



Patos Island, south of Toe Point, 2021

The NOAA Tidal Current Predictions application provides predictions in both graphical and tabular formats, with many user selectable options, for several thousand stations distributed by key geographical areas, including individual bays and estuaries in each state. The Annual Current Table format provides predicted timing of slack water and predicted timing and speed of maximum flood (positive) and maximum ebb (negative) current speed. A line of asterisks (***) at the end of a calendar day indicate extra currents are included at the end of this product. Additional information can be found in the help page.

Station Types: The NOAA Tidal Current Predictions application provides current predictions from two distinct categories of stations:

1. Harmonic - The predicted current speeds and directions for Harmonic stations are computed by combining the harmonic constituents into a single tide curve.
 2. Subordinate - The maximum speeds (flood and ebb) and slack current for Subordinate stations are computed by applying time differences and speed ratios to the times and speeds of a Reference station (a full Harmonic station).
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Disclaimer: The official Tidal Current Prediction Tables are published annually on October 1, for the following calendar year. Tidal current predictions generated prior to the publishing date of the official tables are subject to change. The predictions from the web-based NOAA Tidal Current Predictions are based upon the latest information available as of the date of the request; tidal current predictions generated from this application may differ from the official published predictions if information for the station requested has been updated since the publishing date of the official published tables.



Station ID: PUG1713 Depth: 14 feet
 Source: NOAA/NOS/CO-OPS
 Station Type: Harmonic
 Time Zone: LST/LDT

NOAA Tidal Current Predictions

Patos Island, south of Toe Point, 2021

Latitude: 48.7721° N Longitude: 122.9337° W
 Mean Flood Dir. 54° (T) Mean Ebb Dir. 188° (T)

Times and speeds of maximum and minimum current, in knots

January					February					March											
Slack	Maximum		Slack	Maximum		Slack	Maximum		Slack	Maximum		Slack	Maximum								
	h	m	knots		h	m	knots		h	m	knots		h	m	knots						
1 F	01:12AM	04:06AM	1.8F	16 Sa	01:54AM	05:12AM	1.6F	1 M	02:18AM	05:12AM	1.5F	16 M	01:12AM	03:54AM	1.5F						
	08:30AM	10:42AM	-1.2E		09:00AM	12:24PM	-1.6E		08:24AM	11:54AM	-2.0E		09:00AM	12:48PM	-1.9E	07:00PM	10:30AM	-2.1E			
	02:06PM	03:24PM	0.2F		05:18PM	-0.2E	03:48PM		05:36PM	0.5F	05:18PM		06:48PM	0.3F	02:12PM	04:18PM	0.8F				
	04:48PM	10:12PM	-2.4E		11:06PM	-1.6E	07:36PM		11:54PM	-1.7E	09:00PM				07:00PM	10:48PM	-1.8E				
2 Sa	01:54AM	04:54AM	1.7F	17 Su	02:42AM	06:00AM	1.5F	2 Tu	03:06AM	05:48AM	1.4F	17 W	03:42AM	12:24AM	-1.0E	2 Tu	02:00AM	04:36AM	1.3F		
	08:36AM	11:30AM	-1.3E		09:42AM	01:12PM	-1.6E		08:54AM	12:36PM	-2.3E		09:00AM	12:48PM	-1.9E		07:24AM	11:18AM	-2.4E		
	03:12PM	04:24PM	0.2F		06:18PM	-0.2E	04:36PM		06:36PM	0.7F	09:24PM				09:18AM		01:12PM	-2.1E			
	05:36PM	11:12PM	-2.2E		10:12AM	-1.7E	09:24PM				05:48PM		07:42PM	0.5F	03:00PM		05:24PM	1.1F			
3 Su	02:42AM	05:36AM	1.6F	18 M	03:30AM	12:00AM	-1.3E	3 W	03:54AM	12:54AM	-1.4E	18 Th	04:30AM	01:12AM	-0.8E	3 W	02:48AM	05:24AM	1.2F		
	09:12AM	12:18PM	-1.5E		10:12AM	06:36AM	1.3F		09:24AM	06:30AM	1.2F		09:36AM	07:00AM	0.8F		07:54AM	12:00PM	-2.7E		
	04:24PM	05:30PM	0.2F		07:30PM	-0.1E	05:30PM		07:54PM	0.9F	11:12PM				06:18PM		08:42PM	0.8F	03:54PM	06:24PM	1.3F
	06:48PM														11:42PM				09:54PM		

