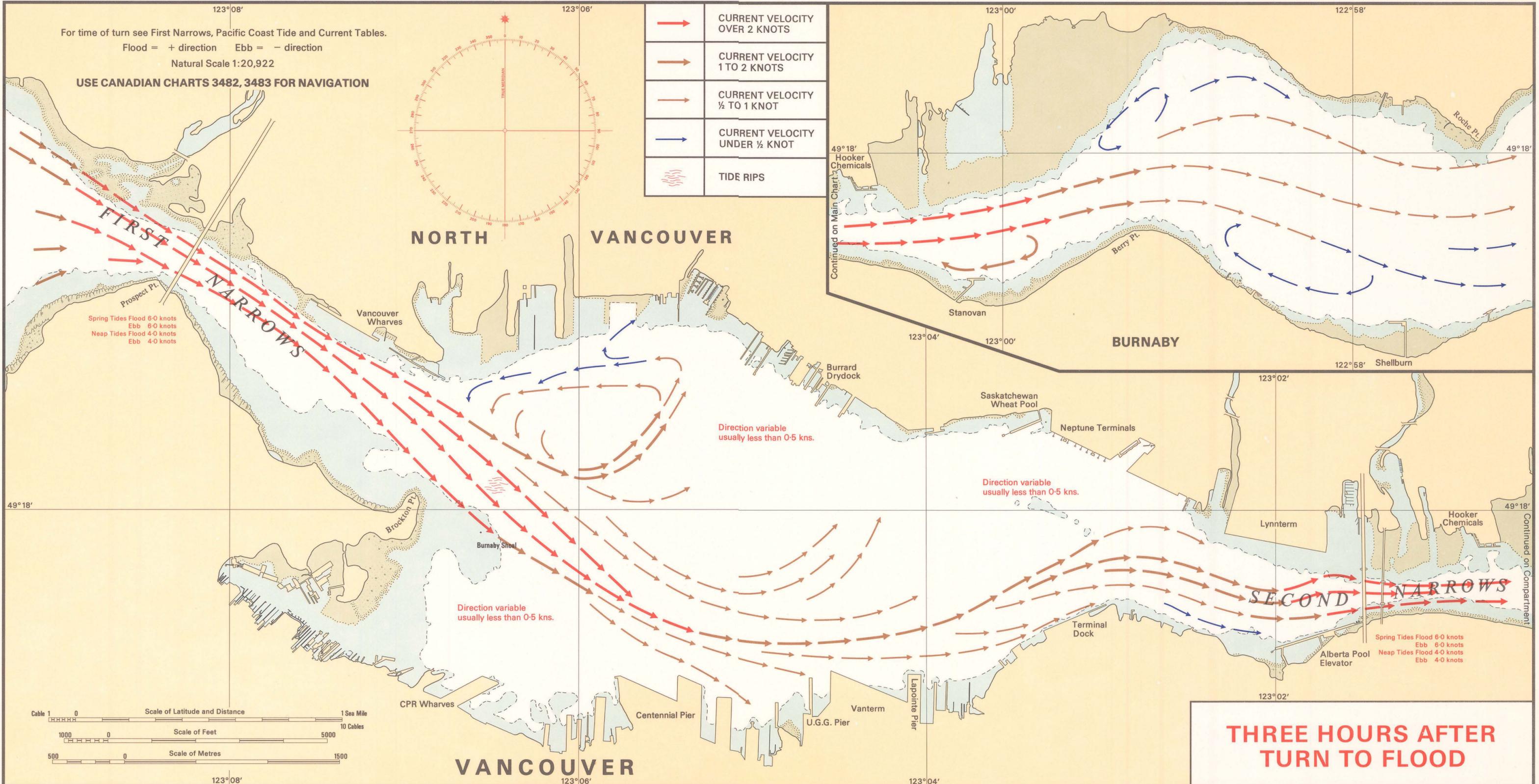
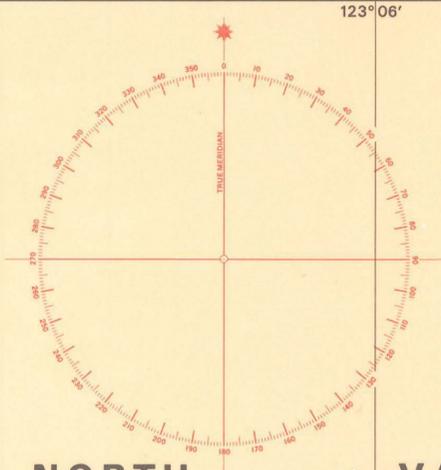
For time of turn see First Narrows, Pacific Coast Tide and Current Tables.

Flood = + direction Ebb = - direction

Natural Scale 1:20,922

USE CANADIAN CHARTS 3482, 3483 FOR NAVIGATION

	CURRENT VELOCITY OVER 2 KNOTS
	CURRENT VELOCITY 1 TO 2 KNOTS
	CURRENT VELOCITY 1/2 TO 1 KNOT
	CURRENT VELOCITY UNDER 1/2 KNOT
	TIDE RIPS



Spring Tides Flood 6.0 knots
Ebb 6.0 knots
Neap Tides Flood 4.0 knots
Ebb 4.0 knots

Direction variable usually less than 0.5 kns.

Direction variable usually less than 0.5 kns.

Direction variable usually less than 0.5 kns.

Spring Tides Flood 6.0 knots
Ebb 6.0 knots
Neap Tides Flood 4.0 knots
Ebb 4.0 knots

