

timing

*4. From when (what time) to when were you on the beach this night?

What time did you arrive?

HH	MM	AM/PM
<input type="text"/>	:	<input type="text"/>

What time did you leave?

<input type="text"/>	:	<input type="text"/>
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*5. How many people were on the beach in your group?

- Just me.
- One other person.
- 2 - 5 other people.
- 6-12 other people.
- 12 - 30 other people.
- More than 30 other people.

*6. Did you see a spawning run of grunion?

- Yes
- No
- A few grunion appeared but no spawning occurred.

the Spawning run

*7. When (what time) did the grunion start to show up? When did they stop showing up?

	HH	MM	AM/PM
Started to appear:	<input type="text"/>	<input type="text"/>	<input type="text"/>
Stopped appearing:	<input type="text"/>	<input type="text"/>	<input type="text"/>

*8. At the peak of the spawning run, estimate the numbers of grunion that were on shore.

- W0: no fish or only a few individuals, no spawning.
- W1: ten to a hundred fish scattered on the beach at the peak of the run, 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 during an extended run both in time and in extent along shore.

9. Which phrase below best describes the run you observed?

- 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.
- Other (please specify)

*10. 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 in the run

Conditions on the beach

*11. How was the weather?

- Clear.
- Overcast.
- Drizzly and foggy.
- Rainy, stormy.

*12. Was wrack present on shore? Wrack is drift kelp and seaweed that washes onto 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 (please specify)

*13. How many people were on the beach at the time you were there?

- Less than 10
- 10 to 20
- 20 to 30
- 30 to 100
- 100-200
- more than 200
- Other (please specify)

*14. Describe the behavior of 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. (Note: April and May are closed season, no take is allowed.)
- Other (please specify)

***15. Did you see any animal predators around the run? If so please list them below.**

***16. Were there artificial lights that illuminated the location of the run? Check all that apply.**

- No lights, very dark.
- Lights on structures such as street lights, pier lights, lights from businesses.
- Occasional flashlight use by observers.
- Occasional camera flashes.
- Steady use of flashlights and other illumination by observers.

Other (please specify)

17. Any other comments about your experience that you wish to share?

About the Greeters

***18. How many times have you attempted to see the grunion run, before the night you are reporting now?**

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

Other (please specify)

***19. Did you ever attend a Grunion Greeter workshop between the years 2002 and 2010? This program may have been at an aquarium, a nature center, a college or university, or some other venue.**

- Yes
- No
- Don't know

***20. Please provide some contact information so we can get in touch with you if we have questions about your observations. You will not be contacted except by the staff specifically about your observations of grunion. Your home town (where you live now) and your e-mail are all that are required; other information is optional and appreciated.**

Name:

City/Town:

State:

Country:

Email Address:

Phone Number: