

Arroyo Burro Beach Interpretive Signs

Recipient: Santa Barbara County Community Services Department Parks Division

Project Period: 9/1/2022 - 1/26/2024

Award Amount: \$49,900

Project Number: #8006.22.074255

Summary of Accomplishments

The County of Santa Barbara Community Services Department's (County) goal is to connect people to opportunities; as such, our mission statement is to 'provide community, cultural and recreational resources that sustain and enhance quality of life for all who live, work and play in Santa Barbara County.' Arroyo Burro Beach Park is located on the coast of Santa Barbara, California and sees almost 1.25 million visitors per year. Installation of nine (9) colorful and moderately-sized interpretive panels along a well-traveled boardwalk that runs along a coastal creek and estuary helps accomplish the goal of connecting and educating people to our imperative local coastal flora, fauna, watershed and coastal processes.

The Arroyo Burro Creek and estuary are habitat for the endangered Southern California Steelhead Trout and the endangered Tidewater Goby, and supports numerous riparian plant and wildlife species. At any time, on any given day, multiple species of birds can be seen from the boardwalk. The newly installed interpretive signs are located at three separate lookout areas along the boardwalk and hence are able to embrace three themes overlooking the Arroyo Burro Estuary:

- Local Watershed Lookout Area 1: This theme focuses on the upper watershed leading to the estuary and includes information on the physical characteristics of the watershed, native plants and animal species, the benefit of natural watershed processes in improving water quality, and factors that impact watershed health. There are three (3) signs at this themed overlook area.
- Local Estuary Lookout Area 2: This theme focuses on the estuary and includes education on local bird species that can be observed, facts about the endangered Tidewater Goby and Steelhead Trout, and the benefits and unique ecosystem characteristics of local estuaries. There are three (3) signs at this themed overlook area.
- Coastal Waters Lookout Area 3: This theme focuses on the shoreline and ocean ecosystems and
 includes information on wildlife species and geological factors that can be seen on the beach, fish
 that are present in the surf zone, and other unique facts about the Santa Barbara Channel. There are
 three (3) signs at this themed overlook area.

The interpretive signs along the Arroyo Burro Beach boardwalk, creek and estuary provide interesting facts about the watershed, estuary, and ocean ecosystems, and describe wildlife species that visitors will be able to observe from the boardwalk, and provides a unique interpretive opportunity to educate and enhance the

recreational experience for the visitors to this popular beach.

Project Activities

The five (5) primary activities conducted for this project involved a contractor assisting with the content development, design, manufacturing, and installation of the interpretive signs.

Task 1 – Sign content scoping and development:

This task involved a kickoff meeting to comment on initial ideas for sign content. Stakeholder groups such as the South Coast Watershed Resource Center and University of California Santa Barbara professors were be engaged to gather input on specific interpretive sign content including unique species that are regularly seen in the watershed, estuary, or along the coast.

Task 2 – Initial drafting and sketching of signs:

This task involved generating initial sketches of signs including content. The County and project partners reviewed and commented on draft content ideas. Comments were incorporated before moving on to graphics design.

Task 3 – Draft and finalize sign designs and graphics:

The draft content ideas were developed with graphics design and included thematic coloring and borders, pictures and illustrations. The design involved two (2) proofing phases where drafts were produced and reviewed by the County and project partners for comment on the overall design, layout, content, and colors. Design comments were incorporated and signs finalized.

Task 4 – Manufacturing of sign panels and purchasing of hardware:

The County signed off on the final sign designs before manufacturing of panels began. Panels are approximately 18" square in size so as not to impede with the overall views or backgrounds of the signs surroundings. The signs are approximately 1" thick with a powder coated aluminum back frame and mounted onto the existing boardwalk railing with tamperproof screws.

Task 5 – Sign installation along the Arroyo Burro Estuary boardwalk:

Signs were installed along the boardwalk leading from the parking area to Arroyo Burro Beach. Signs are attached to the existing railing along the boardwalk using mounting brackets and tamperproof hardware. Signs relating to the watershed were placed furthest from the coast, signs relating to the estuary were placed in the middle, and signs relating to the ocean and coast were placed closest to the beach.

There were no discrepancies between the activities conducted for the project and the activities agreed upon in the project funding agreement. Landscaping maintenance was not needed during installation as the sign locations were free of vegetation overgrowth.

Project Outcomes

The County was able to install the anticipated maximum number of properly sized interpretive signs that include factual flora, fauna and coastal process information to achieve the project's recreational benefits.

There were no discrepancies between the final project outcome, compared to what was anticipated to happen.

The interpretive signs were colorfully created and moderately sized in order to more actively draw the public's

eye to the recreational and educational interpretive signs. This is anticipated to be an unexpected benefit of increasing the number of visitors that view the interpretive signs.

The Future

Prior to this project's inception, the County of Santa Barbara Community Services Department Park Division had recently finished renovations and improvements at Arroyo Burro Beach Park, including a 2,100-foot boardwalk that was completed in 2017. The boardwalk connects the parking areas to the beach, and runs along Arroyo Burro Creek Estuary. The boardwalk was built with three (3) overlook locations with the intent of installing interpretive panels for the public's recreational and education benefit. This project served as the final phase of this effort.

Lessons Learned

While there were no challenges encountered on this project, the most important take away was engaging with local and state level environmental and educational entities for input and review of the flora, fauna and coastal process information to include on the interpretive panels.

Project Photos



Lookout Area 1 - Local Watershed Signs: Before, March 2017 (Left); After, aspect 1, June 2023 (Right). Lookout areas are numbered progressively (1,2, and 3) as visitors walk along the Arroyo Burro Beach Park boardwalk from the far parking lot to the ocean.



Lookout Area 1 - Local Watershed Signs: After, aspect 2, June 2023 (Left); After, aspect 3, June 2023 (Right)



Lookout Area 1 - Local Watershed Signs: After, public utilizing, June 2023



Lookout Area 2 - Local Estuary Signs: Before, March 2017 (Left); After, aspect 1, June 2023 (Right)



Lookout Area 2 - Local Estuary Signs: After, aspect 2, June 2023 (Left); After, aspect 3, June 2023 (Right)



Lookout Area 2 - Local Estuary Signs: After, aspect 4, June 2023



Lookout Area 3 - Coastal Waters Signs: Before, March 2017 (Left); After, aspect 1, June 2023 (Right)



Lookout Area 3 - Coastal Waters Signs: After, aspect 2, June 2023 (Left); After, aspect 3, June 2023 (Right)



Lookout Area 3 - Coastal Waters Signs: After, aspect 4, June 2023 (Left)

LOOKOUT AREA 1

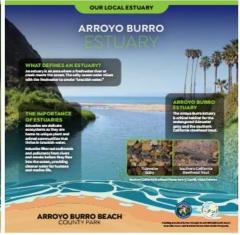






LOOKOUT AREA 2







LOOKOUT AREA 3





