

TERRITORIAL SEA PLAN

ROCKY SHORES MANAGEMENT STRATEGY

2018 September OPAC Meeting



QUICK REMINDER - What is the TSP?

Adopted in 1994, amended in 2001 (Cape Arago)

- ❖ Provides a Coordinated vision for Oregon's ocean resources
- ❖ Founded upon Statewide Land Use Planning Goal 19 - *"To conserve marine resources and ecological functions for the purpose of providing long-term ecological, economic, and social value and benefits to future generations."*
- ❖ Guides actions of state agencies and programs responsible for managing resources in the public trust

The Plan Contains

- Recommendations
- Enforceable Policies

The TSP relies on a network of state authorities & programs to implement TSP policies and recommendations.



WHY UPDATE THE TSP?

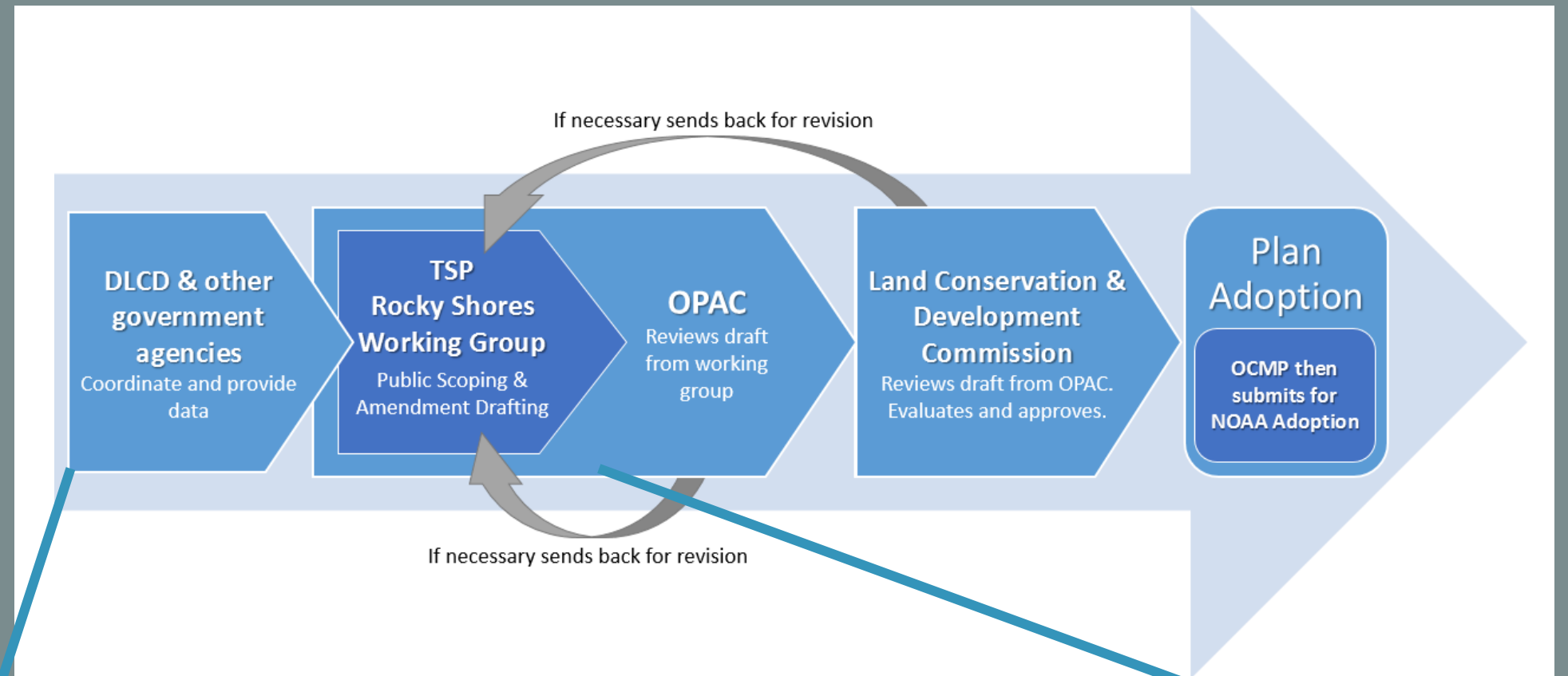
Originally adopted in 1994

- Small Amendment to Cape Arago in 2001

TSP Amendment Criteria

- In response to an issues survey
- Upon written request
- Additional considerations
 - Change in circumstances affecting management
 - When sites are proposed for designation





Public Scoping period is winding down

Data Call has been issued, data is being organized

Working Group is drafting the scope of the amendment

TRIBAL COMMUNICATIONS



- Oregon and Northern California tribes were contacted
 - California tribes were invited to participate, but legally are not allowed the same consultations as Oregon Tribal Governments.
- The Oregon Coastal Management Program (a NOAA program within the Dept. of Land Conservation and Development) received go-ahead from the Governor's office to lead any tribal consultations.

