

Grunion Greeter Data Collection Form

Night following what day: ____/____/____(Month/Day/Year)

Note: If run begins or lasts until after midnight, use the date of the previous day.

County: _____ Beach: _____

Observers on the beach: From ____ to ____ (time)

People in your group: ____ (number)

Presence of grunion (choose one): ☐ Spawning run occurred

☐ No spawning run occurred ☐ A few grunion, but no spawning

Time grunion were on the beach: From: ____ to ____ (time)

At the peak of the run, estimate how many fish were on the beach.

W0 ☐ No fish, or only a few individuals, with no spawning.

W1 ☐ 10 - 100 fish scattered on the beach at a time, some spawning.

W2 ☐ Up to 500 fish sporadically on the beach, spawning in one or more areas of the beach.

W3 ☐ 500 to 1000 fish spawning at the same time on the beach in one or several areas.

W4 ☐ Thousands of fish together on the beach, little space between them, for an extended period of time.

W5 ☐ Fish covering the shore several individuals deep for over an hour, a silver ribbon of fish an extended run both in time and extent on shore

Which phrase best describes the run?

☐ No run, no fish or only a few fish showed up individually.

☐ Light run in one location on the beach.

☐ Light run over an extensive area of the beach.

☐ Moderate run in one location on the beach.

☐ Moderate run over an extensive area of the beach.

☐ Large run in one area of the beach.

☐ Large run over an extended area of the beach.

How extensive an area along the beach was involved in the run?

☐ Less than 10 yards ☐ 10-25 yards ☐ 25-50 yards ☐ 50-100 yards

☐ More than 100 yards of the beach ☐ The entire beach was involved

Weather

☐ Clear ☐ Overcast ☐ Drizzly and foggy ☐ Rainy/stormy

Presence of wrack (seaweed, drift plants) on the beach:

- ☐ No wrack.
- ☐ Small amounts of wrack present.
- ☐ Moderate amounts of wrack present (piles in several locations).
- ☐ Large amounts of wrack present, many places on the beach covered.
- ☐ Other _____

Number of people on the beach at the time when you were there:

- ☐ Less than 10 ☐ 10-20 ☐ 20-30 ☐ 30-99 ☐ 100-200
- ☐ More than 200 ☐ Other _____

Did you see animal predators around the run? ☐ Yes ☐ No

If so, please list: _____

Were there artificial lights that illuminated the location of the run?

- ☐ No lights, very dark.
- ☐ Lights on structures such as street lights, pier lights,
- ☐ Occasional flashlight use by observers.
- ☐ Steady use of flashlights and other illumination by observers.
- ☐ Other (please specify): _____

What best describes the behavior of the people on the beach*:

- ☐ Quiet and calm, did not interfere with the run.
- ☐ Noisy and restless, may have startled or frightened the fish.
- ☐ Hunting and attempts to capture the fish. *(April, May and June are closed to fishing, no take is allowed)*

For people hunting the grunion, what best describes their behavior?

- ☐ They were unsuccessful in catching
- ☐ They caught a few, but most fish were not disturbed.
- ☐ They were catching for bait.
- ☐ They were catching for food
- ☐ They were catching for recreation.
- ☐ They were catching during closed season (April, May and June).
- ☐ They were using some kind of gear (no gear is ever permitted).
- ☐ They were doing scientific research
- ☐ All or nearly all the fish that approached the shore were caught.

How many times have you attempted to see the grunion before this night?

- ☐ Never, this was my first time
- ☐ I've tried several times but never seen them before
- ☐ I have been out a few times and saw grunion at least once before
- ☐ I have been out many times and have seen grunion on many occasions
- ☐ I can't count the times I have gone out to see the grunion run

Did you ever attend a Grunion Greeter workshop? This may have been at an aquarium, a nature center, a college or university, or some other venue:

- ☐ Yes ☐ No ☐ Don't know

Additional comments _____

Grunion Greeters

(1) **Name:** _____ **E-mail:** _____

(2) **Name:** _____ **E-mail:** _____

*Please submit your observations through **<https://Grunion.org>** within 24 hours.
We welcome photos, too! Please email them to **karen.martin@pepperdine.edu***

Thank you for Greeting the Grunion!

*Data collection form developed by **K. Martin, M. Schaadt, S. Lawrenz-Miller***