**THREE HOURS AFTER
TURN TO FLOOD**

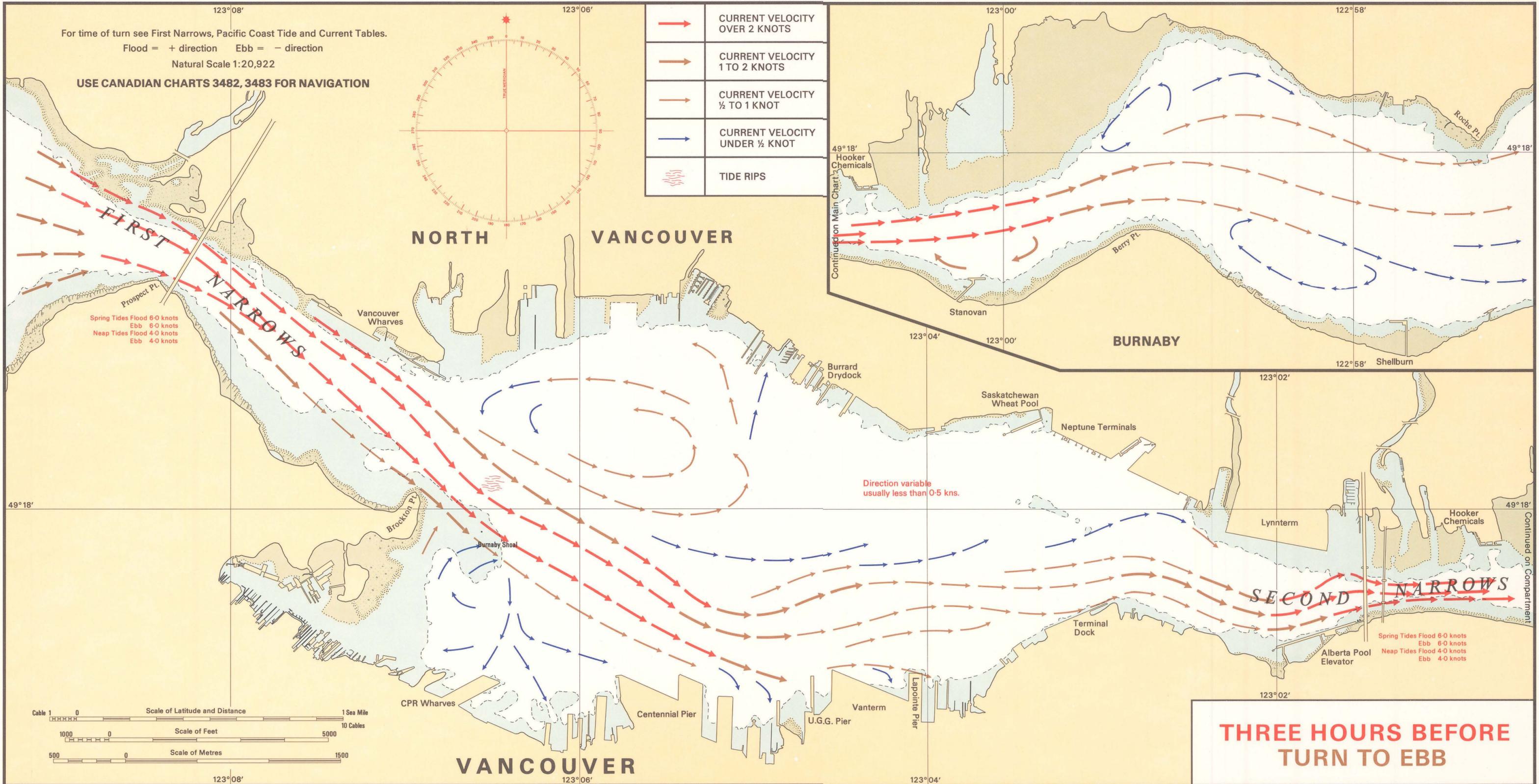
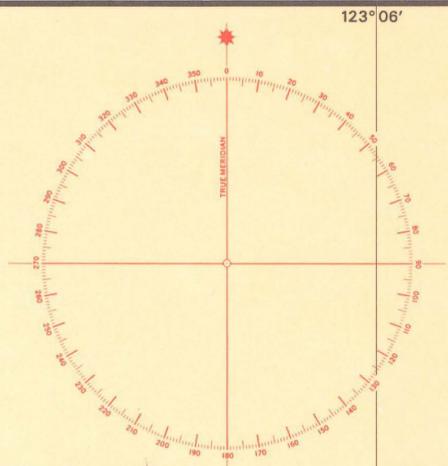
For time of turn see First Narrows, Pacific Coast Tide and Current Tables.

Flood = + direction Ebb = - direction

Natural Scale 1:20,922

USE CANADIAN CHARTS 3482, 3483 FOR NAVIGATION

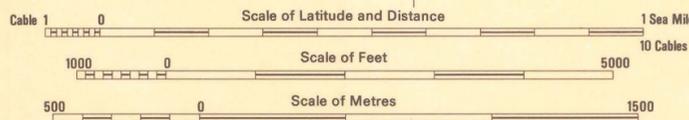
	CURRENT VELOCITY OVER 2 KNOTS
	CURRENT VELOCITY 1 TO 2 KNOTS
	CURRENT VELOCITY 1/2 TO 1 KNOT
	CURRENT VELOCITY UNDER 1/2 KNOT
	TIDE RIPS



Spring Tides Flood 6.0 knots
Ebb 6.0 knots
Neap Tides Flood 4.0 knots
Ebb 4.0 knots

Direction variable usually less than 0.5 kns.

Spring Tides Flood 6.0 knots
Ebb 6.0 knots
Neap Tides Flood 4.0 knots
Ebb 4.0 knots



