



## BEACH PRESERVATION COMMISSION

# Agenda

Dec. 5, 2023, 11 a.m.

Regular Meeting

Council Chamber  
1200 Carlsbad Village Drive  
Carlsbad, CA 92008

### Welcome to the Beach Preservation Commission Meeting

We welcome your interest and involvement in the city's legislative process. This agenda includes information about topics coming before the Beach Preservation Commission and the action recommended by city staff. You can read about each topic in the staff reports, which are available on the city website.

#### How to watch

##### In Person



City Council Chamber  
1200 Carlsbad Village Drive

##### Online



Watch the livestream at  
[carlsbadca.gov/watch](https://carlsbadca.gov/watch)

#### How to participate

If you would like to provide comments to the Beach Preservation Commission, please:

- Fill out a speaker request form, located in the foyer.
  - Submit the form to the Clerk before the item begins.
  - When it's your turn, the Clerk will call your name and invite you to the podium.
  - Speakers have three minutes, unless the presiding officer (usually the chair) changes that time.
  - You may not give your time to another person, but groups can select a single speaker as long as three other members of your group are present. Group representatives have 10 minutes unless that time is changed by the presiding officer or the commission.
- **In writing:** Email comments to [parksandrec@carlsbadca.gov](mailto:parksandrec@carlsbadca.gov). Comments received by 10 a.m. the day of the meeting will be shared with the Commission prior to the meeting. When e-mailing comments, please identify in the subject line the agenda item to which your comments relate. All comments received will be included as part of the official record.  
**Written comments will not be read out loud.**

#### Reasonable accommodations

Reasonable Accommodations Persons with a disability may request an agenda packet in appropriate alternative formats as required by the Americans with Disabilities Act of 1990. Reasonable accommodations and auxiliary aids will be provided to effectively allow participation in the meeting. Please contact the City Manager's Office at 442-339-2821 (voice), 711 (free relay service for TTY users), 760-720-9461 (fax) or [manager@carlsbadca.gov](mailto:manager@carlsbadca.gov) by noon on the Monday of the meeting to make arrangements. City staff will respond to requests by 4 p.m. on Monday, the day before the meeting, and will seek to resolve requests before the start of the meeting in order to maximize accessibility.

**CALL TO ORDER:**

**ROLL CALL:**

**PLEDGE OF ALLEGIANCE:**

**APPROVAL OF MINUTES:**

Minutes of the Regular Meeting held on Oct. 3, 2023

**PRESENTATIONS:** None.

**CONSENT CALENDAR:** None.

*The items listed under Consent Calendar are considered routine and will be enacted by one motion as listed below. There will be no separate discussion on these items prior to the time the Commission votes on the motion unless members of the Commission or the public request specific items be discussed and/or removed from the Consent Calendar for separate action.*

**PUBLIC COMMENT:** *The Brown Act allows any member of the public to comment on items not on the agenda. Please treat others with courtesy, civility, and respect. In conformance with the Brown Act, public comment is provided so members of the public may participate in the meeting by submitting comments as provided on the front page of this agenda. The Beach Preservation Commission will receive comments at the beginning of the meeting. In conformance with the Brown Act, no action can occur on these items.*

**PUBLIC HEARINGS:** None.

**DEPARTMENTAL REPORTS:**

1. **CITY OF CARLSBAD BEACH PROFILE SURVEY RESULTS** - Receive an information report on the beach profile surveys up to date, natural impacts, and results of past replenishment projects. (Staff Contact: Michael Tully, Park & Recreation Department, Nick Stupin, Park & Recreation Department)

**Recommendation:** Receive the informational report.

2. **TRI-ANNUAL REPORT OUT ON WORK PLAN FOR FISCAL YEAR 2022-23** - Review the Commission's Work Plan for Fiscal Year 2022-23 and a report out on progress made towards completing the goals and tasks. (Staff Contact: Michael Tully, Park & Recreation Department, Nick Stupin, Park & Recreation Department)

