

Attachment 6

Preliminary Draft Report Staff Recommendations for Agricultural Order

List of References Consulted and/or Cited For Preliminary Draft Agricultural Order

Surface Water Information

Bay Protection and Toxic Hot Spot Cleanup Program (BPTCP). 1998. Central Coast Regional Toxic Hot Spot Cleanup Plan. 93 pp.

Central Coast Long-term Environmental Assessment Network (CCLEAN) Program Overview, 2001 – 2006. January 31, 2007. P.O Box 8346, Santa Cruz, CA 95061.

Dugan, J.E., G. Ichikawa, M. Stephenson, D. Crane, J. McCall, K. Regalado. 2005. Monitoring of Coastal Contaminants using Sand Crabs. Prepared for the Central Coast Regional Water Quality Control Board.

“Final Follow-up Water Quality Monitoring Report: Continuous Monitoring of Flows.” August 14, 2009. Central Coast Water Quality Preservation, Inc.

Lane, J.Q., D.M. Paradies, K.R. Worcester, R. M. Kudela. Description of freshwater eutrophic sources to Monterey Bay, California, with categorization according to nutrient ratio characteristics. Poster presentation at Coastal and Estuarine Research Federation (CERF) Conference, Portland, OR, Nov 2 - 5.

Moyle, P. B. Inland Fishes of California. 1976. University of California Press.

Ng, C. M., D. P. Weston, J. You, M.J. Lydy. 2008. Patterns of Pyrethroid Contamination and Toxicity in Agricultural and Urban Stream Segments. Published in: Synthetic Pyrethroids: Occurrence and Behavior in Aquatic Environments. Gan, J., Spurlock, F., Hendley, P. and Weston, D. (editors). American Chemical Society Symposium Series 991, American Chemical Society, Washington, D.C. pp. 355-369.

Starner, K., J. White, F. Spurlock and K. Kelley. 2006. Pyrethroid Insecticides in California Surface Waters and Bed Sediments: Concentrations and Estimated Toxicities. California Department of Pesticide Regulation. Sacramento, CA 95812.

United States Environmental Protection Agency. 1999 Update of Ambient Water Quality Criteria for Ammonia. EPA #822R99014.

Groundwater Quality Information

Alley, W.M., 1993. Regional Ground-Water Quality. Van Nostrand Reinhold, New York NY

Burge, Stephany, and Rolf Halden, Nitrate and perchlorate Removal from Groundwater by Ion Exchange Pilot Testing and Cost Analysis, Lawrence Livermore National Laboratory, University of California, Livermore, California, September 8, 1999.

Brinsfield, R. B., and K. W. Staver, Addressing groundwater quality in the 1990 farm bill: Nitrate contamination in the Atlantic Coastal Plain, Journal of Soil and Water Conservation, March 1990, vol 45., no. 2, 285-286.

Department of Water Resources, 2003. California's Groundwater Update, Central Coast Hydrologic Region

DeSimone, L.A., 2009, Quality of water from domestic wells in principal aquifers of the United States, 1991–2004: U.S. Geological Survey Scientific Investigations Report 2008–5227, 139 p., available online at <http://pubs.usgs.gov/sir/2008/5227>

Lewandowski, A.M., B.R. Montgomery, C.J. Rosen, and J.F. Moncrief, Groundwater nitrate contamination costs: A survey of private well owners, Journal of Soil and Water Conservation, May 2008, vol. 63, no. 3, 153-161.

MACTEC Engineering and Consulting, Inc, Llagas Subbasin Cleanup Feasibility Study – Revised Olin/Standard Fusee Site, 425 Tennant Avenue, Morgan Hill, California, December 6, 2006

Monterey County Flood Control and Water Conservation District, November 1990. "Report of the Ad Hoc Salinas Valley Nitrate Advisory Committee." Zidar, Snow, and Mills.

State Water Resources Control Board, 2005. California GAMA Program: Sources and Transport of nitrate in shallow groundwater in the Llagas Basin of Santa Clara County, California.

Thomas Harter, 2003. Agricultural Impacts on Groundwater Nitrate, Southwest Hydrology, Vol 8/No.4, July/August.