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Latitude: 48.7721° N Longitude: 122.9337° W
 Mean Flood Dir. 54° (T) Mean Ebb Dir. 188° (T)

Times and speeds of maximum and minimum current, in knots

April				May				June										
Slack	Maximum			Slack	Maximum			Slack	Maximum			Slack	Maximum					
h m	h m	knots		h m	h m	knots		h m	h m	knots		h m	h m	knots				
1 Th	03:42AM 05:54AM 08:00AM 04:12PM 07:00PM 10:54PM	12:42AM -1.5E 0.9F -2.9E 1.7F		16 F	04:06AM 07:48AM 12:30PM 04:24PM 10:48PM	12:42AM -1.1E 0.5F -2.4E 1.4F		1 Sa	05:00AM 07:42AM 12:48PM 04:30PM 11:30PM	01:24AM -1.5E 0.3F -2.5E 1.8F		16 Tu	12:06AM 03:36AM 08:24AM 02:18PM 09:12PM	-1.6E -0.2E -1.5E 1.3F		16 W	06:36AM 08:12AM 01:54PM 05:30PM 11:48PM	02:12AM -1.3E -1.8E 1.3F
2 F	04:48AM 08:36AM 05:00PM 11:54PM	01:36AM -1.4E 0.7F -2.8E 1.7F		17 Sa	04:54AM 08:12AM 01:12PM 05:06PM 11:36PM	01:18AM -1.0E 0.4F -2.4E 1.3F		2 Su	06:24AM 08:18AM 01:36PM 05:24PM 08:24PM	02:30AM -1.4E 0.1F -2.2E 1.6F		17 W	12:54AM 04:42AM 10:18AM 03:36PM 07:06PM 10:18PM	-1.7E -0.1E -1.2E 1.1F		17 Th	07:36AM 09:54AM 03:00PM 06:24PM 09:12PM	03:06AM -1.6E -1.4E 1.1F
3 Sa	06:00AM 09:12AM 06:00PM	02:36AM -1.3E 0.5F -2.6E 1.6F		18 Su	05:42AM 08:42AM 02:00PM 05:54PM 08:42PM	02:06AM -1.0E 0.3F -2.3E 1.2F		3 M	12:30AM 08:24AM 06:30PM	03:42AM -1.4E -1.8E 1.3F		18 Th	01:36AM 10:42AM 12:48PM 08:12PM 11:12PM	-1.8E -1.0E -1.0E 1.0F		18 F	12:18AM 08:24AM 12:24PM 07:18PM 10:06PM	04:00AM -1.9E -1.2E 1.0F
4 Su	12:54AM 07:24AM 09:54AM 07:00PM 10:06PM	03:54AM -1.2E 0.2F -2.3E 1.5F		19 M	12:24AM 06:42AM 09:18AM 06:48PM 09:48PM	03:00AM -0.9E 0.2F -2.1E 1.1F		4 Tu	01:24AM 10:00AM 07:36PM	04:54AM -1.5E 1.2F		19 F	02:12AM 10:42AM 02:54PM 09:18PM 11:54PM	-2.0E 0.4F -0.9E 0.9F		19 Sa	12:48AM 09:00AM 02:36PM 08:24PM 10:54PM	04:48AM -2.3E -1.1E 0.9F
5 M	02:00AM 09:06AM 10:42AM 08:06PM	05:06AM -1.3E -2.0E 1.4F		20 Tu	01:18AM 07:48AM 10:12AM 07:48PM 10:42PM	04:00AM -0.9E 0.1F -2.0E 1.1F		5 W	02:24AM 11:24AM 08:48PM	06:00AM -1.6E -1.4E 1.1F		20 Sa	02:42AM 11:00AM 04:12PM 07:18PM 10:12PM	-2.2E 0.7F -0.9E		20 Su	01:18AM 09:42AM 04:00PM 09:30PM 11:42PM	05:36AM -2.6E -1.1E 0.8F
6 Tu	03:00AM 10:30AM 11:48AM 09:18PM	06:18AM -1.4E -1.9E		21 W	02:12AM 09:06AM 11:30AM 08:54PM 11:36PM	05:00AM -1.0E 0.1F -1.9E 1.1F		6 Th	03:12AM 11:18AM 02:24PM 09:54PM	06:54AM -1.7E 0.2F -1.3E		21 Su	03:06AM 11:18AM 05:06PM 11:00PM	07:24AM -2.3E 1.1F -1.0E		21 M	01:54AM 10:18AM 05:00PM 10:36PM	06:24AM -3.0E -1.7E -1.2E
7 W	04:00AM 11:24AM 01:36PM 10:18PM	12:24AM -1.5E 0.1F -1.8E		22 Th	03:00AM 01:12PM 09:48PM	12:24AM -1.2E -1.9E		7 F	03:54AM 11:42AM 03:54PM 10:42PM	12:48AM -1.1F 0.5F -1.3E		22 M	03:24AM 11:42AM 05:54PM 11:42PM	01:48AM -2.5E 1.4F -1.0E		22 Tu	02:30AM 11:00AM 05:54PM 11:36PM	12:30AM -3.2E 0.21F -1.4E