**Recommendation:** Review the work plan and report out on its goals and tasks.

3. **APPROVAL OF COMMISSION WORK PLAN FOR 2024** - Review, edit as needed, and accept the Beach Preservation Commission Work Plan for 2024. (Staff Contact: Michael Tully, Park & Recreation Department, Nick Stupin, Park & Recreation Department)

**Recommendation:** Review, edit as needed, and accept the work plan.

**COMMISSION COMMENTARY AND REQUESTS FOR CONSIDERATION OF MATTERS:** *This portion of the agenda is for the Commission to make brief announcements, brief reports of their activities and requests for future agenda items.*

**DIRECTOR'S COMMENTS:**

**ANNOUNCEMENTS:**

**ADJOURNMENT:**



## BEACH PRESERVATION COMMISSION

# Minutes

Oct. 3, 2023, 11 a.m.

Regular Meeting

Council Chamber  
1200 Carlsbad Village Drive  
Carlsbad, CA 92008

**CALL TO ORDER:** 11:03 a.m.

**ROLL CALL:** Steindlberger, Colby, Stark, Corrigan, Shotas.  
Absent: Woolsey and Norall.

**PLEDGE OF ALLEGIANCE:** Vice Chair Colby led the Pledge of Allegiance.

### **APPROVAL OF MINUTES:**

Minutes of the Regular Meeting held on June 6, 2023

Motion by Commissioner Corrigan, second by Chair Steindlberger to approve the Minutes of the Regular Meeting held on June 6, 2023, as presented. Motion carried, 4/0/1/2 (Colby – Abstain; Woolsey, Norall – Absent).

**PRESENTATIONS:** None.

**CONSENT CALENDAR:** None.

**PUBLIC COMMENT:** None.

**PUBLIC HEARINGS:** None.

### **DEPARTMENTAL REPORTS:**

1. **AGUA HEDIONDA LAGOON FOUNDATION ACTIVITIES** – Receive an informational report on the activities of the Agua Hedionda Lagoon Foundation. (Staff Contact: Michael Tully, Park & Recreation Department)

**Recommended Action:** Receive the presentation.

Agua Hedionda Lagoon Foundation Director of the Discovery Center Samantha Passovoy presented a PowerPoint presentation about the history of the lagoon, an overview of the Agua Hedionda Lagoon Foundation, the ecological benefits of scheduled lagoon maintenance dredging projects and the corresponding sand replenishment at Tamarack State Beach and Frazee State Beach. (on file in the Office of the City Clerk).

Commission received the presentation.

2. **SCRIPPS INSTITUTION OF OCEANOGRAPHY – INFORMATION REPORT** – Receive an informational report of coastal conditions, issues with sand transport and recommendations to consider when developing adaptations to coastal erosion. (Staff Contact: Michael Tully, Park & Recreation Department)

**Recommendation:** Receive the presentation.

Research Professional with the Scripps Institution of Oceanography Dr. Reinhard Flick presented a PowerPoint presentation on an overview of coastal conditions and discussed some recent concerns (on file in the Office of the City Clerk). During this presentation, Dr. Flick identified the recent significant escalation in global sea level rise and its current projection, a study of sand transport. Dr. Flick also provided his professional opinions regarding the development of adaptation strategies to combat coastal erosions.

Commission received the presentation.

*Mitch Silverstein, San Diego Policy Coordinator for the Surfrider Foundation, offered comments about sand flow and how it might differ in the absence of jetties, man-made structures and interruptions to the sand supply.*

3. CITY OF OCEANSIDE PHASE 2 SAND NOURISHMENT AND RETENTION PILOT PROJECT - Receive an informational report from a representative of the City of Oceanside on phase two of its Sand Nourishment and Retention Pilot Project, including the RE:BEACH Oceanside Coastal Resilience Design Competition. (Staff Contact: Michael Tully, Park & Recreation Department)

**Recommended Action:** Receive the presentation.

City of Oceanside Coastal Zone Administrator Jayme Timberlake presented a PowerPoint presentation on phase two of its Sand Nourishment and Retention Pilot Project, including an update on the RE:BEACH Oceanside Coastal Resilience Design Global Competition (on file in the Office of the City Clerk).