**THREE HOURS BEFORE
TURN TO EBB**

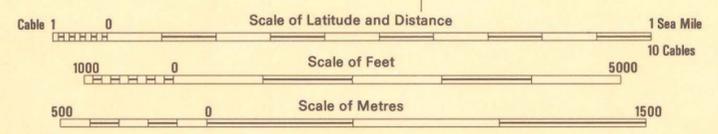
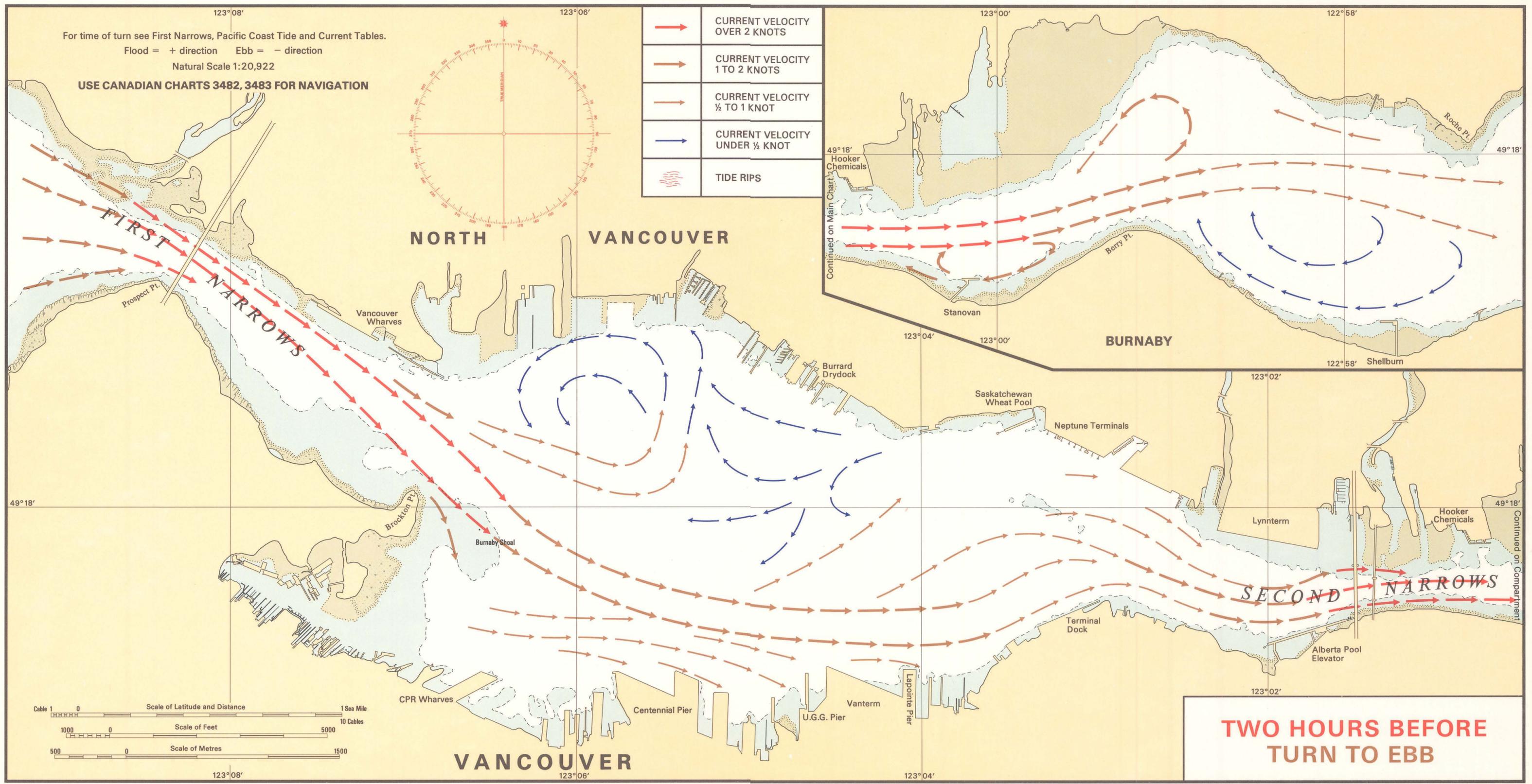
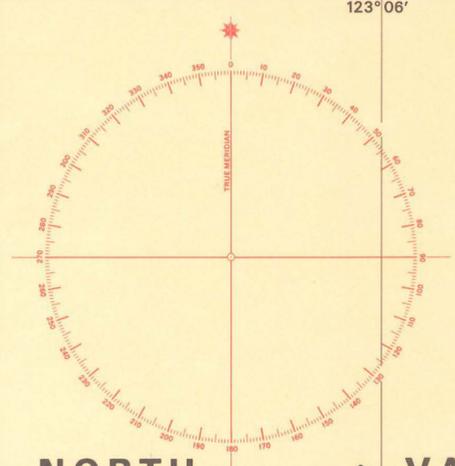
For time of turn see First Narrows, Pacific Coast Tide and Current Tables.

Flood = + direction Ebb = - direction

Natural Scale 1:20,922

USE CANADIAN CHARTS 3482, 3483 FOR NAVIGATION

	CURRENT VELOCITY OVER 2 KNOTS
	CURRENT VELOCITY 1 TO 2 KNOTS
	CURRENT VELOCITY 1/2 TO 1 KNOT
	CURRENT VELOCITY UNDER 1/2 KNOT
	TIDE RIPS