8 Th	04:42AM 12:06PM 03:18PM 11:06PM	01:30AM -1.3E 0.3F -1.7E		23 F	03:36AM 10:36AM 03:00PM 10:36PM	12:24AM -1.1F 0.5F -1.8E		8 Sa	04:24AM 12:06PM 05:00PM 11:30PM	01:30AM -1.1F 0.8F -1.3E		23 Tu	03:42AM 12:06PM 06:36PM	01:48AM -2.7E -1.1E		23 W	03:12AM 11:36AM 06:48PM 09:24PM	01:24AM -3.3E 2.3F -1.5E
9 F	05:24AM 12:42PM 04:30PM 11:54PM	02:18AM 1.4F -1.9E -1.7E		24 Sa	04:06AM 11:12AM 04:24PM 11:18PM	01:12AM 1.2F -1.9E -1.8E		9 Su	04:42AM 12:30PM 05:54PM	02:06AM 1.0F -2.3E -1.3E		24 M	12:24AM 04:00AM 12:30PM 07:12PM 09:42PM	02:18AM 0.5F -2.8E 1.8F -1.1E		24 Th	12:36AM 03:48AM 12:24PM 07:36PM 10:12PM	02:12AM 0.6F -3.2E 2.4F -1.5E
10 Sa	05:54AM 01:12PM 05:30PM	02:48AM 1.3F -2.0E 0.6F -1.6E		25 Su	04:30AM 11:54AM 05:36PM	01:54AM 1.2F -2.4E 1.3F -1.8E		10 M	12:12AM 04:54AM 12:48PM 06:42PM	02:36AM 0.9F -2.4E 1.3F -1.2E		25 Tu	01:06AM 04:18AM 01:06PM 07:48PM	02:48AM 0.4F -2.9E 1.9F -1.1E		25 F	01:36AM 04:30AM 01:06PM 08:18PM	03:00AM 0.4F -3.0E 2.3F -1.5E
11 Su	12:36AM 06:18AM 01:42PM 06:30PM	03:18AM 1.2F -2.1E 0.8F -1.5E		26 M	12:06AM 04:54AM 12:36PM 06:42PM	02:30AM 1.2F -2.7E 1.6F -1.7E		11 Tu	12:54AM 05:06AM 01:18PM 07:24PM	03:00AM 0.8F -2.5E 1.5F -1.2E		26 W	12:42AM 04:30AM 12:48PM 07:48PM	02:36AM 0.8F -3.2E 2.3F -1.5E		26 Th	02:48AM 05:00AM 01:54PM 09:12PM	03:54AM 0.3F -2.7E 2.1F
12 M	01:18AM 06:30AM 02:06PM 07:24PM	03:42AM 1.1F -2.2E 0.9F -1.3E		27 Tu	12:54AM 05:24AM 01:18PM 07:48PM	03:06AM 1.1F -2.9E 1.9F -1.6E		12 W	01:30AM 05:24AM 01:42PM 08:06PM	03:24AM 0.6F -2.6E 1.6F -1.1E		27 Th	02:30AM 05:12AM 02:18PM 09:12PM	03:48AM 0.3F -2.7E 1.8F -1.1E		27 Su	04:18AM 05:24AM 02:48PM 10:00PM	12:18AM -1.6E -2.3E 1.9F
13 Tu	01:54AM 06:48AM 02:36PM 08:12PM	04:12AM 0.9F -2.3E 1.1F -1.2E		28 W	01:48AM 05:54AM 02:00PM 08:42PM	03:42AM 0.9F -3.0E 2.0F -1.5E		13 Th	02:12AM 05:42AM 02:18PM 08:48PM	03:54AM 0.5F -2.6E 1.7F -1.1E		28 F	03:18AM 05:48AM 03:00PM 09:54PM	04:30AM 0.2F -2.5E 1.7F		28 M	01:12AM 06:00AM 12:06PM 06:54PM 10:48PM	-1.6E -0.1E -1.9E 1.7F
14 W	02:36AM 07:00AM 03:06PM 09:06PM	04:42AM 0.7F -2.3E 1.3F		29 Th	02:42AM 06:30AM 02:42PM 09:42PM	04:30AM 0.7F -3.0E 2.1F		14 F	02:54AM 06:06AM 02:54PM 09:36PM	04:30AM 0.4F -2.6E 1.7F		29 Sa	04:00AM 06:18AM 03:06PM 10:18PM	12:24AM -1.5E -2.6E 2.0F		29 M	02:12AM 05:30AM 01:00PM 04:36PM 11:30PM	-1.6E -0.2E -1.6E 1.4F
15 Th	03:18AM 07:24AM 03:42PM 09:54PM	12:00AM -1.1E 0.6F -2.6E 1.4F		30 F	03:48AM 07:06AM 03:36PM 10:36PM	12:30AM -1.5E 0.5F -2.8E 2.0F		15 Sa	03:42AM 06:36AM 03:36PM 10:18PM	12:12AM -1.1E 0.3F -2.5E 1.6F		30 Tu	05:30AM 06:42AM 04:00PM 11:12PM	01:18AM -1.5E -2.2E 1.8F		30 W	03:12AM 08:30AM 01:54PM 05:30PM 08:36PM	-1.7E -0.2E -1.2E 1.2F
								31 M	05:36AM 06:42AM 04:00PM 11:12PM	01:18AM -1.5E -2.2E 1.8F								
									07:12AM 05:00PM	01:18PM 08:06PM								