Commission received the presentation.

*Mitch Silverstein, San Diego Policy Coordinator for the Surfrider Foundation, spoke in support of sand nourishment projects generally.*

4. TRI-ANNUAL REPORT OUT ON WORK PLAN FOR FISCAL YEAR 2022-23 - Review the Commission's Work Plan for Fiscal Year 2022-23 and a report out on the progress made towards completing the goals and tasks. (Staff Contact: Michael Tully, Park & Recreation Department)

**Recommended Action:** Receive the presentation.

Parks Planner Michael Tully presented the PowerPoint presentation on the Beach Preservation Commission Tri-Annual report out on the work plan (on file in the Office of the City Clerk).

Commission received the presentation.

Chair Steindlberger asked if notices can be sent out to the Commissioners prior to the King Tides events, and prior to the SANDAGs Shoreline Preservation Group upcoming meetings.

5. CLEAN-UP EVENT ON THE CITY-CONTROLLED NORTH BEACH – Select a date and time for a second beach clean-up event on the city controlled north beach, during the period of the annual work plan of the Beach Preservation Commission. (Staff Contact: Michael Tully, Park & Recreation Department)

**Recommended Action:** Select a date and time for the event.

Commission discussion ensued regarding clean-up event date and time.

Motion by Commissioner Shotas, a second by Commissioner Stark for the clean-up event to be held on Nov. 4, 2023, at 8:30 a.m. Motion carried, 5/0/0/2 (Woolsey, Norall – Absent).

**COMMISSION COMMENTARY AND REQUESTS FOR CONSIDERATION OF MATTERS:** *This portion of the agenda is for the Commission to make brief announcements, brief reports of their activities and requests for future agenda items.*

Commissioner Stark provided a brief report on the status of the Carlsbad Tomorrow Growth Management Citizens Committee. Parks & Recreation Director Kyle Lancaster mentioned that on July 18, 2023, the City Council accepted the Committee's recommendations on all of the citywide facilities performance standards.

Chair Steindlberger asked city staff to send advanced notification to Commissioners of upcoming Commission meetings.

Chair Steindlberger would like to invite the Transportation Department staff to an upcoming Beach Preservation Commission Meeting to discuss updates on the South Carlsbad Climate Adaptation Project and the Encinas Creek rock revetment.

Chair Steindlberger would like to an update on SANDAG's Buena Vista Lagoon Enhancement Project.

**DIRECTOR'S COMMENTS:**

Parks & Recreation Director Kyle Lancaster mentioned role changes to the staff support of the Beach Preservation Commission, commencing in 2024. Parks Planning Manager Nick Stupin will be taking the responsibilities of the primary staff liaison to the Commission and Parks Services Manager Todd Reese will be taking the Commission meeting facilitator seat on the dais.

**ANNOUNCEMENTS:** None.

**ADJOURNMENT:** 12:40 p.m.

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Adriana Alvarez  
Senior Office Specialist



## BEACH PRESERVATION COMMISSION

# Staff Report

**Meeting Date:** Dec. 5, 2023

**To:** Beach Preservation Commission

**From:** Kyle Lancaster, Parks & Recreation Director

**Staff Contact:** Michael Tully, Park Planner  
michael.tully@carlsbadca.gov, 442-339-5724  
Nick Stupin, Park Planning Manager  
nick.stupin@carlsbad.gov, 442-339-2527

**Subject:** City of Carlsbad Beach Profile Survey Results

### Recommended Action

Receive an informational report on the local beach profile surveys to date, natural impacts, and the results of past sand replenishment projects.