**TWO HOURS BEFORE
TURN TO EBB**

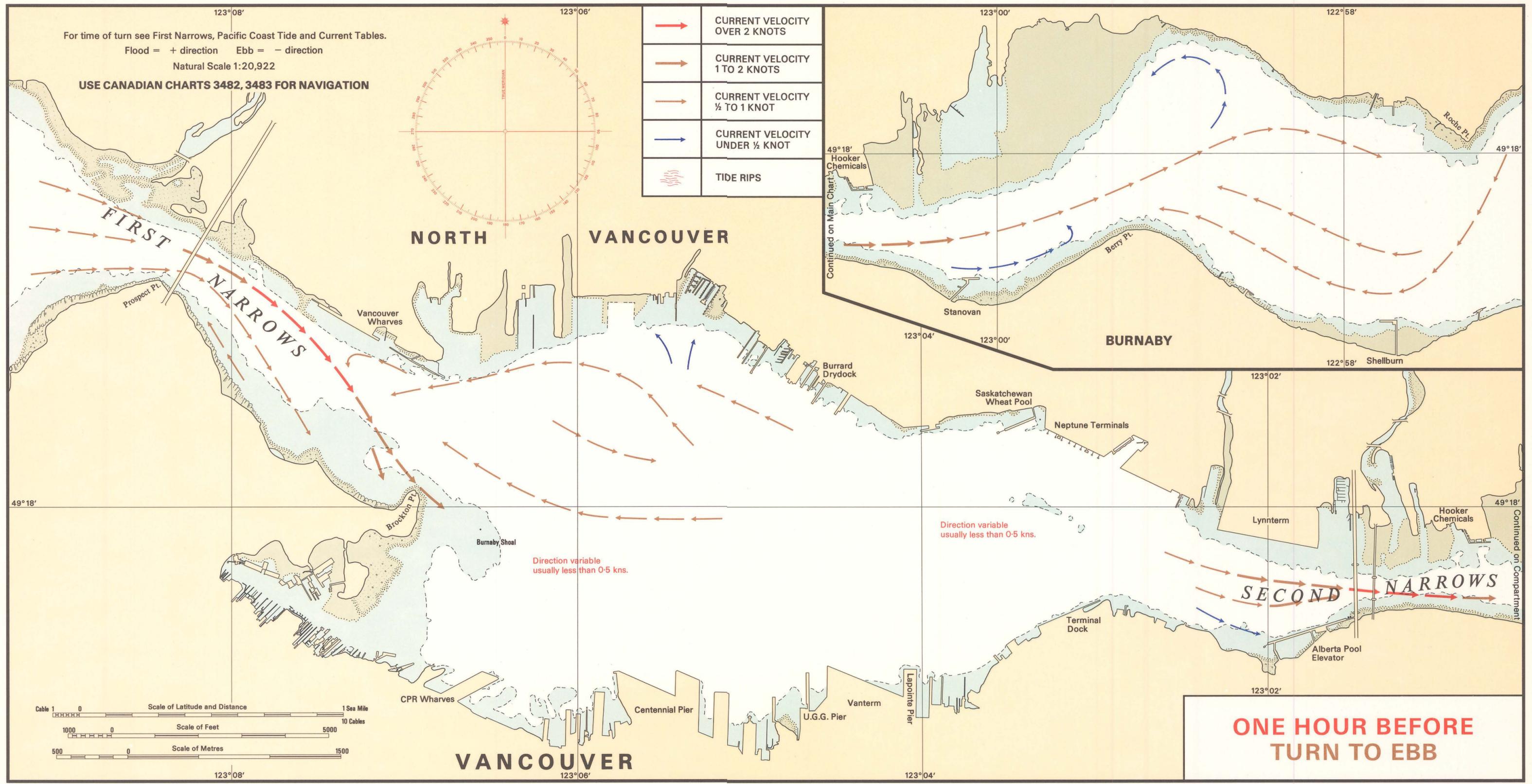
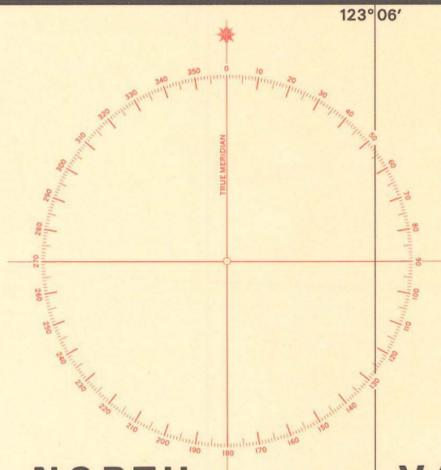
For time of turn see First Narrows, Pacific Coast Tide and Current Tables.

Flood = + direction Ebb = - direction

Natural Scale 1:20,922

USE CANADIAN CHARTS 3482, 3483 FOR NAVIGATION

	CURRENT VELOCITY OVER 2 KNOTS
	CURRENT VELOCITY 1 TO 2 KNOTS
	CURRENT VELOCITY 1/2 TO 1 KNOT
	CURRENT VELOCITY UNDER 1/2 KNOT
	TIDE RIPS



Direction variable usually less than 0.5 kns.

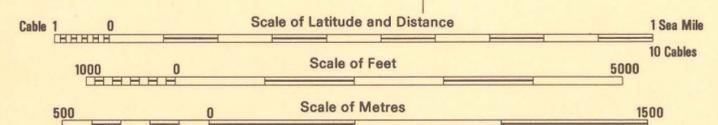
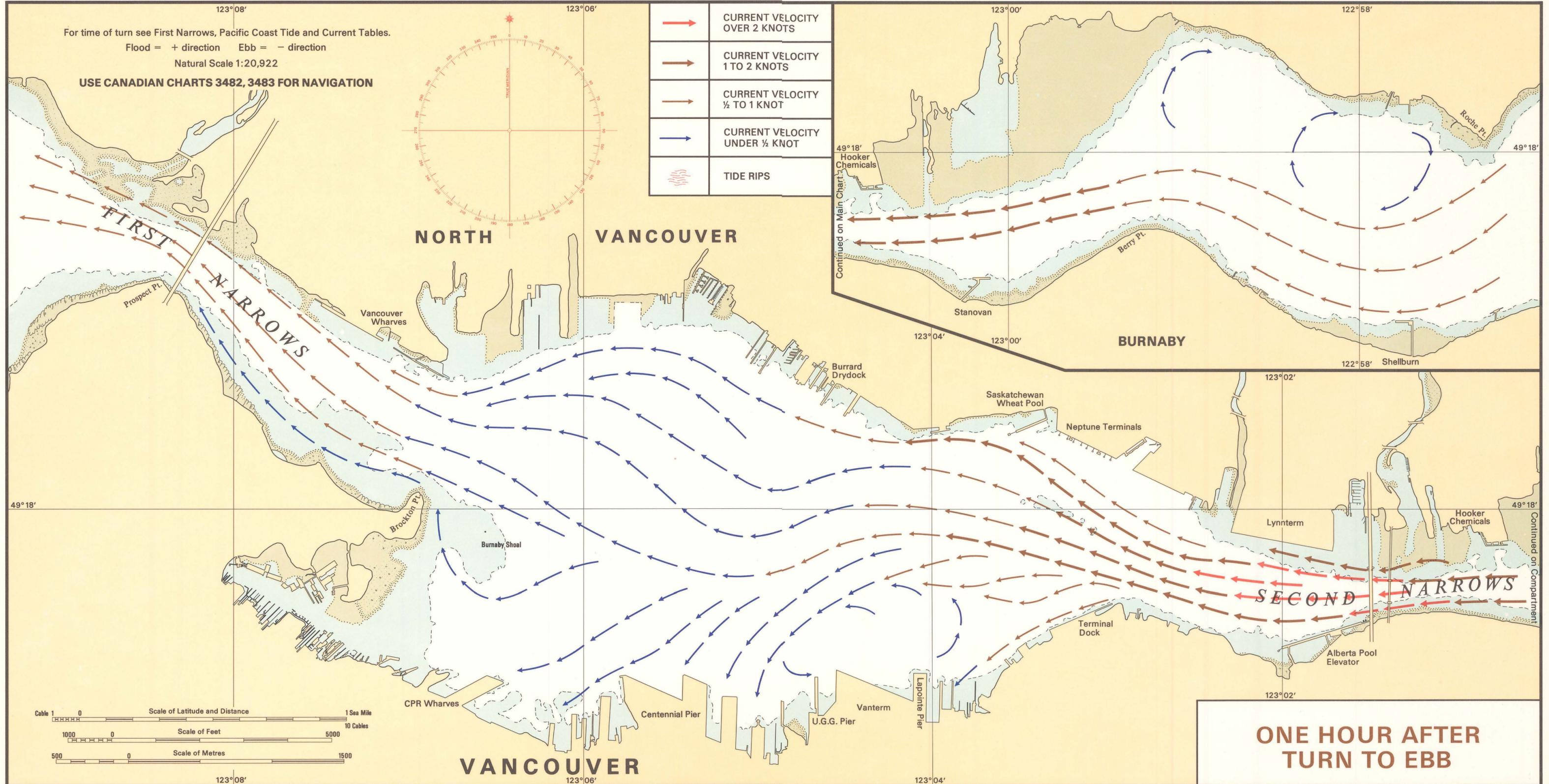
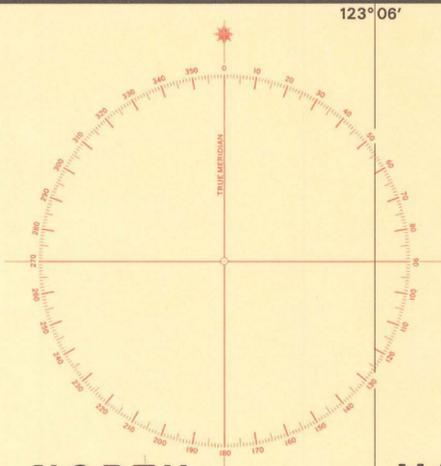
Direction variable usually less than 0.5 kns.

