

UC Berkeley Storm Water Survey – Analysis of Responses

The following charts contain correct answers to UC Berkeley's Storm Water Survey. (See original questions in **Table 1**.) The charts also track the campus community's changes in knowledge and awareness of storm water issues by comparing results from surveys released in December 2015 (baseline) and December 2016.

Summary and Discussion

The December 2016 survey received almost triple the respondents than the December 2015 survey, with the greatest increases in staff and student participants (**Chart 1**). The December 2016 survey had an increase of 9% in overall survey scores, indicating that knowledge and awareness is increasing (**Chart 2**). Trained staff continue to receive the top scores (84%), with community members (76%) and students (70%) ranking second and third, respectively. Contractors working on UC Berkeley property rank the lowest in overall scores (54%).

Survey respondents increased their knowledge in identifying trash, chloramines and sewage as major water quality issues, but decreased their knowledge in identifying turbidity as an issue (**Chart 3**). More people are aware that pressure washing effluent and car washing fluid is not allowed down a UC Berkeley storm drain, but less people are aware that clean drinking water is not allowed down a storm drain (**Chart 4**). [Click here](#) for more information on how turbidity, clean drinking water and other pollutants can impact creeks and the Bay.

Almost all respondents in both years know to call EH&S at (510) 642-3073 and/or contact the UC Police Department when they witness a chemical or sewage spill in the creek, but only ~ 40% know that if someone is trained and it is safe, they can try to stop the spill and clean the area as well (**Chart 5**). [Click here](#) for how to identify and report emergency and non-emergency situations.

Chart 6 presents the responses to other questions on the survey, indicating increases in awareness of storm drain markers around campus and knowledge about what is illegal to dump down drains, and decreases in knowledge about the definition of storm water runoff, identifying storm water runoff as a leading cause of water pollution, and knowing where runoff from the main campus drains go.

Overall, respondents are increasing their knowledge and awareness about storm water issues, with improvements in outreach needed in some topic areas. For more information, go to creeks.berkeley.edu to learn about the many ways people can protect and enhance our creeks.