### Discussion

Greg Hearon, Principal of Coastal Frontiers, will present an informational report on the state of beaches within Carlsbad, based off the beach profile survey studies to date. The report will include background information, monitoring program specifics, and survey results/findings.

At the special meeting on Dec. 7, 2022, the Beach Preservation Commission accepted its annual work plan. The Goals & Tasks section of the approved work plan states:

1. Gain a better understanding of local shoreline preservation and beach nourishment projects.
  - a. Study and investigate coastal erosion impacts to Carlsbad beaches through understanding of coastal processes and terminology, including:
    - Disruption of natural sand supply and sediment flow
    - High intensity storms and potential flooding
    - Hard stabilization structures or "coastal armoring"
    - Sand replenishment/beach nourishment
    - Living shorelines, shoreline buffers
    - Sea Level Rise impacts - littoral cell/Oceanside cell

This agenda item addresses the above goal and task of the Beach Preservation Commission's accepted annual work plan.

**Exhibits**

None





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# Staff Report

**Meeting Date:** Dec. 5, 2023

**To:** Beach Preservation Commission

**From:** Kyle Lancaster, Parks & Recreation Director

**Staff Contact:** Michael Tully, Park Planner  
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Nick Stupin, Park Planning Manager  
Nick.stupin@carlsbad.gov, 442-339-2527

**Subject:** Tri-Annual Report Out on Work Plan for Fiscal Year 2022-23

### Recommended Action

Review the Beach Preservation Commission's Work Plan for Fiscal Year 2022-23 and report out on progress made towards completing the goals and tasks.

### Discussion

At the special meeting held on Dec. 7, 2022, the Beach Preservation Commission approved its Fiscal Year 2022-23 work plan. The Goals & Tasks section of the approved work plan states:

4. *Tri-annually report out the progress on completing the Goals & Tasks of the Beach Preservation Commission's Work Plan.*
  - a. *Participate in the review of these goals and tasks during an agenda item scheduled every other meeting of the Beach Preservation Commission.*

This agenda item is the third and final report out on the progress on completing the goals and tasks of the Beach Preservation Commission's Work Plan for Fiscal Year 2022-23.

### Next Steps

The Beach Preservation Commission will continue to report out on the progress completing the goals and tasks set forth in its approved work plan.

### Exhibits

1. Beach Preservation Commission's Work Plan for Fiscal Year 2022-23

City of Carlsbad  
Beach Preservation Commission Work Plan  
Fiscal Year 2022-23

**I. Mission Statement**

The Mission of the City of Carlsbad Beach Preservation Commission is to advise the City Council and the City Manager on matters related to erosion prevention and protection/enhancement of the Carlsbad shoreline (e.g., littoral cells, sea level rise et.al.), and to study the best means to maintain beaches for the safety and optimum enjoyment of the public.

**II. Composition**

Consistent with City Council Resolution Nos. 93-178 and 2003-120, the Beach Preservation Commission shall be an advisory commission to the City Council and the City Manager, and its seven members shall be appointed Carlsbad residents. The Commission shall investigate and report on topics or studies related to beach erosion as directed by the City Council and City Manager. Commission Members shall serve on a volunteer basis, on staggered terms. Commission Members are expected to attend all meetings, held at dates/times set by the Commission or requested by the City Council or City Manager. The Commission shall be standing, but subject to termination by the City Council if it deems the existence of the Commission is no longer necessary to the City. The Commission name was changed from its original 'Beach Erosion' to 'Beach Preservation', based on the nature of coastal awareness shifting from strictly evaluating the effects of coastal erosion to a more encompassing view of shoreline preservation.