THE ROCKY SHORE ROAD SHOW

- Completed
 - 3 Valley Communities
 - 5 Coastal Communities
- Upcoming
 - April 14 – Cape Perpetua



TSP WEBSITE RESOURCES

Available at www.OregonOcean.Info/Rockyshores

Exploring the Rocky Shores of Oregon

Territorial Sea Plan:
Rocky Shores Management Strategy

Coastal Navigation

Explore the Oregon Coast from north to south by scrolling down the page, or choose a TSP designation location to jump to!

1. Tillamook Head, Ecola Point, & Sea Lion Rock
2. Haystack Rock
3. Cape Falcon
4. Three Arch Rocks
5. Cape Lookout
6. Cascade Head
7. Boiler Bay & Pirate Cove
8. Whale Cove, Otter Crest, & Gull Rock
9. Yaquina Head
10. Seal Rock
11. Yachats State Park & Cape Perpetua
12. Neptune State Park & Strawberry Hill
13. Heceta Head
14. Gregory Point & Sunset Bay & Parts of Cape Arago
15. Simpson Reef & Parts of Cape Arago
16. Rocks off of Coquille Point
17. Blacklock Point, Cape Blanco, & Orford Reef
18. Redfish Rocks & Island Rock, Humbug Mountain & Lookout Rock
19. Sisters Rock & Devils Backbone
20. Nesika Head to Otter Point, & Rogue Reef
21. Crook Point, Mack Reef, & Hooskanadan Creek
22. Cape Ferrello, South Sam Boardman State Park, Twin Rocks, Goat Island, & Harris Beach

Tillamook Head & Ecola Point/Sea Lion Rock

Tillamook Head Designation: Habitat Refuge

LEGEND

- CoastalMarine_DLCD_Territor
- CoastalMarine_TSP_Part3_Ca
- Marine Shores
- Habitat Refuge
- Not Yet Designated
- Marine Garden
- Research Reserve
- Priority Rock/Reef

OVERVIEW MAP

Earthstar Geographics | Oregon Coastal Management Program, Department of La. esri

Territorial Sea Plan Story Map

- Learn about the TSPRSMS
- Explore the original TSP Rocky Shore Sites
- View
 - Designations
 - Descriptions

OUTREACH MATERIALS

Available at www.OregonOcean.Info/Rockyshores

- Post Cards
- Social Media Posts
- Needs Questionnaire
- Issues Questionnaire – Report a concern
- Submit a comment to TSPComments@state.or.us
- Data Call



1. How much would you say you know about

	Agree that	Agreeable amount	A little	Nothing
Rocky shoreline habitat (e.g., tide pools)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rocky shoreline plants and animals	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Human impacts to rocky shore habitat	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Political effects of changing coastal resources including coastal management and sea level rise on rocky shores	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
What activities are allowed under rocky shore areas?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
How often rocky shore areas are monitored?	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
What is a Rocky Shoreline? (e.g., tide pools, rocky shore areas, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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What is a Rocky Shoreline? (e.g., tide pools, rocky shore areas, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

2. In the past 12 months how often do you visit rocky shores in Oregon? (rocky shores include tide pools, headlands, rocky beaches and cliffs, and rocks)

☐ Daily
☐ Weekly
☐ Monthly
☐ Every few months
☐ About once per year
☐ Less than once per year
☐ Never
☐ Never

3. For approximately how many years have you been visiting Oregon's rocky shores?

☐ Less than 5 years
☐ 5-10 years
☐ 10-15 years
☐ 15-20 years
☐ More than 20 years
☐ Never

OREGON ROCKY SHORES ISSUES SURVEY

As part of the Territorial Sea Update to the Rocky Shores Management Strategy (Part 3), the Department of Land Conservation and Development (DLCD) is soliciting information about public concerns regarding rocky shores. This is an important part of the amendment process due to the many benefits Oregonians gain from rocky shores (economic, recreational, aesthetic, cultural, scientific, and spiritual), and aligns with [Statewide Planning Goal 1: Citizen Involvement](#).