Chart 1: Online Storm Water Survey Respondents by Group

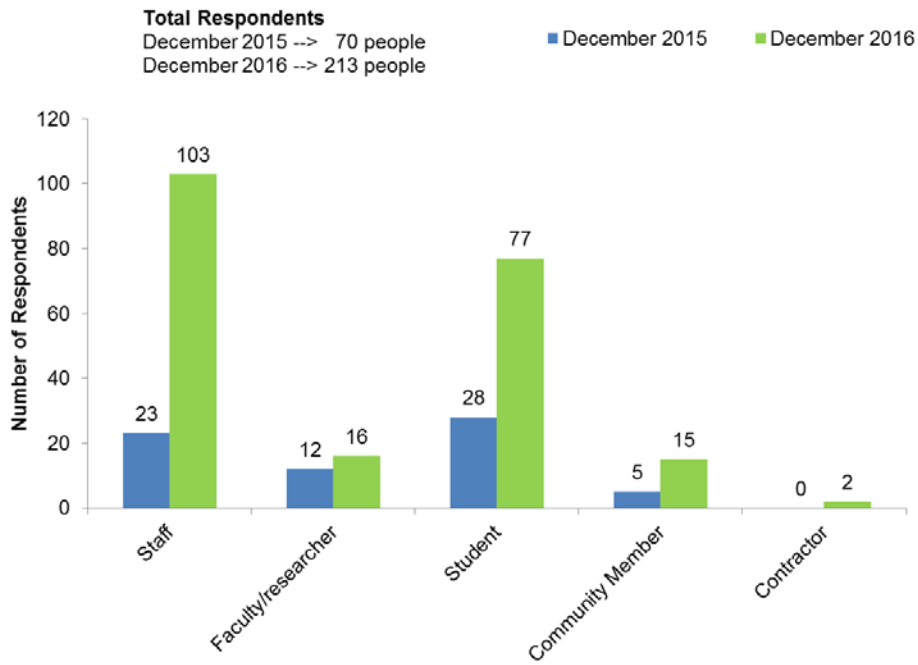


Chart 2: Overall Scores by Group

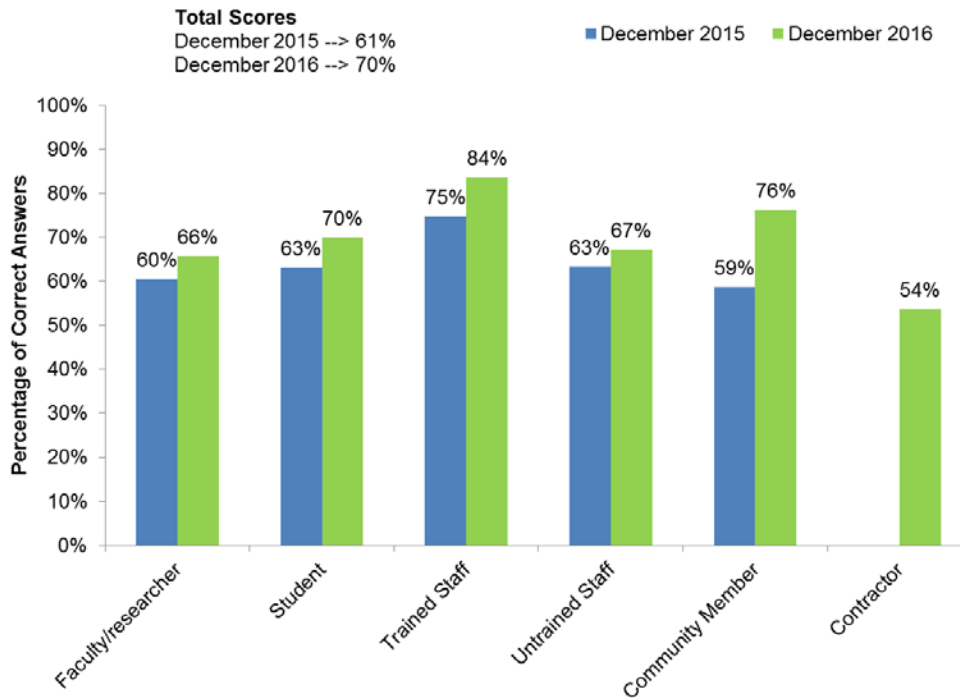
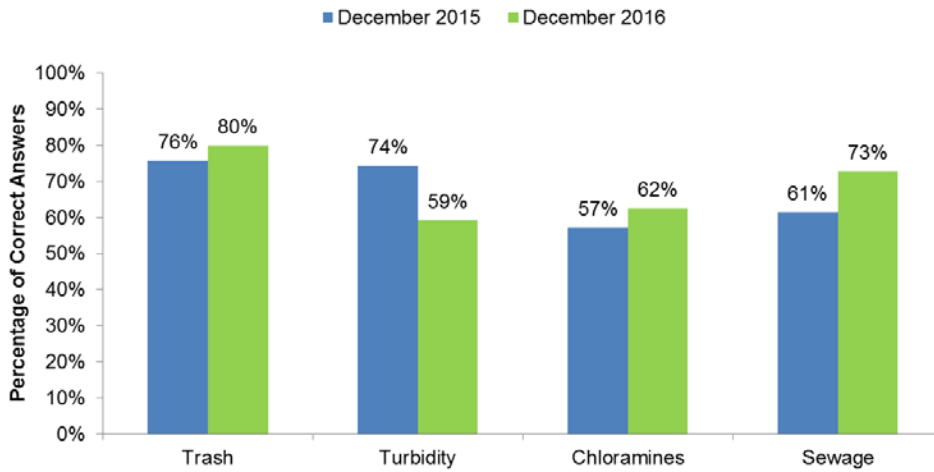
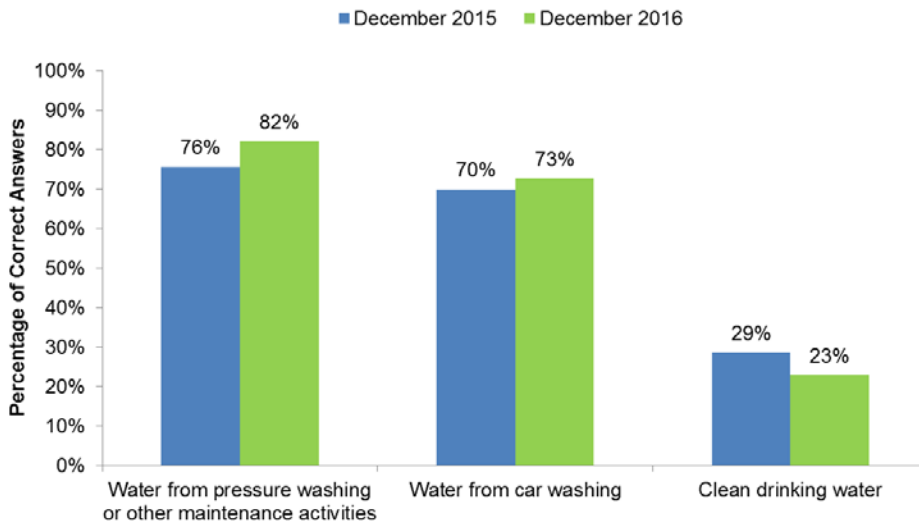


