

Biological Construction Monitoring Exhibit
Children's Pool, La Jolla, California,
Lifeguard Station Reconstruction

Monitoring plan as proposed to the City of San Diego by Hanan&Associates, Inc. for the La Jolla Children's Pool Lifeguard Station demolition and construction:

Monitoring of the Lifeguard Station remodel will be completed by Hanan & Associates, Inc. (H&A) in accordance with Incidental Harassment Authorization (IHA). National Marine Fisheries Service (NMFS) approved Protected Species Observers (PSO) will be provided by H&A during periods in which the in-air noise-generating activities are scheduled to exceed 90 dB. If additional periods are deemed necessary by the contracting/engineering company (Stronghold Engineering), H&A must be made aware 24 hours prior to start of that activity in order to provide an onsite PSO. The PSO will complete an initial scan of the action area 30 minutes prior to construction activity, continuously during the activity, and at least 30 minutes after cessation of the in-air noise-generating activity. When inclement weather limits visibility, the PSO will perform scans to the extent that weather permits. If weather precludes the PSO from performing the counts on the Sea Wall, locations: C2, S3, C3, and C4, the PSO will perform the counts and sound monitoring as close as possible. If waves are crashing over the sea wall and the safety of the PSO and/or equipment is in question; the PSO will perform the counts and sound measurements from site "IW" or further north along the bluff as needed to accurately perform those required counts.

The PSO will be required to complete visual counts of all marine mammals in four locations on an hourly basis, as well as, audio monitoring in three locations during this same hourly schedule (see Monitoring Diagrams for locations, attached). Audio monitoring will be completed using a handheld digital sound level measuring device. The PSO will complete a "Consultant Site Visit Record" (CSV, attached) during each step of the monitoring process as follows:

Upon arrival at the site, the PSO will record the time, Beaufort sea state, weather conditions including cloud cover, wind velocity and direction, horizontal visibility, air and water temperature, tide height, and number of public visitors present by location at Children's Pool. The time of in-air noise-generating construction activity commencement will also be recorded.

Initially the PSO will take audio measurement at site "S1", where the PSO will monitor the sound level for two minutes and record the "maximum" decibel level monitored on the CSV.

The PSO will then proceed to site "S2" where the PSO will again monitor the sound level for two minutes and record the "maximum" decibel level monitored on the CSV.

Adjacent to site "S2," at site "C1" the PSO will perform a visual count of all seals hauled out on Casa Beach and record the following on the CSV: a) total count, b) a count of juveniles (yearling and pups) and where possible a count of males and females to estimate sex ratio.

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The PSO will then proceed to site "C2" where a count of all seals hauled out on the Reef area west of the break wall. Again the PSO will record the following on the CSV: a) total count, b) a count of juveniles (yearling and pups) and where possible a count of males and females.

The PSO will now move to the fourth position "S3" where the PSO will again monitor the sound level for two minutes and record the "maximum" decibel level monitored on the CSV.

Adjacent to site "S3," at site "C3" the PSO will perform a visual count of all seals hauled out on the Children's Pool Beach and record the following on the CSV: a) total count, b) a count of juveniles (yearling and pups) and where possible a count of males and females to estimate sex ratio.

The PSO will finish the fourth and final count from site "C4" where a count of all seals hauled out on Seal Rock will be counted using binoculars. Again the PSO will record the following on the CSV: a) total count, b) a count of juveniles (yearling and pups) and where possible a count of males and females to estimate sex ratio.

Continually during the activity generating the in-air noise the PSO will observe the seals and note on the CSV any behavioral responses as well as the assumed cause of this response, whether it from visual or acoustic cues: a) construction and equipment type or b) type of public or other non-construction stimuli. During these events the PSO will take video and/or photographs to document these responses.

Lastly, as three active sea gull nests were observed about 200 feet away from the construction site during a pre-construction survey, the PSO will monitor any activity within these nests and denote any changes on the CSV.

Throughout the day, the PSO will continue to monitor and record any changes in the Beaufort sea state, weather conditions including cloud cover, wind velocity and direction, horizontal visibility, air and water temperature, tide height, and number of public visitors present by location at Children's Pool. The time of in-air noise-generating activity completion will also be recorded at the end of the day or activity and the PSO will document the departure time from the site.