We ask anyone with any concern over the management, use, or future of Oregon's rocky shore to please fill out this short survey, and select the location of concern along the coast. The survey responses the Department of Land Conservation and Development (DLCD) receives will help us consider a range of public values and concerns regarding the management of different rocky shore sites along the coast.

Please fill 1 individual survey for each concern.
All responses are voluntary, confidential and anonymous.

Please locate the location on the Oregon Coast where the issue is centered?

- You can use GPS coordinates or common names (ex. Newport, OR; South Beach State Park) to help locate the area.
- Please note that the rocky shore designation applies to tide pools, headlands, rocky beaches and cliffs, and offshore rocks, and EXCLUDES jetties and other rocky man-made features.

A map of the Oregon coast with a location pin placed on the central coast. The map includes labels for various locations like Astoria, Seaside, and Newport. The map is credited to Esri.

Share Your Rocky Shore Data

A data call is being issued to solicit new information to be considered during the update process. A data call is being issued to solicit new information to be considered during the update process.

[Learn more about how to contribute your data!](#)

Direct link to outreach materials: www.bit.ly/TSPgetinvolved

PUBLIC SCOPING RESULTS

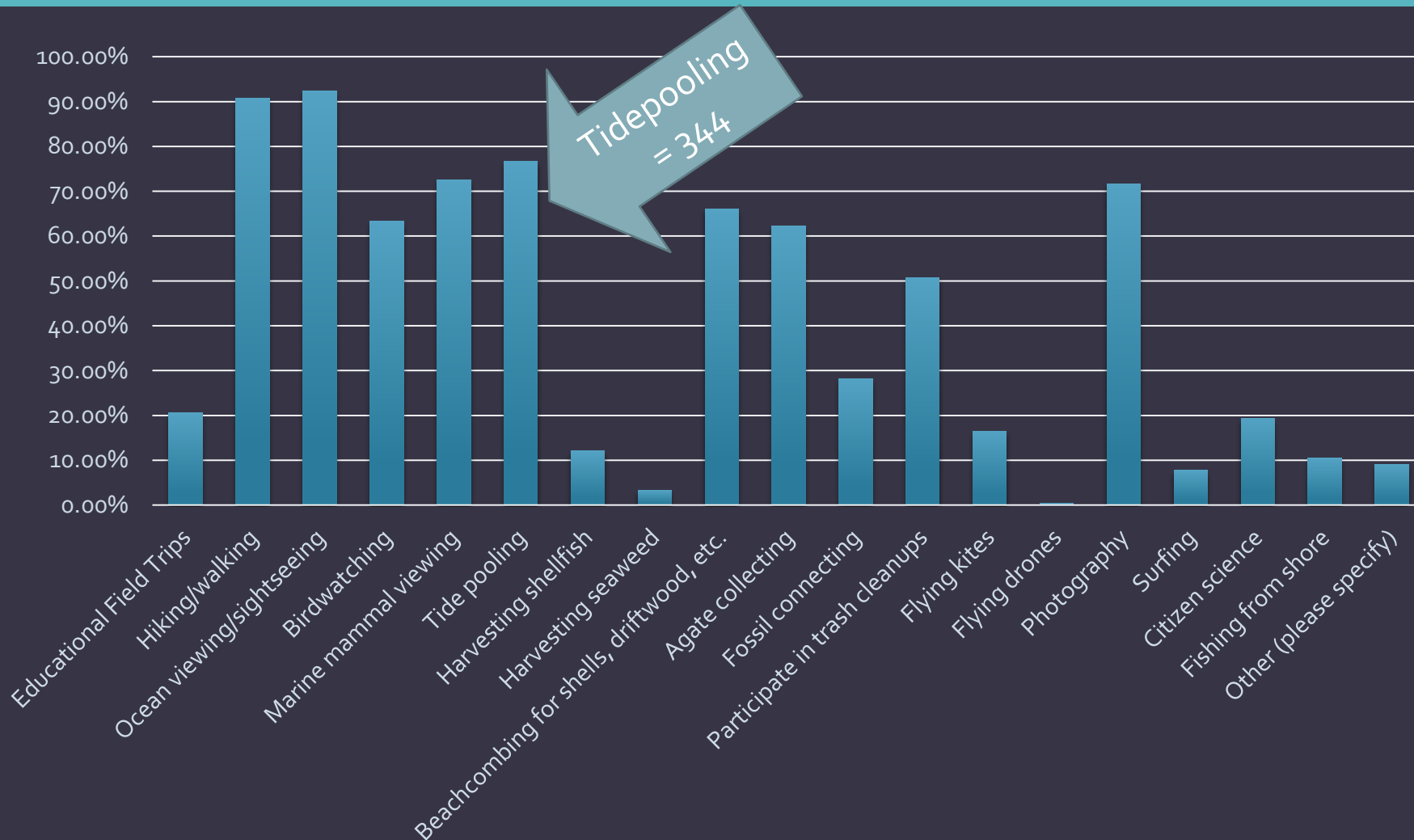
<u>Outreach Mechanism</u>	<u>Count</u>
General Questionnaire	503
Issues Questionnaire	4
Email Comments	2
Public Workshops	
Completed	8/9
Attendees	~60
Social Media Posts	Multiple
Email Blasts	Multiple