**ONE HOUR BEFORE
TURN TO EBB**

For time of turn see First Narrows, Pacific Coast Tide and Current Tables.
 Flood = + direction Ebb = - direction
 Natural Scale 1:20,922

USE CANADIAN CHARTS 3482, 3483 FOR NAVIGATION

	CURRENT VELOCITY OVER 2 KNOTS
	CURRENT VELOCITY 1 TO 2 KNOTS
	CURRENT VELOCITY 1/2 TO 1 KNOT
	CURRENT VELOCITY UNDER 1/2 KNOT
	TIDE RIPS



**ONE HOUR AFTER
 TURN TO EBB**

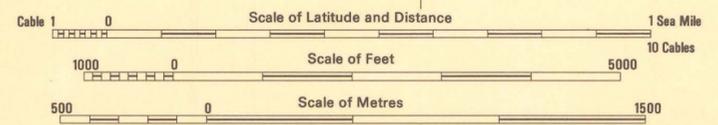
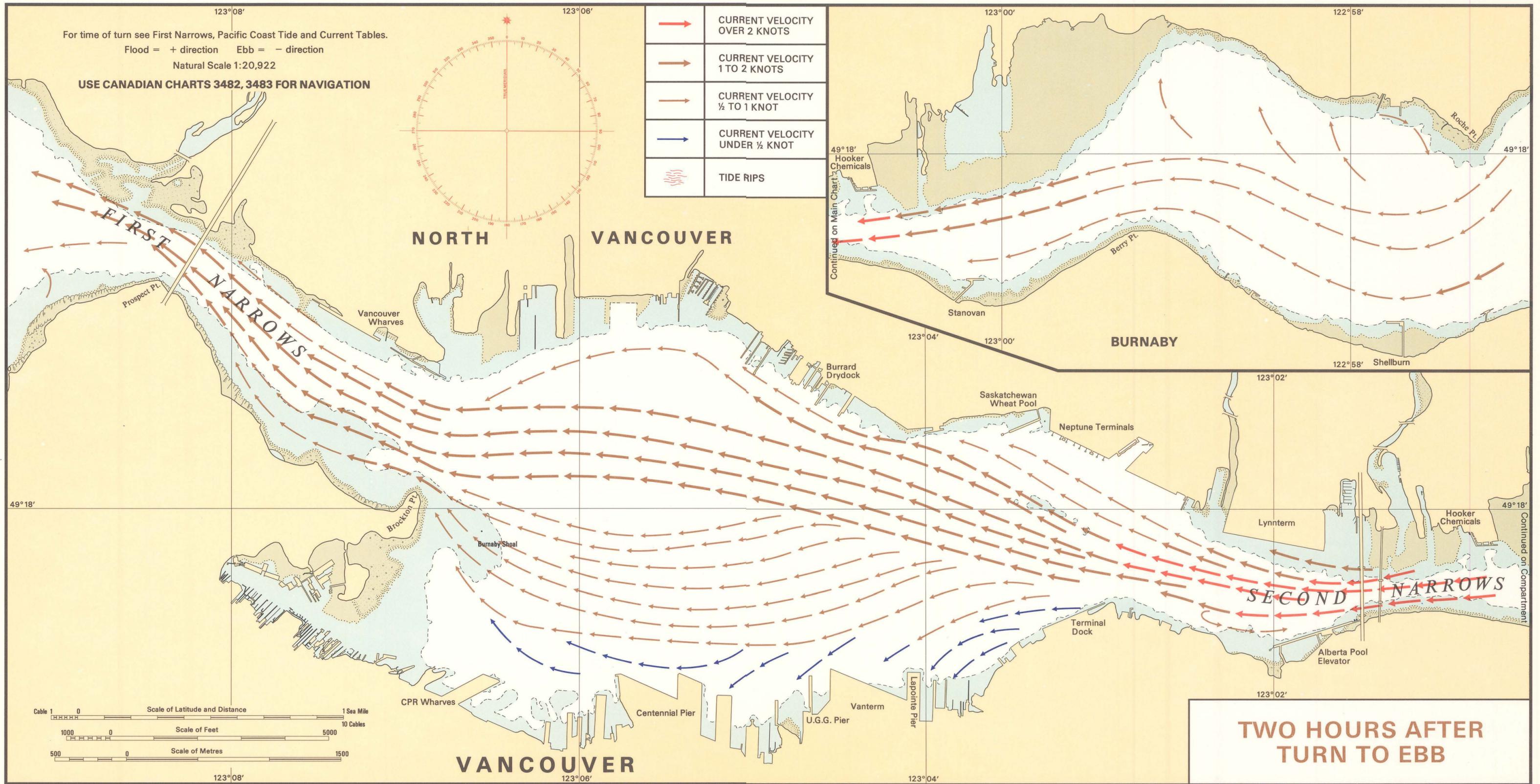
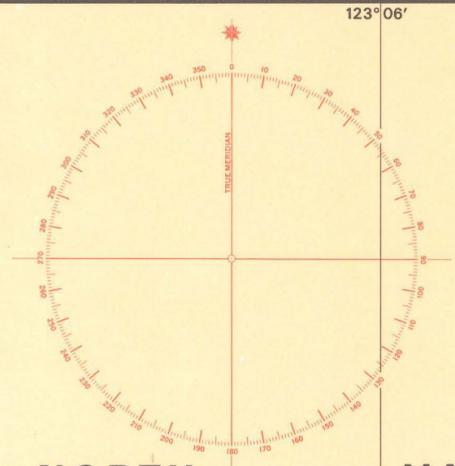
For time of turn see First Narrows, Pacific Coast Tide and Current Tables.

