SECONDARY CURRENT CALCULATION (CANADA & US)

Reference Station: **Date:**

Secondary Station:

	Reference Station			Corrections			Secondary Station		
	Time of Turn	**Time of Max Speed**	**Max Speed**	**Time of Turn**	**Time of Max Speed**	**Speed Ratio ***	**Time of Turn**	**Time of Max Speed**	**Max Speed**
			(knots)	(hr min)	(hr min)		(hr min) +/- time correction	(hr min) +/- time correction	(knots) x speed ratio
TTF									
TTE									
TTF									
TTE									
TTF									
TTE									

* Canada only—"Speed Ratio" is given as "% Ref Rate". If "% Ref Rate" is not given in the tables, you must calculate it.

If the secondary is based on a reference tide station (such as Prince Rupert or Bella Bella) the best you can do is estimate the strength of the current based on the range of the tide at the reference station and the maximum current at the secondary.

If the secondary is based on a reference current station, use the formula below.

$$\% \text{ Ref Rate Flood (Ebb)} = \frac{\text{Max Rate (Flood or Ebb) at Secondary Station X 100}}{\text{Max Flood or Ebb at Reference Station (}\textit{from Table of Reference Stations}\text{)}}$$

SECONDARY TIDE CALCULATION (CANADA)

Reference Station: **Date:**

Secondary Station:

Range of Large Tide at reference station* (feet)**:** (from table of reference stations)

	Reference Station		Corrections			Secondary Station	
	Time	**Height**	**Time**	**Height** (feet)		**Time**	**Height**
		(feet)	(hr min)	**Mean Tide**	**Large Tide**	(hr min) +/- time correction	(feet) +/- height correction
LW							
HW							
LW							
HW							
LW							
HW							

* If the nearest high tide at the reference station is a large tide, then apply the correction for a large tide. Otherwise apply the correction for a mean tide.

SECONDARY TIDE CALCULATION (US)

Reference Station: **Date:**

Secondary Station:

If a height ratio* is supplied, instead of a height correction, you must multiply by the height ratio correction

Reference Station			Corrections		Secondary Station	
	Time	**Height** (feet)	**Time** (hr min)	***Height Ratio**	**Time** (hr min) +/- time correction	**Height** (feet) x height ratio correction
LW						
HW						
LW						
HW						
LW						
HW						

If a height correction** is supplied instead of a height ratio, you must add or subtract the height correction

Reference Station			Corrections		Secondary Station	
	Time	**Height** (feet)	**Time** (hr min)	****Height** (feet)	**Time** (hr min) +/- time correction	**Height** (feet) +/- height correction
LW						
HW						
LW						
HW						
LW						
HW						