General Public Comments

- Access is important
- Support for more educational opportunities
- Better consistency with current regulations
- Possible broad ocean changes should be accounted for

ACTIVITIES AT THE ROCKY SHORE

N = 447



Other Responses (N=41)

- Citizen Science & Volunteering
- Work
- Research
- Rock Climbing
- Relaxation & Meditation
- Dog & Kid Friendly activities

HOW MUCH DO YOU KNOW ABOUT-

N = 466

	A great deal	A moderate amount	A little	Nothing	Not sure
Rocky intertidal habitats (e.g., tide pools)?	24.68%	47.64%	26.82%	0.86%	0.00%
Rocky intertidal plants and animals?	20.43%	43.66%	34.41%	1.51%	0.00%
Human impacts to rocky shore areas?	26.82%	46.57%	24.46%	1.93%	0.21%
Potential effects of changing ocean conditions (including ocean acidification and sea level rise) on rocky shores?	20.60%	45.92%	27.04%	5.36%	1.07%
What activities are allowed within rocky shore areas?	17.38%	40.56%	32.40%	6.01%	3.65%
How different rocky shore ecosystems are connected?	17.89%	29.53%	38.36%	11.21%	3.02%
What a Marine Gardens is? / What activities are allowed in a marine Garden?	15.91%	23.44%	35.70%	19.78%	5.16%
What a Research Reserve is? / What activities are allowed in a Research Reserve?	16.85%	21.81%	36.29%	20.95%	4.10%
What a Habitat Refuge is? / What activities are allowed in a Habitat Reserve	16.02%	26.19%	35.93%	17.97%	3.90%

BIGGEST THREATS TO THE ROCKY SHORE

N = 406

THREAT	# Participants who view threat as EXTREMELY & VERY THREATENING
Marine debris and trash	300
Ocean temperature rise	236
Ocean acidification	296
Human-caused changes to water quality (e.g., runoff from communities)	267
Low ocean oxygen (i.e., hypoxia or "dead zones")	260
Loss of ocean organisms due to disease	333
Other marine pollution	168
Upland residential or commercial development	243
Trampling of ocean organisms	192
Sea level rise	237
Non-native and/or invasive species in rocky shore sites	57
High guest visitation	123
Harassment of marine mammals and birds	121
Harvest of ocean organisms	273
Erosion of cliffs and headlands	245
Ocean development (e.g., marine renewable energy, aquaculture)	118
Loss of access for visitors	188
Sand deposits from storms	233

Open Ended - Other Threats

- Radiation from Fukushima & tsunami debris
- Progressives
- Offshore Oil Drilling & LNG
- Off leash Dogs
- Logging of coastal forests raises temperature, lowers humidity, water quality, etc.
- Increasing coastal population
- Lead contamination
- Invasive species
- Sea Otters

WHAT IS ACCEPTABLE IN THE ROCKY SHORE?

N = 405

	Acceptable	It depends	Unacceptable	No opinion
Exploring tide pools	59.01%	39.75%	0.99%	0.25%
Hiking, sightseeing, wildlife viewing	88.06%	11.94%	0.00%	0.00%
Climbing onshore or nearshore rocks	21.84%	50.37%	26.55%	1.24%
Flying a kite	67.91%	24.38%	5.47%	2.24%
Flying a drone	18.75%	49.25%	26.75%	5.25%
Allowing pets off leash	13.22%	47.38%	37.91%	1.50%
Removing shells, rocks, or other nonliving materials	38.56%	47.76%	12.94%	0.75%
Conducting scientific research (including scientific collection of marine life)	67.58%	30.17%	1.00%	1.25%
Collecting invertebrates and seaweed for education (collection during class field trips)	50.37%	42.68%	4.96%	1.99%
Harvesting shellfish, or other marine invertebrates for personal use	32.67%	51.73%	12.87%	2.72%
Harvesting shellfish, or other marine invertebrates for commercial use	11.75%	50.00%	35.25%	3.00%
Harvesting seaweed for commercial use	10.20%	53.73%	31.09%	4.98%
Harvesting seaweed for personal use	35.18%	49.50%	11.81%	3.52%
The use of motorized vehicles (cars, dune buggies, etc.)	5.96%	23.08%	68.98%	1.99%
The use of non-motorized vehicles (bikes, etc.)	30.25%	51.50%	16.50%	1.75%
Fishing	49.75%	43.56%	5.69%	0.99%

