

Table 2. Maximum STX concentrations, microalgal sources, and global PSP reports in gastropods.

Gastropod species and presumptive microalgal source	Common name	Maximum STX(s) concentration	Incident	Location	Reference
<i>Alexandrium acatenella</i>					
<i>Polinices lewisii</i>	Lewis moon snail	176-600 µg STX eq./100g tissue		British Columbia, Canada	129
<i>Alexandrium catenella</i>					
<i>Adelomelon ancilla</i>	Volute	toxic		Chile	85
<i>Argobuccinum</i> sp.	Whelk	Stomach 5629 µg STX eq./100g tissue; Muscle 92 µg STX eq./100g tissue			
<i>Concholepas concholepas</i>	Barnacle rock shell	toxic			
<i>Trophon</i> sp.	Trophon	toxic			
<i>Nassarius</i> sp.	Nassa mud snail (dog whelk)	9 µg STX eq./100g tissue		Washington, USA	85
<i>Neptunea</i> spp.		200-250 MU* 100 g ⁻¹ whole individuals		Alaska, USA	85
<i>Thais</i> sp.	Oyster drill	23 µg STX eq./100g tissue (GTX 2 and GTX 3 only)		Washington, USA	85
<i>Thais lamellosa</i>	Oyster drill	Whole animal positive			
<i>Thais lima</i>	Oyster drill	Whole animal 180 µg STX eq./100g tissue			
<i>Alexandrium tamarense</i>					
<i>Littorina sitkana</i>	Sitka periwinkle	Trace whole animal		Washington, USA	85
<i>Lunatia heros</i> (as <i>Polinices heros</i>)	Northern moon snail	1450 µg STX eq./100g tissue	2 cases PSP	Massachusetts, USA	130
<i>Buccinum undatum</i>	Waved whelk	whole body 608 µg STX eq./100g	12 cases PSP, 4	Quebec, Canada	85, 131

		tissue; digestive gland 1600 µg STX eq./100g tissue	fatalities		
		3337 µg STX eq./100g tissue	Illnesses and deaths	Gulf of Maine, USA	85, 132
<i>Crepidula fornicata</i>	Slipper limpet	46-58 µg STX eq./100g tissue			
<i>Colus stimpsoni</i>	Stimpson's colus	toxic			
<i>Lunatia heros</i> (= <i>Euspira heros</i> , <i>Polinices heros</i>)	Northern moon snail	2922 µg STX eq./100g tissue			
<i>Neptunea decemcostata</i>	Ten-ridged whelk	Raw~3000-4000, steamed 1060 µg STX eq./100g tissue			
<i>Thais lapillus</i>	Purpura	34 µg STX eq./100g tissue			
<i>Lunatia heros</i> (= <i>Euspira heros</i> , <i>Polinices heros</i>)	Northern moon snail	247 µg STX eq./100g tissue		Gulf of St. Lawrence, Canada	133
<i>Adelomedon brasiliana</i>	Volute	28 MU g ⁻¹ whole		Argentina	134
<i>Zidona angulata</i> *	Volute	210 MU g ⁻¹ viscera; 25 MU g ⁻¹ foot; 17 MU g ⁻¹ mucus	Mild case of PSP		
<i>Busycon</i> spp.	Whelk	50-500 MU 100 g ⁻¹		Quebec, Canada	85
<i>Rapana venosa</i>	Veined rapa whelk	11.4 MU g ⁻¹ viscera		Hiroshima Bay, Japan	135
<i>Gymnodinium catenatum</i>					
<i>Haliotis tuberculata</i>	Abalone	467 µg STX eq./100g muscle		Spain	83
<i>Pyrodinium bahamense</i>					
<i>Lambis lambis</i>	Spider conch	ND – 175 MU 100 g ⁻¹ whole	Several PSP cases	Sabah, Malaysia	136-137
<i>Oliva vidua fulminans</i>	Olive	2525 MU 100 g ⁻¹ whole	5 human fatalities; 8 cases of PSP	Malaysia	136-138
<i>Natica</i> sp.**	“Tekuyong”	71-876 MU 100 g ⁻¹		Borneo	139-140

Unknown origin

<i>Nassarius siguijorensis</i>	Nassa	370 MU 100 g ⁻¹	Daya Bay, Guangdong Province	141
<i>Nassarius succinctus</i>	Nassa	68 cases of PSP, March-Aug 1979; 1 fatality and 7 hospitalized	Zhejiang Povince, China	128, 142
<i>Nassarius</i> spp.	Nassa	50 PSP cases, 3 fatalities, April-May 2002	Fujian Province, China	128
		55 PSP cases, 1 fatality; summer 2004	Yin Chuan city, China	128
<i>Nassarius</i> spp.	Nassa	107,413 MU 100 g ⁻¹	Zhoushan Islands, China	128
<i>Charonia lampas</i>	Trumpet shell	17.5 MU g ⁻¹ digestive gland	Galicia, Spain	143
<i>Natica lineata</i>	Lined moon shell	PSP toxins	Taiwan	144
<i>Natica vitellus</i>	Calf moon shell			
<i>Niotha clathrata</i>	Basket shell	PSP, GTX-3		144-145
<i>Neptunea arthritica</i>	Arthritic neptune	GTX 1-4, neoSTX, STX	Sanriku coast, Japan	146
<i>Tectus fenestratus</i>	Fenestrate top shell	18.7 µg STX eq./100g tissue	Northwest Australia	147
<i>Tectus nilotica maxima</i>	Top shell	5.0 MU g ⁻¹ whole	Ishigaki Island, Japan	52
<i>Tectus pyramis</i>	Top shell	19 MU g ⁻¹ whole	Ishigaki Island, Japan	52
<i>Turbo argyrostoma</i>	Turban shell	20 MU g ⁻¹ whole	Ishigaki Island, Japan	52
<i>Turbo marmorata</i>	Turban shell	4.2 MU g ⁻¹ whole	Ishigaki Island, Japan	52

* MU = mouse units (1MU = 0.18 µgSTX)

** Presumed, genus and species name not given by author.