

Date: June 11, 2018

To: Daniel Cozad and PEOC

From: Charles Gardiner and Mary Currie, The Catalyst Group

RE: For Discussion at June 2018 PEOC Call - Parry Klassen's Turlock Groundwater Basin Video

On December 4, 2017, Parry Klassen recorded a presentation to the East San Joaquin Water Quality Coalition. The presentation included Parry Klassen, Tim Moore, Tess Dunham, and Richard Meyerhoff talking about what is being done through the CV-SALTS initiative and the Central Valley Regional Water Quality Control Board to modify the regulations for nitrates and salts. The recording is one hour and 17 minutes.

With attention spans dwindling to just a few minutes on a given subject, the PEOC asked The Catalyst Group to review the footage to see if there were meaningful topic segments that could be edited into standalone pieces. Two footage logs were created from which a mini-library of topics would be created for someone to be able to choose a topic to view. In Option 1, there are up to 27 standalone segments, Among the 27, some are better than others, so the number of segments could be reduced to the "best" picks or whatever combination the PEOC prefers. Additionally, a shorter list of 18 topic segments are also provided under Option 2. Richard Meyerhoff's presentation was not logged as his presentation is focused on salinity.

Catalyst obtained two cost estimates from video editors to create 27 individual topic segments. The two cost estimates include adding a title page to each segment. The two estimates were \$3500 and \$600. The high estimate is from a professional editor using higher end equipment. The second bid is from a professional that primarily focuses on web-based video editing.

OPTION 1: More, Shorter Topic Segments

Tim Moore – Topic Segments

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| 1. Water Quality Standards in California | 1:41 to 2:25 |
| 2. Drinking Water Standards for Salts and Nitrates | 2:26 to 5:43 |
| 3. Salt and Nitrate Contamination in Groundwater Basins | 5:45 to 7:03 |
| 4. High Priority Areas (Salt and Nitrate) in the Central Valley | 7:05 to 8:40 |
| 5. Turlock Basin: Salt & Nitrate Contamination Status | 8:41 to 10:29 |
| 6. Turlock Basin: In Top 6 Challenged GW Basins for Nitrates | 10:30 to 11:56 |
| 7. Big 6 GW Basins Critically Challenged for Nitrates | 12:00 to 12:44 |
| 8. Turlock Basin: Perfect Storm = Nitrates, Domestic Wells, DACs | 12:47 to 15:14 |
| 9. State and Regional Board Recent Actions Re: Water Quality | 15:25 to 19:48 |
| 10. What Does it Mean to Come into Compliance with Current Regs? | 19:53 to 21:56 |
| 11. Good Water Quality Now, Avoid Degradation | 21:56 to 22:50 |
| 12. Turlock Basin: What Does this Mean for Turlock Basin | 22:51 to 24:30 |
| 13. CVSALTS: Alt. Compliance, Local Control, Providing Drinking Water | 24:31 to 28:35 |
| 14. Turlock Basin: Start planning now, submit grant application,
How will it work, How will you organize? Align with GSAs? | 28:36 to 32:34 |

Tess Dunham – Topic Segments

1. Intro	33:59 to 35:34
2. Management Goals (of the SNMP)	35:35 to 37:46
3. New and Revised Regional Board Authorities for Nitrates	37:47 to 39:56
4. Nitrate Management Strategy Timeline	39:57 to 43:42
5. Priority Basins – The Top Six	43:43 to 44:58
6. Nitrate Permitting Strategy: Two Options (Individual & MZs)	44:59 to 47:41
7. Management Zone Characteristics, Natural Connection to GSA	47:42 to 49:14
8. Management Zone Timeline	49:15 to 52:15
9. Preliminary Management Zone Proposal includes	52:16 to 53:32
10. SB 623 and Funding for CV-SALTS/Management Zones	53:33 to 56:36
11. Early Action Plans (EAP) identify how to get drinking water	56:37 to 58:12
12. Final Management Zone Proposal	58:13 to 58:53
13. Management Zone Implementation Plan	58:53 to 59:40

OPTION 2 – Fewer, Slightly Longer Topic Segments

Tim Moore – Topic Segments

1. Water Quality Standards, Standards for Salts and Nitrates	1:41 to 5:43
2. Salt and Nitrate GW Contamination, High Priority Areas	5:45 to 8:40
3. Turlock Basin: Salt & Nitrate Contamination Status and the Big 6	8:41 to 12:44
4. Turlock Basin: Perfect Storm = Nitrates, Domestic Wells, DACs	12:47 to 15:14
5. State and Regional Board Recent Actions Re: Water Quality	15:25 to 19:48
6. Compliance with Current Regs, Need Good Water Quality Now	19:53 to 22:50
7. Turlock Basin: What Does this Mean for Turlock Basin	22:51 to 24:30
8. CVSALTS: Alt. Compliance, Local Control, Providing Drinking Water	24:31 to 28:35
9. Turlock Basin: Start planning now, submit grant application,	
10. How will it work, How will you organize? Align with GSAs?	28:36 to 32:34

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1. Intro/ Management Goals (of the SNMP)	33:59 to 37:46
2. New and Revised Regional Board Authorities for Nitrates and Nitrate Management Strategy Timeline	37:47 to 43:42
3. Priority Basins – The Top Six	43:43 to 44:58
4. Nitrate Permitting Strategy: Two Options (Individual & MZs)	44:59 to 47:41
5. Management Zones: Characteristics, Natural Connection to GSA Timeline and Preliminary Management Zone Proposal	47:42 to 53:32
6. SB 623 and Funding for CV-SALTS/Management Zones	53:33 to 56:36
7. Early Action Plans, Final Management Zone Proposal, and Management Zone Implementation Plan	56:37 to 59:40
8. Summary	59:41 to 1:00:27