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 Source: NOAA/NOS/CO-OPS
 Station Type: Harmonic
 Time Zone: LST/LDT

NOAA Tidal Current Predictions

Patos Island, south of Toe Point, 2021

Latitude: 48.7721° N Longitude: 122.9337° W
 Mean Flood Dir. 54° (T) Mean Ebb Dir. 188° (T)

Times and speeds of maximum and minimum current, in knots

July					August					September															
Slack		Maximum		knots	Slack		Maximum		knots	Slack		Maximum		knots	Slack		Maximum		knots						
h	m	h	m		h	m	h	m		h	m	h	m		h	m	h	m		h	m				
1 Th	12:12AM	04:12AM			16 F	06:42AM	02:30AM			1 Su	08:42AM	04:18AM			16 M	07:30AM	03:36AM			1 W	09:00AM	04:42AM			
	10:24AM	03:06PM	-1.9E	11:00AM		02:42PM	-1.2E	02:30PM	04:54PM		-0.5E	02:18PM	04:48PM	-1.0E		03:36PM	05:48PM	-0.6E	03:54PM		06:54PM	-1.3E	09:00AM	05:06AM	-2.4E
	06:24PM	09:30PM	1.0F	11:18PM		08:24PM	1.1F	10:06PM	05:54PM		0.5F	11:36PM	09:42PM	0.6F		10:48PM	10:48PM	0.2F	10:30PM		11:42PM	0.2F	10:30PM	11:42PM	0.2F

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