Ward, M.H., Mark S.D., Cantor K.P., et al., Drinking Water Nitrate and the Risk of Non-Hodgkin's Lymphoma, *Journal of Epidemiology and Community Health*, 1996, Vol. 7, pgs 465-471.

Weyer, Peter, Nitrate in Drinking Water and Human Health, 2001, <http://www.agsafetyandhealthnet.org/Nitrate.PDF>

http://www.waterboards.ca.gov/centralcoast/board_info/agendas/2009/oct/item_12/index.sht

Aquatic Habitat and Riparian Protection Information

Advisory Team for the California Wetland and Riparian Area Protection Policy, California State Water Resources Control Board, Sacramento, CA

California Department of Fish and Game 2003. California Salmonid Stream Habitat Restoration Manual; Part XI Riparian Habitat Restoration.

Comer, P., K. Goodin, A. Tomaino, G. Hammerson, G. Kittel, S. Menard, C. Nordman, M. Pyne, M. Reid, L. Sneddon, and K. Snow. 2005. Biodiversity Values of Geographically Isolated Wetlands in the United States. NatureServe, Arlington, VA. 2005. http://www.natureserve.org/library/isolated_wetlands_05/isolated_wetlands.pdf

DWR (California Department of Water Resources). 2003. California's Groundwater Update 2003. Bulletin 118. www.groundwater.water.ca.gov/bulletin118/.

Estabrook, B. 2008. Politics of the plate: greens of wrath. *Gourmet*. November 2008. <http://www.gourmet.com/magazine/2000s/2008/11/politics-of-the-plate-contaminated-greens?currentPage=1>

Fisher, J., and M.C. Acreman. 2004. Wetland nutrient removal: a review of the evidence. *Hydrology and Earth System Sciences* 8(4): 673–685.

Fischer, R. A. and J. C. Fischenich. 2000. Design recommendations for riparian corridors and vegetated buffer strips. EMRRP Technical Notes Collection (ERDC TN-EMRRP-SR-31). U.S. Army Engineer Research and Development Center, Vicksburg, MS.

Freeman, Mary C., Catherine M. Pringle, and C. Rhett Jackson, 2007. Hydrologic Connectivity and the Contribution of Stream Headwaters to Ecological Integrity at Regional Scales. *Journal of the American Water Resources Association (JAWRA)* 43(1):5-14. DOI: 10.1111/j.1752-1688.2007.00002.x

Mayer, T.D. 2005. Water-quality impacts of wetland management in the lower Klamath national wildlife refuge, Oregon and California, USA. *Wetlands* 25(3): 697–712.

Micheli, E.R., J.W. Kirchner, and E.W. Larsen. 2004. Quantifying the effect of riparian forest versus agricultural vegetation on river meander migration rates, central Sacramento River, California, USA. *River Research and Applications* 20: 536–548.

Naiman, R. J. 1992. *Watershed Management: Balancing Sustainability with Environmental Change*. Springer-Verlag, New York.

National Research Council. 2002. *Committee on Riparian Zone Functioning and Strategies for Management*, Water Science and Technology Board, National Research Council. *Riparian Areas: Functions and Strategies for Management*. The National Academies Press. 444 pages, 2002.

Palone, R.S., and A.H. Todd, eds. 1998. *Chesapeake Bay riparian handbook: A guide for establishing and maintaining riparian forest buffers, revised*. NA-TP-02-97. USDA Forest Service, Radnor, PA.

RCDMC, 2007. *A Grower Survey: Reconciling Food Safety and Environmental Protection*. Resource Conservation District of Monterey County, August 2007.

RCDMC, 2009. *Challenges to Co-Management of Food Safety and Environmental Protection: A Grower Survey*. Resource Conservation District of Monterey County, July, 2009.

RHJV (Riparian Habitat Joint Venture). 2004. *The riparian bird conservation plan: a strategy for reversing the decline of riparian associated birds in California*, ver. 2. California Partners in Flight.

SCPO, 2003. *County of Santa Clara Riparian Corridor Study: A Background Document for the Development of a Riparian Protection Ordinance for the County of Santa Clara*, Dated June 5, 2003. Prepared by the Planning Office Environmental Resources Agency, County of Santa Clara.

