

HORSESHOE POND



ESTUARY FACT SHEET

Location: 38.031614, -122.947957

Estuary size: 14.5 ha

Watershed area: 2.75 sq. km

Summary: The site's CRAM Index score (75) fell into the *good* condition category. The red-legged frog is the only special status species of concern known to be present within the estuary. Land cover within the watershed is dominated by shrub/grassland. A restoration project in the early 2000's returned previously altered areas of the estuary to its pre-colonization condition.



CRAM Attribute and Index Scores

ATTRIBUTE	SITE SCORE	AVERAGE COUNTY SCORE
Buffer and Landscape	88	84
Hydrology	100	87
Physical Structure	44	52
Biotic Structure	67	78
Index Score	75	75

● Poor: 25-49 ● Fair: 50-74 ● Good: 75-100

CRAM index scores for the estuary compared to the Marin County average.

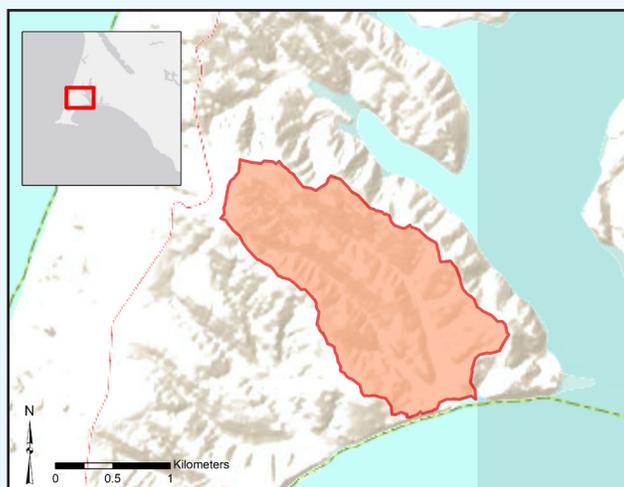
Special Status Species

Coho salmon	●
Red-legged frog	●
Saltmarsh common yellowthroat	●
Steelhead	●
Tidewater goby	●
Western pond turtle	●
Western snowy plover	●

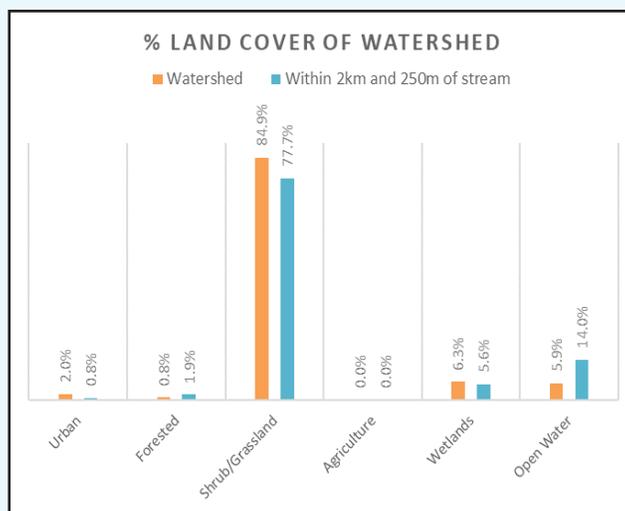
● Present in estuary ● Present in watershed
 ● Potential for habitat ● No known presence

Known presence of select special status species at site (CNDDDB 2017).

