

Tales from the Tidepools

July 2, 2023 (-1.2' at 5:06am)

A. Durica

Marshall Gulch

1. BEAUTIFUL morning 10/10. I arrived to intertidal ~5:40am, so wasn't there for low.
 1. Lots of sand on the beach/high tide zone.

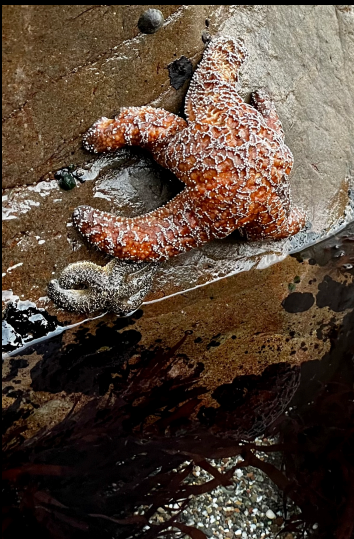


2. Algae

1. Tons of marine algae - no bare rocks & challenging to see critters (and overall get around but I did get out to give Arched Rock a big hug).
2. Sea Sacs, *halosaccion glandiforme*



3. Young ochre stars: <1 year (I recently asked MARINE how their juvenile classifications vs. size, and they said 1" sea stars are a few month old vs 3" are ~1 year old)



4. Anenomes



1. Several (~50%) with their stomachs out

Salmon Creek to Miwok

1. BEAUTIFUL



2. Worm - from my field guide I'd guess Shimmy Worm *Nephtys* sp



3. Holdfast as a home to Vosnesensky's isopod and a mini chiton



4. Lots of small gooseneck barnacles
5. No nudibranchs seen today in the spot where I found them in April/May. Most stars were on far rocks where waves breaking - could see healthy population from distance.

Doran Boat Launch









6. Floating headless CA sea lion (based on what is left of the foreflipper):

https://www.calacademy.org/sites/default/files/assets/docs/ibss_mmsn-id_cas_gfa-guide-to-pinnipeds_02112021.pdf



Guide to Identification of Dead Pinnipeds of Greater Farallones National Marine Sanctuary



California Sea Lion (CSLI)		Harbor Seal (HASE)	Northern Elephant Seal (NESE)	
 <p>Immature</p>	 <p>Adult male</p>	 <p>Adult</p>	 <p>Immature</p>	 <p>Adult male</p>
<p>General Description: body form slender with long neck; ear pinna present; fur coarse and stiff with growth towards tail; color varies from honey to dark brown (based on age, sex, molt, and individual variation); vibrissae smooth and white (adult) or black (juvenile); yearling to adult common year-round.</p>		<p>General Description: body rotund; short thick neck; pinna absent; snout blunt: color variable (white, silver or black with contrasting spots); fur coarse and stiff with growth towards the tail; vibrissae white and beaded; pups (Feb – April) and all age classes occur year-round in and around rookeries.</p>	<p>General Description: body large and rotund; short thick neck; pinna absent; color gray to brown (black in pups) with no markings; fur coarse and stiff with growth towards the tail; vibrissae black and beaded. Adult males possess prominent proboscis and cracked, scarred chest. Common in or near rookeries from December - March. Molting season late Spring – Fall.</p>	
 <p>Foreflipper: long, extending to the end of the ribcage; fur on top surface of flipper; no nails; bottom surface bare.</p>		 <p>Foreflipper: short and paddle-like, extending a few ribs past pit, back and front surfaces fully furred; nails present; digits similar in length.</p>	 <p>Foreflipper: both sides of flipper fully furred, extending only a few ribs past pit; nails present; digit 1 is longer than others.</p>	

7. Nudibranch: **egg ribbons, but less than prior weeks. And then what I've decided are the babies of the barnacle-eating dorids *onchidoris bilamellata* from two weeks back. Still growing their projections and lil gills.... A few of them need to get off the dock and back onto the barnacles!**



8. Nudibranch: I'm thinking it was *Hermisenda crassicornis*. Although I did not see lines on the cerata - was too tiny.



9. At high tide: lace-beauty of kelp-encrusting bryozoan all over the seaweed & seagrass washed up on Doran beach. Top one was on beach // bottom had been floating in the waves.

