

## Public Opinion Poll

We are conducting a public opinion poll as part of our class at California State University Channel Islands. Thank you for consenting to participate by completing this brief questionnaire. The survey takes approximately 13 minutes to finish. It will be used to gauge public opinion about topics we are discussing in our class. If you have any questions or are interested in our results, please contact our professor Dr. Sean Anderson (Sean.Anderson@csuci.edu). Thank you again!

1. Do you know of any “wetlands” (marshes, bogs, swamps, *etc.*) within 50 miles of your home?

Yes                       No                       I don't know

2. How old were you when your first visited a beach? \_\_\_\_\_

3. Is coastal flooding a major concern for you?     Yes     No     I don't know

4. Governor Brown's proposal to halve the amount of gasoline used in California by 2030 recently failed. Are policies like this something our elected representatives should be pursuing?

Yes                       Maybe                       No                       I don't know

5. How much daily impact has the drought had on you and your family?

major impact     minor impact     no impact     I don't know

6. Global Climate Change is a major problem we need to address now. (choose only one)

agree                       disagree                       don't know / unsure

7. If we define “the coast” as all the areas within 10 miles of the ocean, how much money would you estimate you spent at the coast in the past 7 days (gas, food, entertainment, *etc.*)? \_\_\_\_\_

8. How much of a threat to California's coastal areas (beaches, oceans, estuaries, *etc.*) are the following: (please rank these options from 1 thru 4; 1 = greatest threat and 4 = lowest threat)

- Pollution
- Exotic plants and animals
- Excessive hunting/fishing/collecting
- Habitat fragmentation/destruction

9. I use the following sources for my news: (choose all that apply)

newspaper (print)     magazine (print)     TV     radio     internet: news site  
 internet: social media (FB, twitter, *etc.*)     other (\_\_\_\_\_)     I don't know

10. How have California's wetlands changed over the last 150 years? (choose only one)

decreased                       stayed about the same                       increased                       I don't know

11. If you believe wetlands have changed, by how much have they increased or decreased?

(choose only one)

1-20%     21-40%     41-60%     61-80%     81-100%

12. When I purchase seafood in a market or restaurant, I ask where it comes from: (choose one)

- always or nearly always  
 occasionally  
 rarely  
 never
- I do not eat seafood  
 don't know / unsure

13. Overall, California is adequately managing our coastal and marine resources. (choose only one)

- agree  
 disagree  
 I don't know / unsure

14. The correct response to Hurricane Katrina-spurred flooding of New Orleans was/is to rebuild:

(choose only one)

- entire city  
 most of the city  
 parts of the city  
 none of it  
 I don't know / unsure

15. Offshore oil drilling off of the California coast should be: (choose only one)

- expanded  
 reduced  
 continued as now (only existing leases drilled/pumped)  
 eliminated  
 I don't know / unsure

16. Which of the following institutions have you heard of? (mark all that apply)

- California Coastal Commission  
 California Coastal Conservancy  
 California Dept. of Boating & Waterways  
 National Oceanic & Atmospheric Administration  
 Santa Monica Bay Restoration Commission  
 Santa Monica Mountains Conservancy  
 Bureau of Ocean Energy Management  
 Bureau of Safety & Environmental Enforcement  
 Rotation Commission for Ocean Protection (aka Solkov Commission)
- Mountains Recreation & Conservation Authority  
 Calif. Ocean Protection Council  
 California State Lands Commission  
 Coast Guard  
 Bureau of Ocean Restitution  
 Pacific Fishery Management Council  
 Western Occidental Ocean Authority  
 Clean Seas

17. When was the last time you visited any of the California Channel Islands (either the island itself or the surrounding waters)? (choose only one)

- within the last 24hrs  
 within the last year  
 within the last week  
 more than a year ago  
 within the last six months  
 never been to any

18. If you have visited any of the Channel Islands, which were they? (mark all that apply)

- San Miguel  
 Santa Barbara  
 Santa Rosa  
 San Nicolas  
 Santa Cruz  
 San Clemente  
 Anacapa  
 Santa Catalina

19. The health of California's coastal ocean is better now than 60 years ago. (choose one)

- agree  
 disagree  
 I don't know / unsure

20. California's marine fisheries are healthier and more abundant now than 60 years ago.

(choose one)

- agree  
 disagree  
 I don't know / unsure

21. It is safe to eat seafood from:

Gulf of Mexico:  agree  neutral  disagree  unsure / I don't know  
Santa Barbara:  agree  neutral  disagree  unsure / I don't know  
California (outside  agree  neutral  disagree  unsure / I don't know  
of Santa Barbara)  
Alaska:  agree  neutral  disagree  unsure / I don't know  
Japan:  agree  neutral  disagree  unsure / I don't know  
China:  agree  neutral  disagree  unsure / I don't know  
Norway:  agree  neutral  disagree  unsure / I don't know  
Thailand:  agree  neutral  disagree  unsure / I don't know

22. After the 2011 tsunami-induced meltdown of the Japan's Fukushima Dai-ichi nuclear power plant, my attitude towards nuclear power plants in the coastal zone:

became less supportive  didn't change  became more supportive  unsure

23. The San Onofre Nuclear Generating Station in Orange County has been shut down since 2012 due to extensive wear of hundred of cooling rods and a very small radiation leak. Since this San Onofre problem, my attitude towards nuclear power plants in the coastal zone:

became less supportive  didn't change  became more supportive  unsure

24. Which of the following should be used in determining the value of natural areas?

(mark all that apply)

Natural Beauty  Ecology  Uniqueness  Endangered Species  
 Economics  Recreation  other (\_\_\_\_\_)