Flood = + direction Ebb = - direction

Natural Scale 1:20,922

USE CANADIAN CHARTS 3482, 3483 FOR NAVIGATION

	CURRENT VELOCITY OVER 2 KNOTS
	CURRENT VELOCITY 1 TO 2 KNOTS
	CURRENT VELOCITY 1/2 TO 1 KNOT
	CURRENT VELOCITY UNDER 1/2 KNOT
	TIDE RIPS



**TWO HOURS AFTER
TURN TO EBB**

For time of turn see First Narrows, Pacific Coast Tide and Current Tables.

Flood = + direction Ebb = - direction

Natural Scale 1:20,922

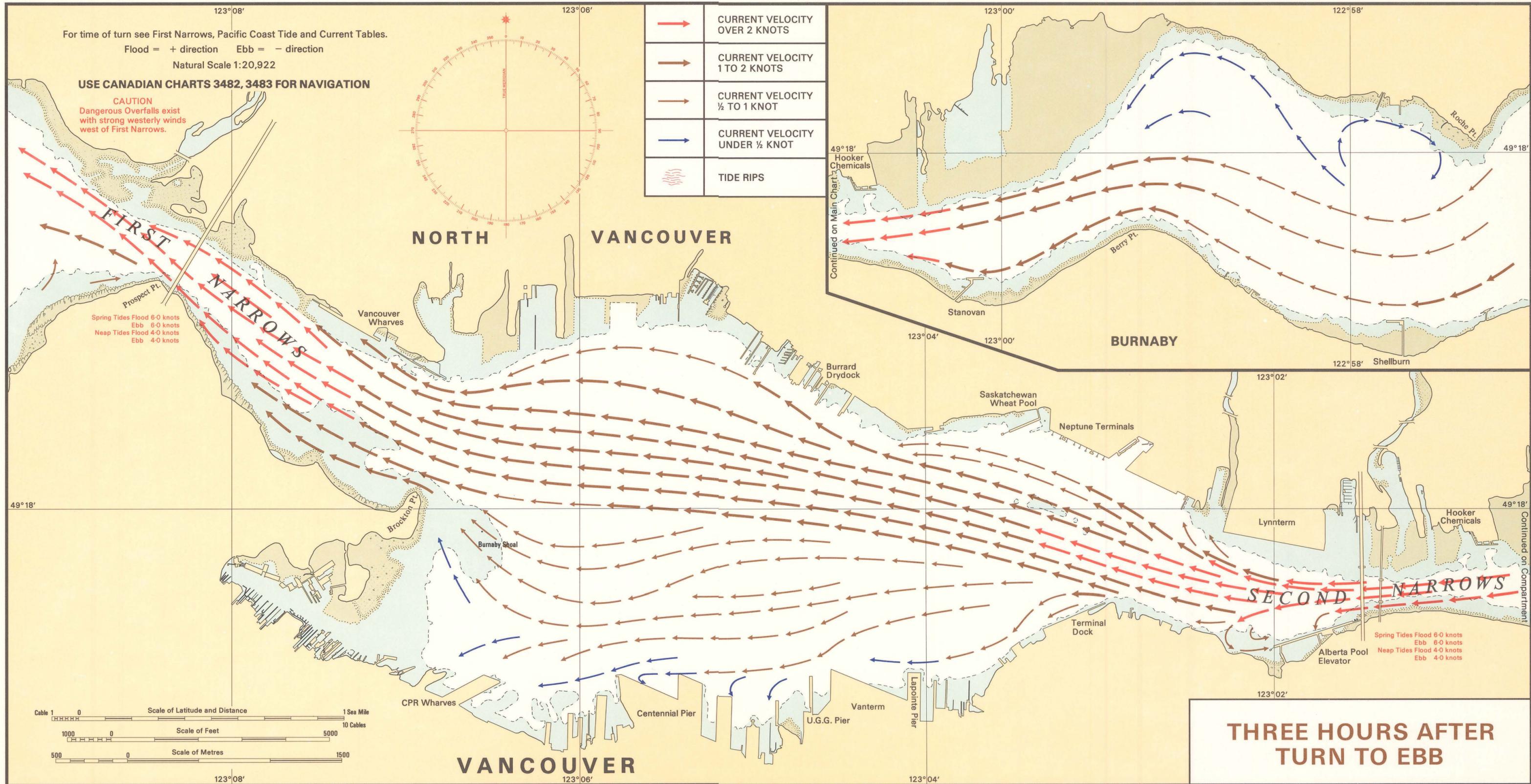
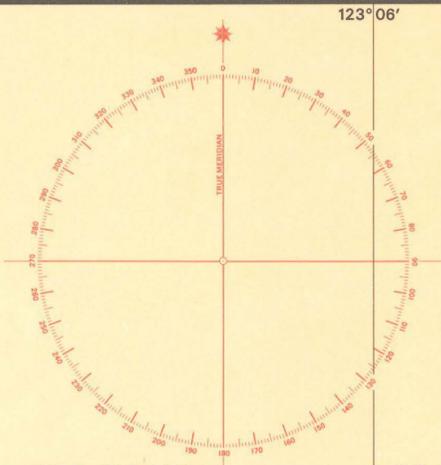
USE CANADIAN CHARTS 3482, 3483 FOR NAVIGATION

CAUTION
Dangerous Overfalls exist
with strong westerly winds
west of First Narrows.