**III. FY 2022-23 Goals & Tasks**

The Beach Preservation Commission will focus on the following FY 2022-23 Goals/Tasks:

(Goals identified in numerals; Tasks to accomplish those Goals identified in alphas)

1. Gain a better understanding of local shoreline preservation and beach nourishment projects.
  - a. Study and investigate coastal erosion impacts to Carlsbad beaches through understanding of coastal processes and terminology, including:
    - Disruption of natural sand supply and sediment flow
    - High intensity storms and potential flooding
    - Hard stabilization structures or "coastal armoring"
    - Sand replenishment/beach nourishment
    - Living shorelines, shoreline buffers
    - Sea Level Rise impacts - littoral cell/Oceanside cell
  - b. Review informational documents for current and future Commission Members, with items to include:

- Minutes and information from regional planning partners such as SANDAG's Shoreline Preservation Working Group.
  - c. Invite a coastal planner (e.g., Scripps Institution of Oceanography) to provide an advertised presentation at a Beach Preservation Commission Meeting, with a focus on educating citizens on the means and ways sandy beaches are preserved in Carlsbad.
2. Encourage private and public representatives to be engaged and work together on protection and enhancement of local beaches.
- a. Schedule and carry-out plans for two beach clean-up events (i.e., one mid- and one post-summer) in the northern beaches of the City of Carlsbad.
  - b. Receive updates from representatives from the three lagoon foundations in Carlsbad (Agua Hedionda, Batiquitos, and Buena Vista Lagoons).
  - c. Receive updates from the California State Parks and Recreation Department on local erosion issues, prevention efforts, and any beach access improvements to our local beaches.
  - d. Upon receipt of updates from local jurisdictions (i.e. lagoon foundation, SANDAG, State Parks, California Fish and Wildlife, etc.), prepare comments as a Commission to submit to the City Council regarding any comments or concerns determined to be of interest to the Council.
  - e. Observe king tides and extreme low tides during the winter months (i.e., December – January) onsite at the Encinas Creek dip and the South Tamarack state beach.
3. Participate in outreach opportunities related to protection and enhancement of local beaches.
- a. Look for opportunities to engage the citizens and school children of the City of Carlsbad (e.g., high school environmental/marine science clubs, et. al.) in stewardship of our coastline through events such as annual beach cleanups to encourage efforts to keep our beaches clean throughout the year.
  - b. Work with other city departments to encourage outreach for the citizens of Carlsbad to educate them on potential erosion impacts and sea level rise as shown in the City of Carlsbad Local Coastal Plan. Invite a city planner to provide an advertised presentation at a Beach Preservation Commission Meeting, after the California Coastal Commission's review and comment on the Local Coastal Plan.
  - c. Observe and monitor local beaches and tidepools for issues contributing to degradation of beaches including feeding squirrels and other wildlife, pet waste issues, and trash.
  - d. Make periodic tours of all Carlsbad beaches to assess physical conditions, usage factors and safety considerations for the beaches and potentially impacted surrounding areas.
- Resulting issues requiring action shall be reported to city staff.

4. Tri-annually report out the progress on completing the Goals & Tasks of the Beach Preservation Commission's Work Plan.
  - a. Participate in the review of these goals and tasks during an agenda item scheduled every other meeting of the Beach Preservation Commission.



## BEACH PRESERVATION COMMISSION

# Staff Report

**Meeting Date:** Dec. 5, 2023

**To:** Beach Preservation Commission

**From:** Kyle Lancaster, Parks & Recreation Director

**Staff Contact:** Michael Tully, Park Planner  
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Nick Stupin, Park Planning Manager  
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**Subject:** Approval of Commission Work Plan for 2024

### Recommended Action

Review, edit as needed, and accept the Beach Preservation Commission Work Plan for 2024.

### Discussion

In 2018, the City Council revised the Carlsbad Municipal Code to create uniform policies and procedures related to boards and commissions. CMC Section 2.15.020 (C) requires that each board or commission provide to the City Council for its approval an annual work plan of activities to be undertaken.