Slater, Dahska. 2009. Leaf and Let Die The price of bagged spinach. March/April 2009. *Sierra*. p. 27.

State Water Resources Control Board. *Project Discussion Paper: Policy to Protect Wetlands and Riparian Areas*, July 18, 2008
http://www.swrcb.ca.gov/water_issues/programs/cwa401/docs/wrapp2008/ceqa_scoping_discussion_0808jc2.pdf

TAT, 2009. *Technical Memorandum no. 2: Wetland Definition*, Final, Dated June 25, 2009. Produced by the San Francisco Estuary Institute for the Technical

The Pierce's Disease/Riparian Habitat Workgroup. 2000. Information Manual Riparian Vegetation Management for Pierce's Disease in North Coast California Vineyards. 9/1/2000.
http://www.cnr.berkeley.edu/xylella/control/PDNorthCoast/manual_section_iv.pdf

United States Environmental Protection Agency 2008) Watershed Academy Web Wetland Functions and Values <http://www.epa.gov/watertrain/wetlands/text.html> - Last updated September 12th, 2008.

United States Environmental Protection Agency, 2009. "Wetlands Functions and Values" January 14, 2009

United States Environmental Protection Agency and United States Geological Survey, 2009. NHDPlus User Guide, January 20, 2009.

Water Quality Standards and Criteria Information

Ali, A.M.S. (2004) Technological Change in Agriculture and Land Degradation in Bangladesh: A Case Study, *Land Degradation and Development*, 15:283-298.

Balough, Steven J., Michael L. Meyer and D. Kent Johnson (1998) Transport of Mercury in Three Contrasting River Basins, *Environmental Science Technology*, 32:456-462.

California Department of Food and Agriculture, Environmental (1998) Protocol to Examine Potential Sources of Carbofuran Residues in the Colusa Basin Drain

Domagalski, Joseph L. et al. (2008) Comparative Study of Transport Processes of Nitrogen, Phosphorus, and Herbicides to Streams in Five Agricultural Basins, USA, *Journal of Environmental Quality* 37:1158-1169.

Hicks, M (2000) Preliminary Review Draft Discussion Paper Evaluating Standards for Protecting Aquatic Life In Washington's Surface Water Quality Standards Temperature Criteria. Washington State Department of Ecology, Water Quality Program, Watershed Management Section. Olympia, Washington.

Holmgren, G.G.S., et al (1993) Cadmium, Lead Zinc, Copper, and Nickel in Agricultural Soils of the United States of America, *Journal of Environmental Quality* 22: 335-348.

Kinouchi, T., H. Yagi and M. Miyamoto(2007) Increase in Stream Temperature Related to Anthropogenic Heat Input from Urban Wastewater, Journal of Hydrology, 335:78-88.

Maqsood, Syed Azhar (1974) Determination of Algae Growth Potential in Natural Environment, Texas Tech University.

Moyle, P B (1976) Inland Fishes of California, University of California Press, Berkeley, Los Angeles, London

Logan, T.J. et al. (1999) "An Assessment of Health and Environmental Risks of Trace Elements and Toxic Organics in Land-Applied Municipal Solid Waste Compost", Compost Science and Utilization, Vol. 7, No.3, 38-53.

Pimentel, David et al (1997) Water Resources: Agriculture, the Environment, and Society Bioscience Vol. 42, No 2, 97-106.

Sax, N. Irving and Richard J. Lewix, Sr. (1987) Hawley's Condensed Chemical Dictionary. Van Nostrand Reinhold Company, New York.

Sipmann, S. and B. Finlayson. (2000) Water Quality Criteria for Diazinon and Chlorpyrifos. California Department of Fish and Game Pesticide Investigations Unit. Rancho Cordova, Ca.

State of California (1994), State Water Resources Control Board, California Regional Water Quality Control Board Central Coast Region, Water Quality Control Plan Central Coast Region (Basin Plan).

S:\Seniors\Shared\Agricultural Regulatory Program\Ag. Order 2.0\February 1 2010 Docs\Final Documents\Attachment 6- List of References 020110.doc