Spring Tides Flood 6-0 knots
Ebb 6-0 knots
Neap Tides Flood 4-0 knots
Ebb 4-0 knots

Spring Tides Flood 6-0 knots
Ebb 6-0 knots
Neap Tides Flood 4-0 knots
Ebb 4-0 knots

	CURRENT VELOCITY OVER 2 KNOTS
	CURRENT VELOCITY 1 TO 2 KNOTS
	CURRENT VELOCITY 1/2 TO 1 KNOT
	CURRENT VELOCITY UNDER 1/2 KNOT
	TIDE RIPS



**THREE HOURS AFTER
TURN TO EBB**

For time of turn see First Narrows, Pacific Coast Tide and Current Tables.

Flood = + direction Ebb = - direction

Natural Scale 1:20,922

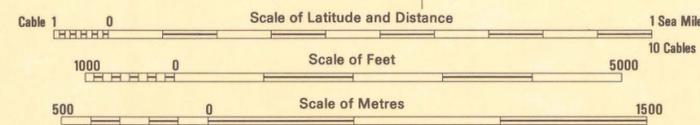
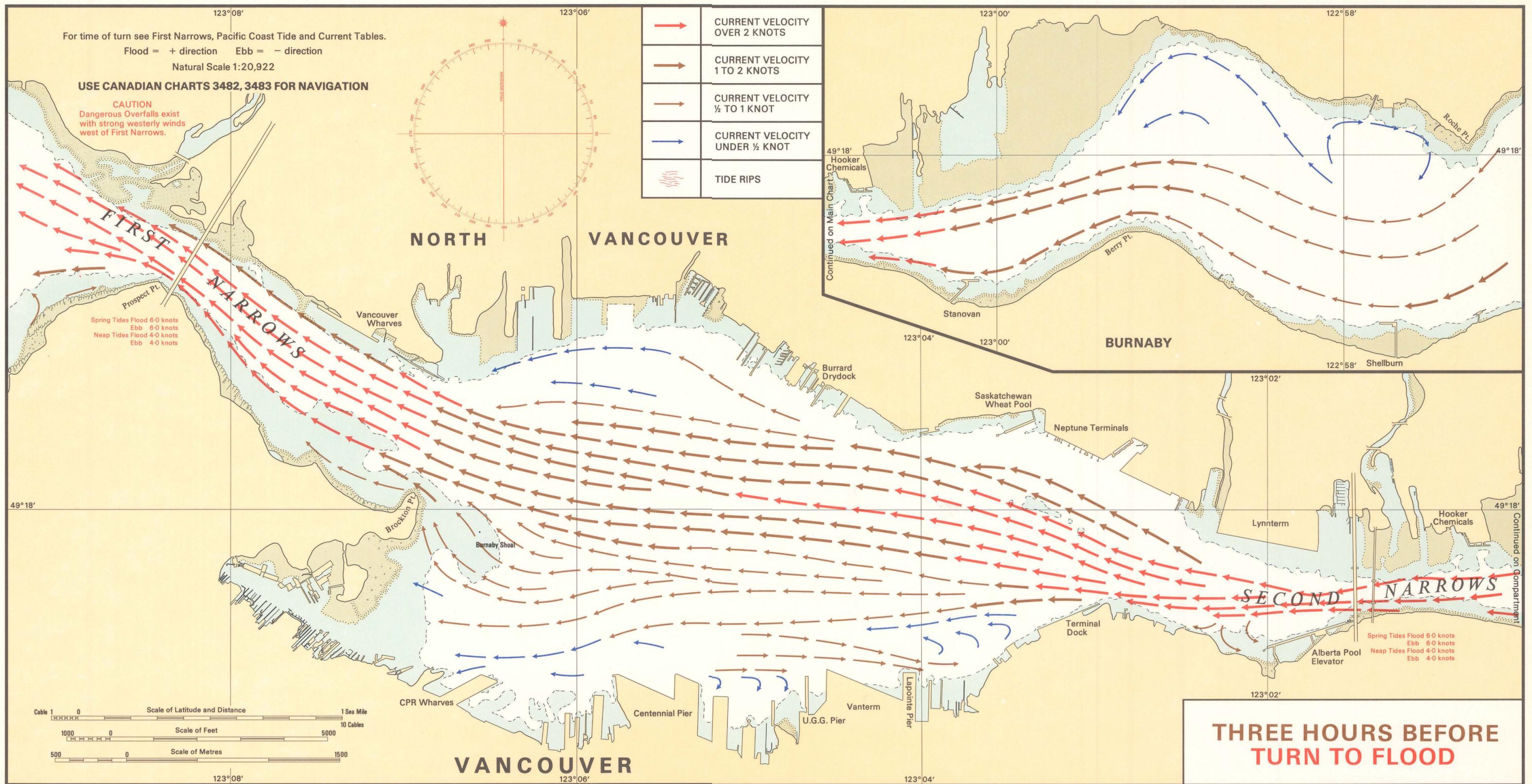
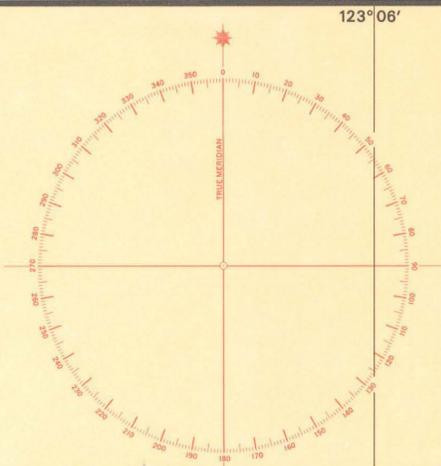
USE CANADIAN CHARTS 3482, 3483 FOR NAVIGATION

CAUTION
Dangerous Overfalls exist
with strong westerly winds
west of First Narrows.