At the Beach Preservation Commission Special Meeting of Dec. 7, 2022, the Commission reviewed the existing annual work plan and discussed the opportunity for making edits to the content. The Commission agreed to make limited edits to the annual work plan's goals and tasks section. At the conclusion of discussion, the Commission accepted its annual work plan and recommended its approval by the City Council. On Jan. 10, 2023, the City Council adopted a resolution approving the work plan of the Beach Preservation Commission (Exhibit 1).

Staff has prepared a draft Beach Preservation Commission Work Plan for 2024 (Exhibit 2) for the Commission to review, edit as needed, and accept.

### Next Steps

The Commission accepted Beach Preservation Commission Work Plan for 2024 will be presented to the City Council for approval in January 2024.

### Exhibits

1. Existing Beach Preservation Commission Work Plan
2. Draft Beach Preservation Commission Work Plan for 2024

## City of Carlsbad Beach Preservation Commission Work Plan Fiscal Year 2022-23

### I. Mission Statement

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### II. Composition

Consistent with City Council Resolution Nos. 93-178 and 2003-120, the Beach Preservation Commission shall be an advisory commission to the City Council and the City Manager, and its seven members shall be appointed Carlsbad residents. The Commission shall investigate and report on topics or studies related to beach erosion as directed by the City Council and City Manager. Commission Members shall serve on a volunteer basis, on staggered terms. Commission Members are expected to attend all meetings, held at dates/times set by the Commission or requested by the City Council or City Manager. The Commission shall be standing, but subject to termination by the City Council if it deems the existence of the Commission is no longer necessary to the City. The Commission name was changed from its original 'Beach Erosion' to 'Beach Preservation', based on the nature of coastal awareness shifting from strictly evaluating the effects of coastal erosion to a more encompassing view of shoreline preservation.

### III. FY 2022-23 Goals & Tasks

The Beach Preservation Commission will focus on the following FY 2022-23 Goals/Tasks:

(Goals identified in numerals; Tasks to accomplish those Goals identified in alphas)

1. Gain a better understanding of local shoreline preservation and beach nourishment projects.
  - a. Study and investigate coastal erosion impacts to Carlsbad beaches through understanding of coastal processes and terminology, including:
    - Disruption of natural sand supply and sediment flow
    - High intensity storms and potential flooding
    - Hard stabilization structures or "coastal armoring"
    - Sand replenishment/beach nourishment
    - Living shorelines, shoreline buffers
    - Sea Level Rise impacts - littoral cell/Oceanside cell
  - b. Review informational documents for current and future Commission Members, with items to include:

- Minutes and information from regional planning partners such as SANDAG's Shoreline Preservation Working Group.
  - c. Invite a coastal planner (e.g., Scripps Institution of Oceanography) to provide an advertised presentation at a Beach Preservation Commission Meeting, with a focus on educating citizens on the means and ways sandy beaches are preserved in Carlsbad.
2. Encourage private and public representatives to be engaged and work together on protection and enhancement of local beaches.
- a. Schedule and carry-out plans for two beach clean-up events (i.e., one mid- and one post-summer) in the northern beaches of the City of Carlsbad.
  - b. Receive updates from representatives from the three lagoon foundations in Carlsbad (Agua Hedionda, Batiquitos, and Buena Vista Lagoons).
  - c. Receive updates from the California State Parks and Recreation Department on local erosion issues, prevention efforts, and any beach access improvements to our local beaches.
  - d. Upon receipt of updates from local jurisdictions (i.e. lagoon foundation, SANDAG, State Parks, California Fish and Wildlife, etc.), prepare comments as a Commission to submit to the City Council regarding any comments or concerns determined to be of interest to the Council.
  - e. Observe king tides and extreme low tides during the winter months (i.e., December – January) onsite at the Encinas Creek dip and the South Tamarack state beach.
3. Participate in outreach opportunities related to protection and enhancement of local beaches.
- a. Look for opportunities to engage the citizens and school children of the City of Carlsbad (e.g., high school environmental/marine science clubs, et. al.) in stewardship of our coastline through events such as annual beach cleanups to encourage efforts to keep our beaches clean throughout the year.
  - b. Work with other city departments to encourage outreach for the citizens of Carlsbad to educate them on potential erosion impacts and sea level rise as shown in the City of Carlsbad Local Coastal Plan. Invite a city planner to provide an advertised presentation at a Beach Preservation Commission Meeting, after the California Coastal Commission's review and comment on the Local Coastal Plan.
  - c. Observe and monitor local beaches and tidepools for issues contributing to degradation of beaches including feeding squirrels and other wildlife, pet waste issues, and trash.
  - d. Make periodic tours of all Carlsbad beaches to assess physical conditions, usage factors and safety considerations for the beaches and potentially impacted surrounding areas.
- Resulting issues requiring action shall be reported to city staff.



