

TO: Kevin Goodson

FROM: Jeannie Sifneos, Ginny Lesser

DATE: May 3, 2013

RE: Interpreting output for domains created for ODFW: Summaries were created for four subpopulations or domains. These domains were composed of people who fished in the North Coast, Mid-Coast, Umpqua, and Mid-South.

Kevin,

There were 2156 partial and complete surveys that were analyzed for the overall analysis. However, this interpretation is for the output from a domain analysis (n=1264), which is composed of respondents who fished in four sub basins: the North Coast (n=310), Mid-Coast (n=361), Umpqua (n=239) and Mid-South (n=354). The remaining 892 respondents (2156-1264) either fished in other basins (53), provided a blank table in response to Q18 (60), did not respond to Q18 (14), or responded No (723) or No Response (42) to Q17. This memo includes some interpretation of the domain analysis output for Questions 3 and 5. Question 3 is a categorical response (YES or NO) and Question 5 is a numerical question.

Question 3: The first 3 rows of the table entitled *Statistics* in the SAS output for Question 3 summarize the overall results and therefore are the same results as those for Question 3 provided to you in the report (Appendix C-1; page 98). For the domain analysis, analyses are then provided for subbasins. The next four lines of output in the *Statistics* table for subbasin provide an adjustment to the weight. "N" is the number of respondents in each sub basin, mean is the weight accounting for the domain analysis, and columns for the std error of mean and a 95% CL for the mean follow. I am not sure why this is presented in the output since it does not provide input into the interpretation of this analysis. The results are then provided for Question 3 for each of the four sub basins denoted as *Domain Analysis: subbasin*. The total number of responses for each sub basin listed in the column labeled "N" corresponds to the total number of respondents for the subregion. This information is summarized below for Question 3.

Question 5: The presentation of the results in the SAS output for Question 5 is slightly different. A series of tables are included entitled *Statistics* and *Domain Analysis: subbasin*. The first row of the *Statistics* table output provided for Question 5 (parts a-e) summarizes the overall results and therefore has the same results as those found for Question 5 (Appendix C-1; page 100). The four lines that follow in the *Statistics* table provide the same adjustment to the weight as shown for Question 3. These same numbers appear for all questions.

In the *Domain Analysis: subbasin* table, there are 2 rows associated with each sub basin. For the first row, 'N' denotes the number of respondents for this question and the 'N' in the 2<sup>nd</sup> row denotes the number of respondents overall for the sub basin. These numbers can differ for any question due to non-response. For Question 5 specifically, we included only those respondents whose percent of time spent fishing in each of the 5 areas totaled 100%. For this reason, the "N" in the first row is less than the total "N" for the sub basin.

In the table relating to Question 5 below, the column entitled "Pacific Ocean" lists the percent of time people fished in the Pacific Ocean for the overall data and for each sub basin. For example, the respondents whose most fished basin fell into the North Coast category spent 7.7% of their time fishing in the Pacific Ocean.

**Question 3. Did you fish recreationally in Oregon anytime in the last year from January 1, 2012 to December 31, 2012?**

	n	No (%)	Yes (%)	No Response (%)
overall	2156	119 (5)	2025 (94)	12 (1)
Sub basin (n)				
North Coast (310)	310	2 (0)	307 (100)	1 (0)
Mid-Coast (361)	361	2 (1)	357 (98)	2 (1)
Umpqua (239)	239	2 (1)	236 (99)	1 (0)
Mid-South (354)	354	2 (0)	352 (100)	0 (0)

**Question 5. ...what percent of your time from January 1, 2012-December 31, 2012 did you fish in each of the 5 areas listed?**

	n	<u>Pacific Ocean</u>	<u>Coastal basins</u>	<u>Columbia River</u>	<u>Willamette Valley and Cascades</u>	<u>Eastern Oregon</u>
overall	2137	9.1	53.7	7	22.8	7.4
Sub basin (n)						
North Coast (310)	268	7.7	40.7	12.6	28.2	10.9
Mid-Coast (361)	325	10.8	55.7	3.9	25	4.6
Umpqua (239)	216	7.7	65.3	1.6	16.2	9.1
Mid-South (354)	330	11.3	74.6	0.7	10.7	2.7