Chart 3: Which of the following are major water quality issues for the San Francisco Bay Area? (Select all that apply)



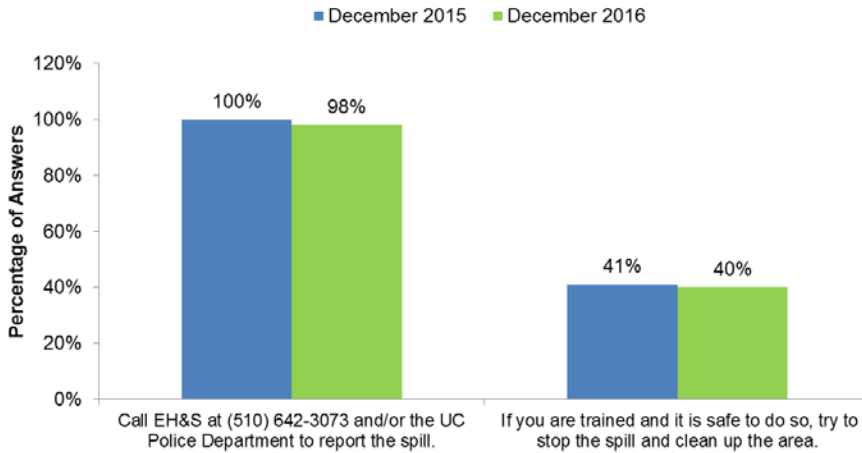
Correct Answer: All of them.

Chart 4: Which of the following are not allowed to flow to a UC Berkeley storm drain? (Select all that apply)



Correct Answer: All of them.

Chart 5: What should you do about a chemical or sewage spill that is flowing to a storm drain or in the creek? (Select all that apply)



Correct Answer: Both of them.