25. Current laws protecting endangered species need to be: (choose only one)

eliminated  made less severe  kept the same  expanded  I don't know

26. How often do you visit natural areas (e.g. forests, beaches, mountains)? (choose one)

daily  monthly  once a year  
 weekly  a few times a year  less than once a year

27. How often do you visit southern California beaches? (choose one)

daily  monthly  once a year  
 weekly  a few times a year  less than once a year

28. My ideal beach would: (choose as many as apply)

have no/few people vs.  have lots of people  
 have primarily fine, sugary sand vs.  have lots of rocks, driftwood, kelp, etc.  
 have lots of easy, free parking vs.  have no or limited public parking  
 have no birds or animals vs.  have all kinds of birds, seals, etc.  
 have no dogs vs.  allow dogs to run around off leash  
 groomed/raked daily vs.  have a wild, "natural" look to it  
 stretch to the horizon vs.  be tucked inside a little, secluded cove  
 have lots of concessions vs.  have no food sales, bathrooms, etc.  
 have lots of children vs.  have no/few children  
 have a great surf break vs.  be protected with only gentle waves  
 be an easy walk from my car vs.  be a challenging hike down a steep cliff  
 have people fishing vs.  have no fishermen

29. How influential are the following when you are deciding which particular beach to visit?  
(check one option per row)

factor	very important	somewhat important	slightly important	unimportant	never crosses my
# of people likely to be at the beach					
feel/ <b>texture</b> of the sand					
amount of <b>trash</b>					
<b>natural debris</b> (kelp wrack, driftwood, <i>etc.</i> )					
abundance or diversity of <b>wildlife</b> (birds, seals, <i>etc.</i> )					
<b>parking</b> options					
<b>amenities</b> (food stalls, bathrooms, <i>etc.</i> )					
<b>surf</b> /currents					
<b>distance</b> from your home/work					
<b>ease</b> of access					
<b>fishing</b>					
<b>volleyball</b> courts					
on duty <b>lifeguards</b>					
<b>health warnings</b> /water quality					
<b>dog-friendly</b>					
<b>type of people</b> who might be at the beach					
presence of <b>oil or tar</b> (oil smell, tar patches, <i>etc.</i> )					

30. When do you recall California last increasing the gas tax we pay at the pump? \_\_\_\_\_

31. What was the last natural area (*e.g.* a forest, a beach, a mountain) you visited before today?  
\_\_\_\_\_

32. Have you ever heard of Marine Protected Areas (MPAs)? \_\_\_ Yes \_\_\_ No \_\_\_ I don't know

33. Which phrase best characterizes the motivations of most scientists? (choose only one)

- \_\_\_ objectively seek to understand nature
- \_\_\_ engage in obscure activities, often of little use to people
- \_\_\_ pursue their own interests, often ignorant of the consequences of their work
- \_\_\_ want to influence public policy

34. I typically eat seafood: (choose only one)

- \_\_\_ daily
- \_\_\_ weekly
- \_\_\_ monthly
- \_\_\_ a few times a year
- \_\_\_ once a year
- \_\_\_ never

35. Over the past 7 days, how many ounces of seafood did you eat (note: a serving the size of a deck of playing cards weighs about 3 ounces)? Approximately \_\_\_\_\_ ounces.

36. Commercial fishing off of California's coast is:

- \_\_\_ overregulated
- \_\_\_ regulated about right
- \_\_\_ underregulated
- \_\_\_ I don't know

37. Which recreational activities have you engaged in at (or near) the coast in the past 6 months?  
(mark all that apply)

sailing     power boating     BBQ/fires     camping     surfing     diving  
 playing     exercising     swimming     wildlife viewing     riding horses  
 fishing     spear fishing     drinking/dining     attending sport event     hunting  
 ORVing     walking/hiking     sun bathing     attending music/theater/art event  
 kayaking     driving for the fun of it     paint/photography     other (\_\_\_\_\_)

38. Which approaches to protect fish and shellfish populations are you familiar with?  
(mark all that apply)

seasonal closures     size limits     gear limitations     marine reserves (or MPAs)

39. What do you think of marine aquaculture (also called mariculture or fish farming)?  
(choose only one)

should be expanded everywhere     should be reduced everywhere  
 should be reduced for many species / many places     should be eliminated everywhere  
 should be increased for many species / many places     don't know / unsure

40. How much of a threat to California's fish and shellfish are the following:  
(please rank these options from 1 thru 6; 1 = greatest threat, and 6 = lowest threat)

Pollution     Habitat fragmentation/destruction  
 Exotic plants and animals     Ocean acidification  
 Excessive hunting/fishing/collecting     Temperature changes

41. The joint BP-federal response to the *Deepwater Horizon* oil spill in the Gulf of Mexico was:  
 excellent     good     neutral     bad     horrible     I don't know

42. The potential use of small, private aerial drones in coastal California would be:  
 very bad     bad     I'm neutral     good     very good     I don't know/unsure

43. Last time you went to the beach, how far did you travel to get there (in miles)? \_\_\_\_\_

44. Who is primarily to blame for the *Deepwater Horizon* oil spill in the Gulf of Mexico:  
(mark all that apply)

BP     Haliburton / other subcontractors     federal government (regulators)  
 federal government (congress)     federal government (President)  
 state governments     American consumers     no one/was an accident     I don't know

45. After the *Deepwater Horizon* oil spill, my attitude towards offshore oil and gas drilling:  
 became less supportive     didn't change     became more supportive     unsure

46. The joint industry-government response to the 2015 *Refugio Oil Spill* in Santa Barbara was:  
 excellent     good     neutral     bad     horrible     I don't know

47. Who is primarily to blame for the 2015 *Refugio Oil Spill* oil spill:    (mark all that apply)

Plains All American (pipeline operators)     federal government (regulators)  
 federal government (congress)     state government     county government  
 American consumers     environmentalists     no one/was an accident     I don't know