Watershed Information

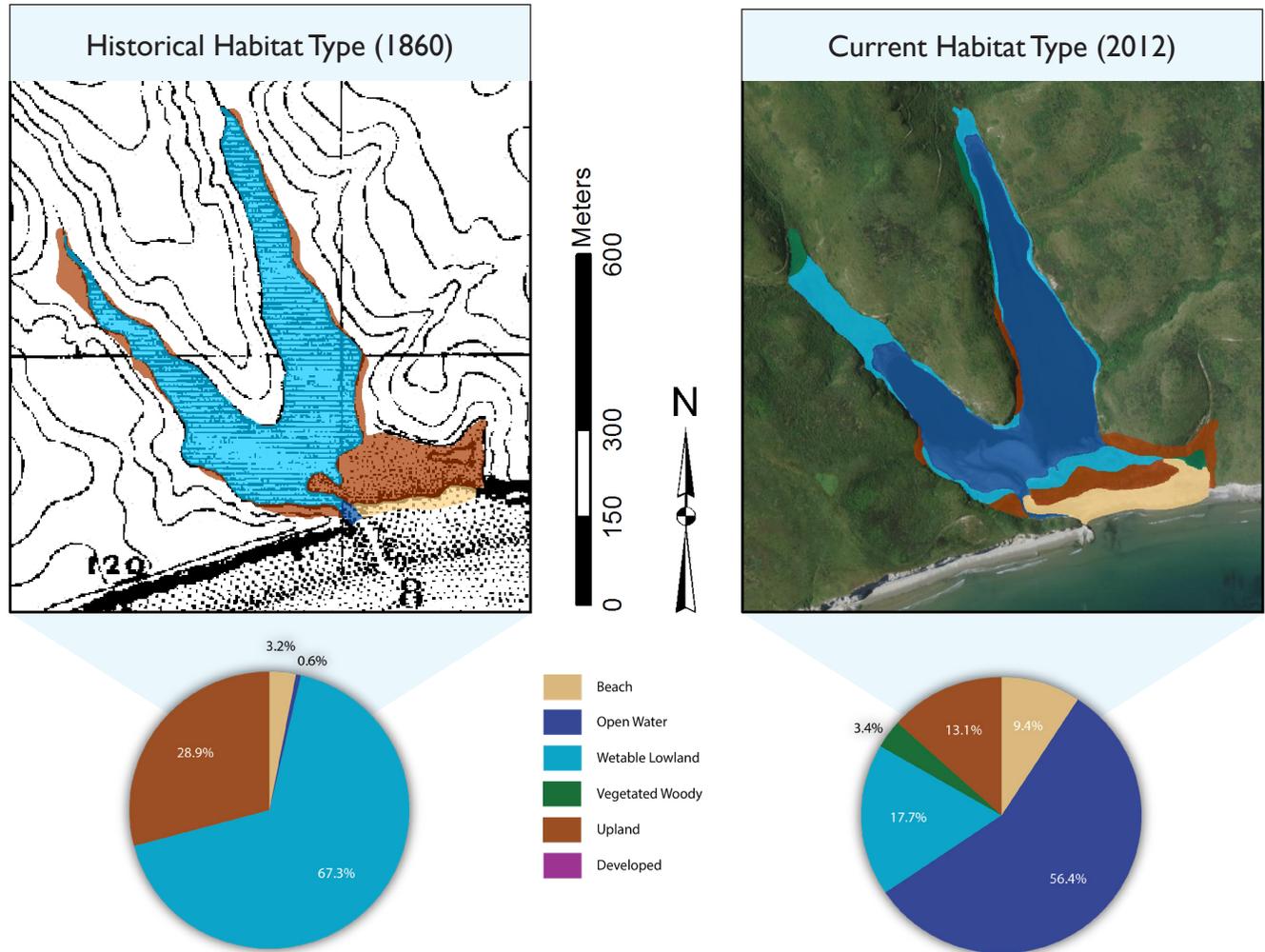


Watershed boundary and location map.



Percent land cover within entire watershed compared to within a buffer of 2km upstream of outlet and 250 meters from stream.

Habitat Change Analysis



Habitat type maps and charts for 1860 and 2012. Habitat maps uses a NOAA nautical chart (1860) for the historical map and National Agriculture Imagery Program (NAIP) imagery (2012) for the current map.

Management Recommendations



Wettable lowland habitat at Horseshoe Pond Lagoon

- Continued monitoring to assess evolution of restored habitats.
- Conduct periodic surveys for special-status species.
- Ensure cows do not have access to the wettable lowland which impacts physical and biotic structure.