4. Tri-annually report out the progress on completing the Goals & Tasks of the Beach Preservation Commission's Work Plan.
  - a. Participate in the review of these goals and tasks during an agenda item scheduled every other meeting of the Beach Preservation Commission.

City of Carlsbad  
Beach Preservation Commission Work Plan  
Fiscal Year 2024

I. Mission Statement

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II. Composition

Consistent with Chapter 2.34 of the Carlsbad Municipal Code, the Beach Preservation Commission shall consist of seven members appointed by the mayor with the approval of the city council. Members shall serve four-year terms. The Commission shall investigate, research, and make recommendations to the city council and the city manager on general coastal topics, studies, and programs, including, but not limited to, the following: Protecting and enhancing the shoreline (e.g. littoral cells, and sea level rise); preventing beach erosion; and preserving and maintaining beaches for the safety and optimum enjoyment of the public. (Ord. CS-452 § 2, 2023) Commission Members shall serve on a volunteer basis, on staggered terms. Commission Members are expected to attend all meetings, held at dates/times set by the Commission or requested by the City Council or City Manager. The Commission shall be standing, but subject to termination by the City Council if it deems the existence of the Commission is no longer necessary to the City.

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  - a. Study and investigate coastal erosion impacts to Carlsbad beaches, with an understanding of coastal processes and terminology, including:

- Disruption of natural sediment flow and sand supply
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  - Hard stabilization structures or “coastal armoring”
  - Sand replenishment/beach nourishment
  - Living shorelines and shoreline buffers
  - Sea Level Rise impacts
  - Littoral cell/Oceanside cell
- b. Review informational documents for current and future Commission Members, with items to include:
    - Minutes and information from regional planning partners such as SANDAG’s Shoreline Preservation Working Group.
  - c. Invite an oceanography professional (e.g., Scripps Institution of Oceanography) to provide an advertised presentation at a Beach Preservation Commission Meeting, with a focus on educating citizens on the means and ways sandy beaches are and could be preserved in Carlsbad.
2. Encourage private and public representatives to be engaged and work together on protection and enhancement of local beaches.
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    - b. Work with other city departments to encourage outreach for the citizens of Carlsbad to educate them on potential erosion impacts and sea level rise as shown in the City of Carlsbad Local Coastal Plan. Invite a city planner to provide an advertised presentation at a Beach Preservation Commission

Meeting, after the California Coastal Commission's review and comment on the Local Coastal Plan.

- c. Observe and monitor local beaches and tidepools for issues contributing to degradation of beaches including feeding squirrels and other wildlife, pet waste issues, and trash.

- Resulting issues requiring action shall be reported to city staff.

- d. Make periodic tours of all Carlsbad beaches to assess physical conditions, usage factors and safety considerations for the beaches and potentially impacted surrounding areas.

- Resulting issues requiring action shall be reported to city staff.

- 4. Tri-annually report out the progress on completing the Goals & Tasks of the Beach Preservation Commission's Work Plan.

- a. Participate in the review of these goals and tasks during an agenda item scheduled every other meeting of the Beach Preservation Commission.