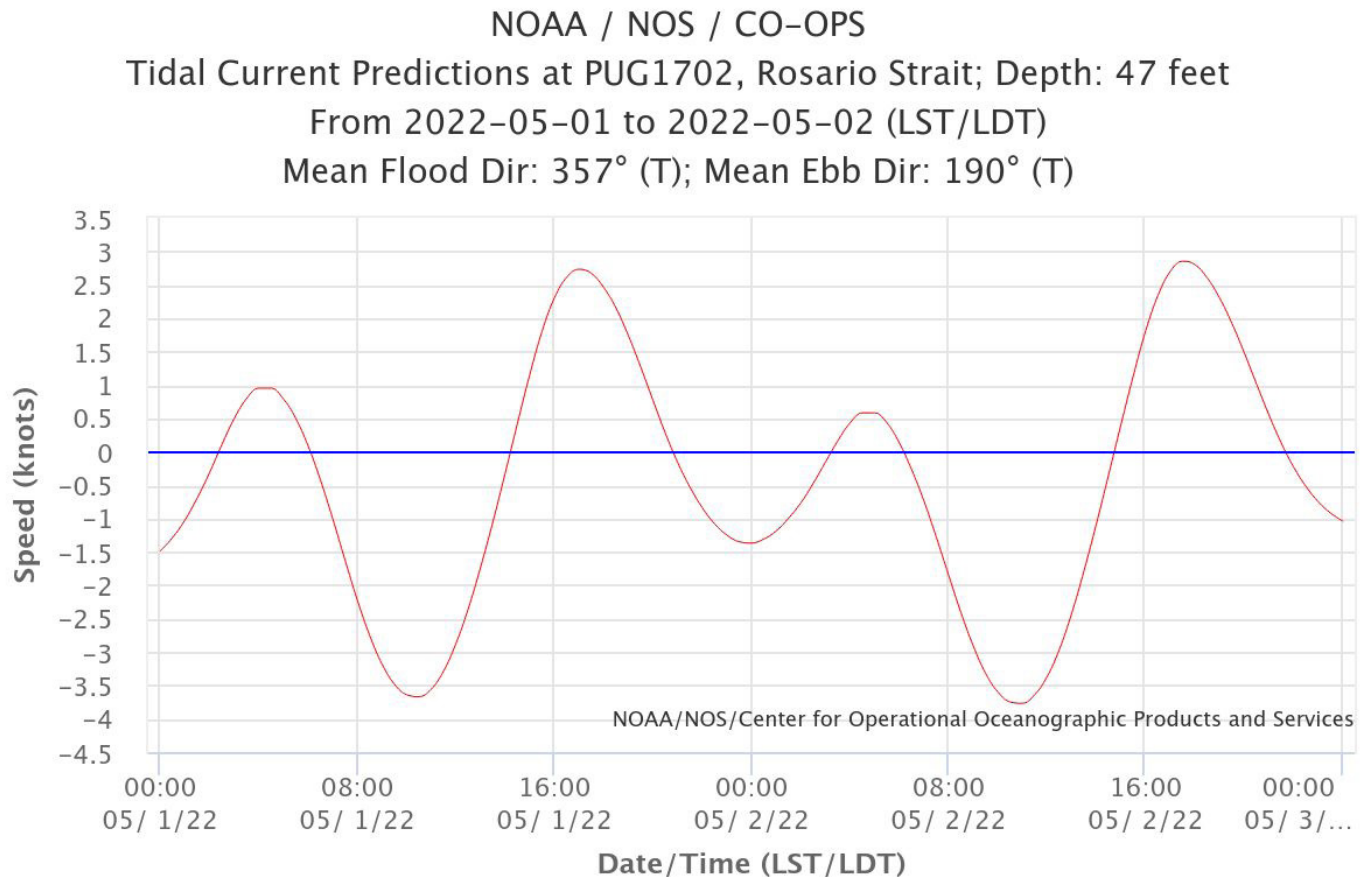


In Workbook 18465tr exercise 8-16 we need to estimate currents at various times. This is easily done with an app that has dependable harmonics such as qtVlm or OpenCPN, but without that we can get these graphs from NOAA. Follow our instructions then go to More data/current predictions, then set the date of interest.



# Source:	NOAA/NOS/CO-OPS	Date	Time (LST_LDT)	Speed (knots)
# Disclaimer:	These data are based upon the latest information	2022-05-01	00:00	-1.49
#	available as of the date of your request, and may	2022-05-01	02:30	0.10
#	differ from the published tidal current tables.	2022-05-01	05:00	0.79
# Product Type:	48 Hours Current Predictions	2022-05-01	07:30	-1.62
# Station ID:	PUG1702	2022-05-01	10:00	-3.64
# Depth:	47 feet	2022-05-01	12:30	-2.36
# Station Name:	Rosario Strait	2022-05-01	15:00	1.15
# Latitude:	48.4581	2022-05-01	17:30	2.67
# Longitude:	-122.7501	2022-05-01	20:00	0.77
# Station Type:	Harmonic	2022-05-01	22:30	-1.08
# Data Range:	48 Hours	2022-05-02	01:00	-1.19
# From:	2022-05-01 to 2022-05-02	2022-05-02	03:30	0.16
# Units:	knots	2022-05-02	06:00	0.13
# Time Zone:	LST_LDT	2022-05-02	08:30	-2.41
# Mean Flood Dir:	357° (T)	2022-05-02	11:00	-3.77
# Mean Ebb Dir:	190° (T)	2022-05-02	13:30	-1.78
		2022-05-02	16:00	1.81
		2022-05-02	18:30	2.60
		2022-05-02	21:00	0.55
		2022-05-02	23:30	-0.92