NEXT STEPS:

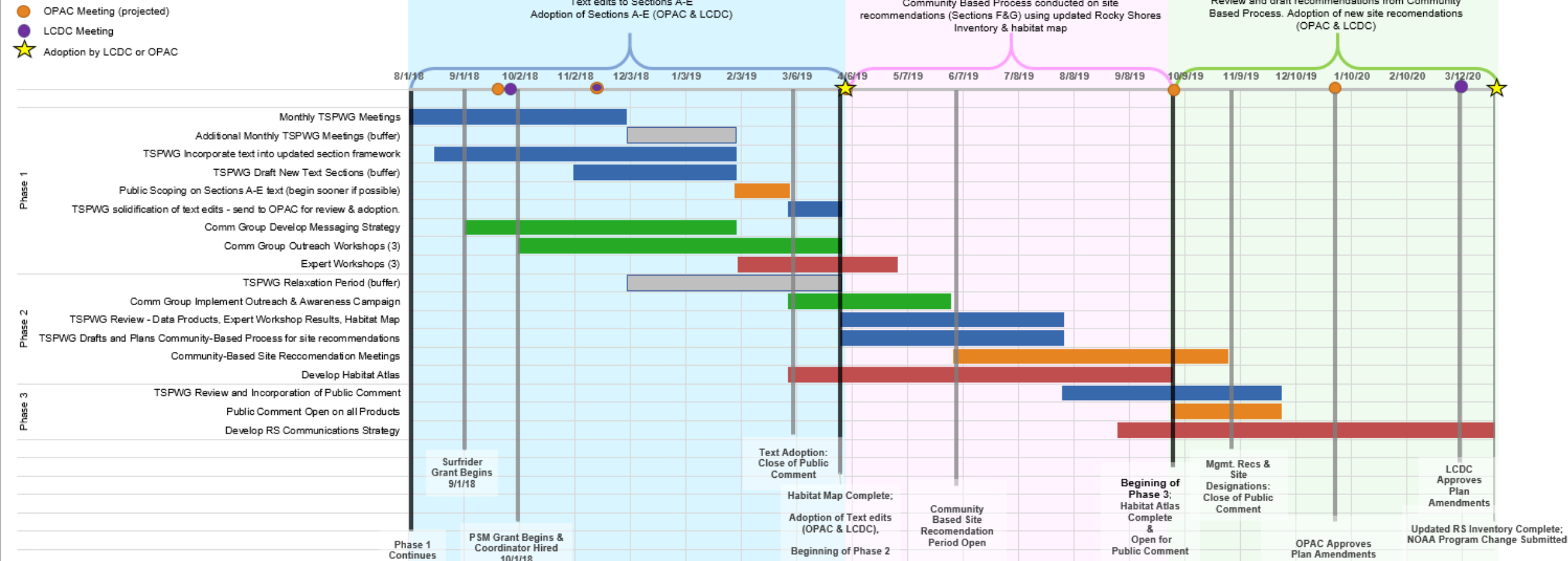
- The TSP Rocky Shores Working Group will determine the focus and scope of Part III amendments.
 - The resource inventory information is being updated to reflect modern data.
 - Rocky shores ecological information is being synthesized.

OPAC will be briefed on the progress of the working group.



PROPOSED PROCESS FOR MOVING FORWARD:

PROJECT TIMELINE



ORS LANGUAGE RELATED TO SITE DELETIONS

- Part c.

A photograph of a green sea slug, likely a nudibrach, resting on a wet, rocky surface. The slug's body is a vibrant green, and its numerous, translucent, greenish-yellow cerata (defensive structures) are prominent. The background consists of dark, wet rocks and some small, colorful pebbles. The text "Thank You!" is overlaid in white, sans-serif font in the center-right of the image.

Thank You!