Spring Tides Flood 6-0 knots
Ebb 6-0 knots
Neap Tides Flood 4-0 knots
Ebb 4-0 knots

Spring Tides Flood 6-0 knots
Ebb 6-0 knots
Neap Tides Flood 4-0 knots
Ebb 4-0 knots

	CURRENT VELOCITY OVER 2 KNOTS
	CURRENT VELOCITY 1 TO 2 KNOTS
	CURRENT VELOCITY 1/2 TO 1 KNOT
	CURRENT VELOCITY UNDER 1/2 KNOT
	TIDE RIPS

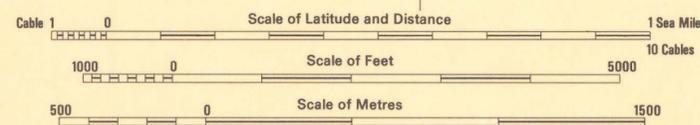
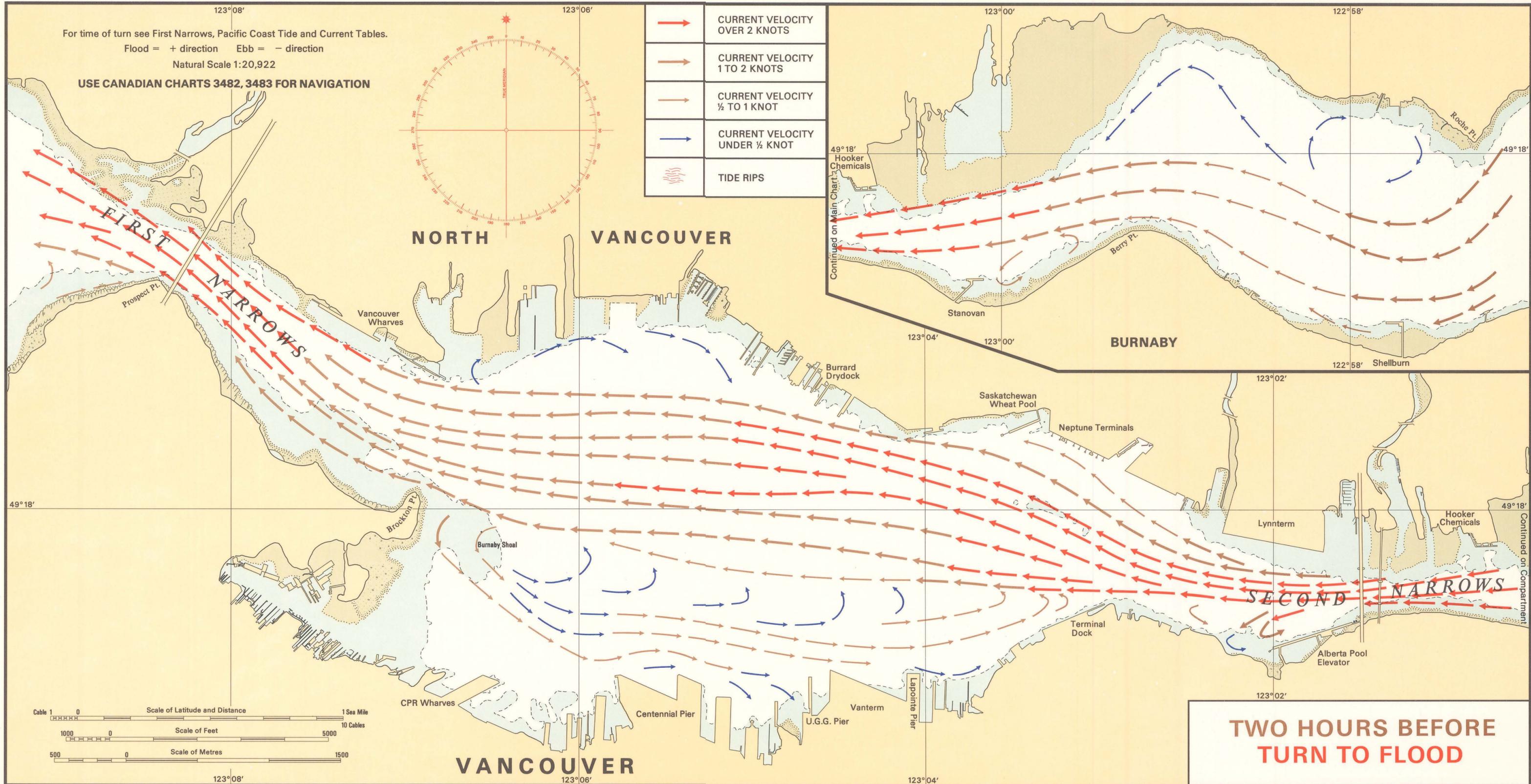
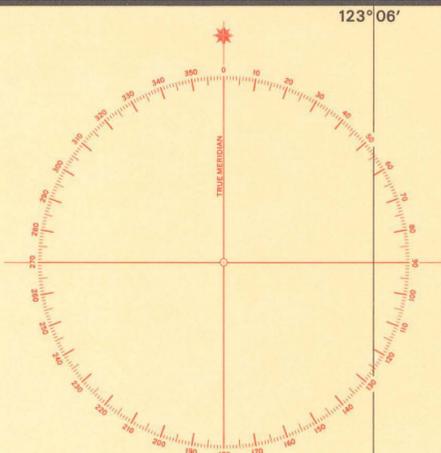


**THREE HOURS BEFORE
TURN TO FLOOD**

For time of turn see First Narrows, Pacific Coast Tide and Current Tables.
 Flood = + direction Ebb = - direction
 Natural Scale 1:20,922

USE CANADIAN CHARTS 3482, 3483 FOR NAVIGATION

	CURRENT VELOCITY OVER 2 KNOTS
	CURRENT VELOCITY 1 TO 2 KNOTS
	CURRENT VELOCITY 1/2 TO 1 KNOT
	CURRENT VELOCITY UNDER 1/2 KNOT
	TIDE RIPS



**TWO HOURS BEFORE
 TURN TO FLOOD**

For time of turn see First Narrows, Pacific Coast Tide and Current Tables.
 Flood = + direction Ebb = - direction
 Natural Scale 1:20,922

USE CANADIAN CHARTS 3482, 3483 FOR NAVIGATION

	CURRENT VELOCITY OVER 2 KNOTS
	CURRENT VELOCITY 1 TO 2 KNOTS
	CURRENT VELOCITY 1/2 TO 1 KNOT
	CURRENT VELOCITY UNDER 1/2 KNOT
	TIDE RIPS