Chart 6: Additional Survey Questions

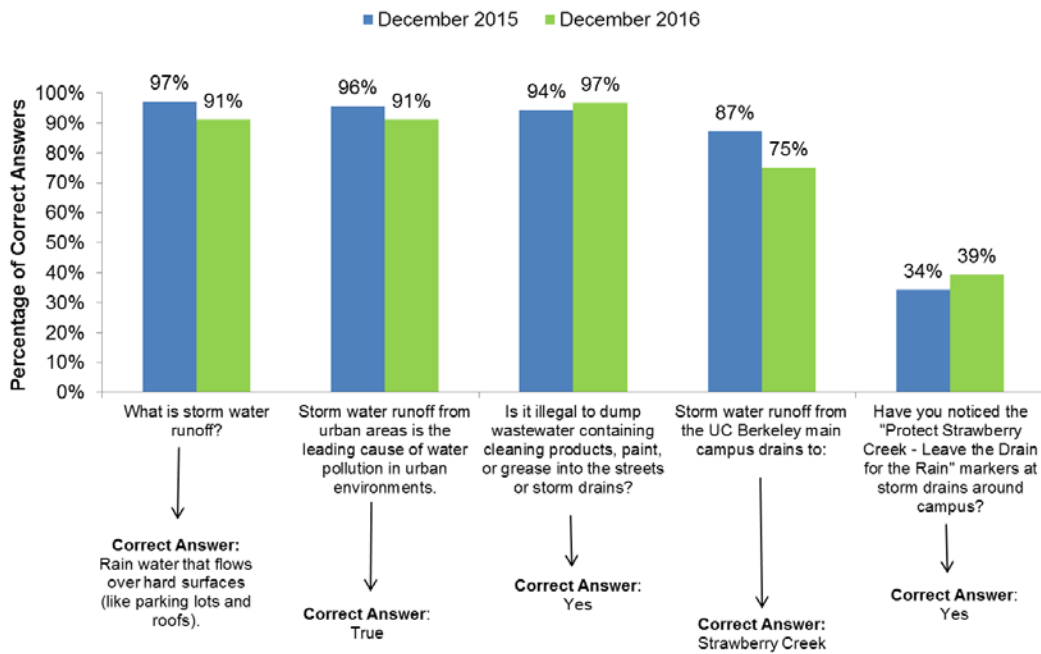


Table 1: UC Berkeley Storm Water Survey

1. What is storm water runoff?

- a) Rain water that soaks into the ground.
- b) Rain water that flows over hard surfaces (like parking lots and roofs).
- c) Water in the sewage system.
- d) Don't know.

2. Storm water runoff from urban areas is the leading cause of water pollution in urban environments.

- a) True
- b) False

3. Which of the following are major water quality issues for the San Francisco Bay Area? (Select all that apply)

- a) Trash
- b) Turbidity (muddy water)
- c) Chloramines from drinking water
- d) Sewage
- e) Don't know

4. Is it illegal to dump wastewater containing cleaning products, paint, or grease into the streets or storm drains?

- a) Yes
- b) No

5. Which of the following are not allowed to flow to a UC Berkeley storm drain? (Select all that apply)

- a) Rain water
- b) Water from pressure washing or other maintenance activities
- c) Water from car washing
- d) Clean drinking water

6. What should you do about a chemical or sewage spill that is flowing to a storm drain or in the creek? (Select all that apply)

- a) Do nothing - someone else must be taking care of it.
- b) Call EH&S at (510) 642-3073 and/or the UC Police Department to report the spill.
- c) If you are trained and it is safe to do so, try to stop the spill and clean up the area.

7. Storm water runoff from the UC Berkeley main campus drains to:

- a) EBMUD wastewater treatment plant
- b) Strawberry Creek
- c) Codornices Creek
- d) Don't know

8. Have you noticed the "Protect Strawberry Creek - Leave the Drain for the Rain" markers at storm drains around campus?

- a) Yes
- b) No

9. How are you connected with UC Berkeley?

- a) Student
- b) Staff
- c) Faculty/researcher
- d) Community (resident, alumni)
- e) Contractor working on UC property

10. If you are staff, faculty or a contractor working on UC Berkeley property, have you been trained on storm water pollution prevention as part of your job?

- a) Yes
- b) No
- c) Not applicable - I am a student or community member

(The following two questions were offered in the December 2016 survey only.)

11. If you would like to enter a raffle to win a limited-edition Creeks of UC Berkeley mug and prize package, please enter your email address here.

12. Would you like to receive occasional emails about volunteer events and education opportunities on the creek?

- a) Yes, sign me up!
- b) No, thanks.