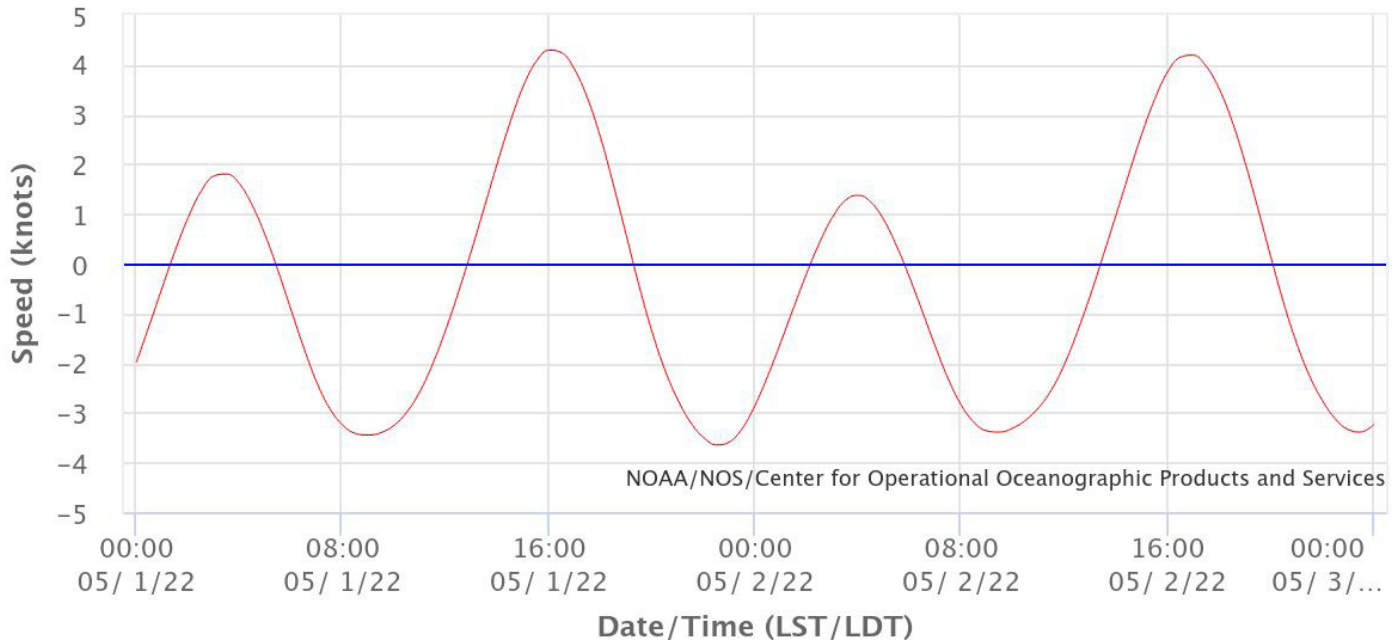
NOAA / NOS / CO-OPS

Tidal Current Predictions at PUG1703, San Juan Channel, south entrance;

Depth: 75 feet

From 2022-05-01 to 2022-05-02 (LST/LDT)

Mean Flood Dir: 347° (T); Mean Ebb Dir: 168° (T)



Source: NOAA/NOS/CO-OPS
 # Disclaimer: These data are based upon the latest information available as of the date of your request, and may differ from the published tidal current tables.
 # Product Type: 48 Hours Current Predictions
 # Station ID: PUG1703
 # Depth: 75 feet
 # Station Name: San Juan Channel, south entrance
 # Latitude: 48.4610
 # Longitude: -122.9520
 # Station Type: Harmonic
 # Data Range: 48 Hours
 # From: 2022-05-01 to 2022-05-02
 # Units: knots
 # Time Zone: LST_LDT
 # Mean Flood Dir: 347° (T)
 # Mean Ebb Dir: 168° (T)

Date	Time (LST_LDT)	Speed (knots)
2022-05-01	00:00	-1.98
2022-05-01	02:30	1.45
2022-05-01	05:00	0.56
2022-05-01	07:30	-2.92
2022-05-01	10:00	-3.25
2022-05-01	12:30	-0.56
2022-05-01	15:00	3.56
2022-05-01	17:30	3.32
2022-05-01	20:00	-1.37
2022-05-01	22:30	-3.65
2022-05-02	01:00	-1.58
2022-05-02	03:30	1.27
2022-05-02	06:00	-0.29
2022-05-02	08:30	-3.20
2022-05-02	11:00	-2.90
2022-05-02	13:30	0.15
2022-05-02	16:00	3.85
2022-05-02	18:30	2.87
2022-05-02	21:00	-1.59
2022-05-02	23:30	-3.39