



Warm ocean currents from the south cause an increase in *Pseudo-nitzschia*, which creates a **harmful algal bloom** (HAB) off the Oregon Coast.

Two of your “**producer**” level 1 cards have been contaminated!



A bed of Pacific geoduck clams feed on ***Pseudo-nitzschia*** and an unsuspecting family of tourists does not check contamination levels before harvesting.

All family members become ill.



A colony of **invasive green crab** comes in with a warm current and outcompetes a native crab species.

Remove one “**carnivorous consumer**” level 1 card and replace with two “**invasive species**” cards.



Unusually warm currents have caused **salmon**, a favorite food of sea lions, to die. As a result, several young sea lions are found dead.

Remove one “**carnivorous consumer**” level 3 card.



A **HAB** occurs off the coast of Newport, Oregon and a commercial oyster bed is tainted. The oyster farm must shut down and the contaminated oysters are destroyed.

Remove one “**carnivorous consumer**” card, level 3.



Unusually warm currents prevent returning salmon from identifying the stream to return them to their spawning grounds.

Remove one “**carnivorous consumer**” card, level 2.