TABLE 1 - IRRIGATION AND NUTRIENT MANAGEMENT FOR GROUNDWATER PROTECTION		
	Option from March/May 2019	Location in Order
Phasing or Prioritization	Phasing	Order Part 1, Section B. <i>Phasing and Prioritization</i>
	Discharge Limit	Discharge Targets and Discharge Limits
Quantifiable Milestones*		Order Part 2, Section C.1. Nitrogen Discharge Targets and Limits
(Numeric	Application Limits	Application Limits
Limits)		Order Part 2, Section C.1. Fertilizer Application Limits
	Discharge Target (lbs/ac/ranch/year)	Discharge Target
	$A_{FER} + A_{IRR} - R$	Order Part 2, Section C.1. Quantifiable Milestones and Time Schedules
	OR A _{FER} = R	Order Table C.1-2 Time Schedule for Nitrogen Discharge Targets and Limits
Times	Discharge Limit (lbs/ac/ranch/year)	Discharge Limit
Time Schedule*	$A_{FER} + A_{IRR} - R$	Order Part 2, Section C.1. Quantifiable Milestones and Time Schedules
Scriedule	OR A _{FER} = R	Order Table C.1-2 Time Schedule for Nitrogen Discharge Targets and Limits
	Application Limit	Application Limit
		Order Part 2, Section C.1. Quantifiable Milestones and Time Schedules
		Order Table C.1-1 Time Schedule for Fertilizer Application Limits
	Irrigation & Nutrient Management Plan	Irrigation & Nutrient Management Plan
	Total Nitrogen Applied (TNA)	Total Nitrogen Applied (TNA)
	Removal	Order Part 2, Section C.1. Monitoring and Reporting
	Irrigation	MRP Section B. Total Nitrogen Applied (TNA) and Section C Irrigation and Nutrient
	Management Practices	Management Plan (INMP)
Monitoring		Barranad
and		Removal Order Part 2 Section C.1 Manitoring and Benerting
Reporting*		Order Part 2, Section C.1. Monitoring and Reporting MRP Section C. Irrigation and Nutrient Management Plan (INMP)
		Wike Section C. Impution and Nutrient Wanagement Flair (INWIF)
		Irrigation
		Order Part 2, Section C.1. Monitoring and Reporting
		MRP Section B. Total Nitrogen Applied (TNA), MRP Section C. Irrigation and Nutrient
		Management Plan (INMP), MRP Section D. Irrigation Wells

	TABLE 1 - IRRIGATION AND NUTRIENT MANAGEMENT FOR GROUNDWATER PROTECTION	
	Option from March/May 2019	Location in Order
		Management Practices
		Order Part 2, Section C.1. Irrigation and Nutrient Management for Groundwater
		Protection
		MRP Section F. Annual Compliance Form (ACF)
	Individual Discharge to Groundwater	Individual Discharge to Groundwater
	Discharge volume and concentration	Order Part 2, Section C.1. Monitoring and Reporting
		MRP Section D. Ranch-Level Groundwater Discharge
	<u>Drinking Water Supply Well</u>	<u>Drinking Water Supply Well</u>
		Order Part 2, Section C.1. Monitoring and Reporting
		MRP, Section D. <i>Domestic Wells</i>
	Groundwater Quality Trends	Groundwater Quality Trends
		Order Part 2, Section C.1. Monitoring and Reporting
		MRP Section D. <i>Groundwater Quality Trends</i>
ncentives	-Pump & fertilize	Pump & fertilize, compost, and increasing nitrogen removal
	-Compost nitrogen	Order Part 2, Section C.1. Nitrogen Discharge Targets and Limits
	-Increasing nitrogen removal	MRP Section B. Total Nitrogen Applied (TNA) and Section C Irrigation and Nutrient
	-Third parties	Management Plan (INMP)
		Third parties
		Order Part 2, Section C.1. Irrigation and Nutrient Management for Groundwater
		Protection - Nitrogen Discharge Targets and Limits
		Order Part 2, Section F. <i>Third Parties</i>
Definitions	-A _{FER} is the amount of nitrogen applied in	fertilizers, compost, and other amendments
_		ough the irrigation water based on the groundwater nitrate concentration
	$-A_{FER} + A_{IRR} = $ the total amount of nitrogen applied	
	-R is the amount of nitrogen removed through harvest, pruning, or other methods, plus nitrogen sequestered in permanent/semi-	
	permanent crops	3 ,, 3, 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	· ·	ncluded because they can help improve the effectiveness of the Order

Table 2 - IRRIGATION AND NUTRIENT MANAGEMENT FOR SURFACE WATER PROTECTION		
	Ag Order 4.0 - Updated Option	Location in Order
Phasing or Prioritization	<u>Prioritization</u>	Order Part 1, Section B. <i>Phasing and Prioritization</i>
Quantifiable Milestones* (Numeric Limits)	Receiving Water Limit and Discharge Limit Nitrate, as N; Ammonia (un-ionized), Orthophosphate, as P Application Limit	Receiving Water Limit and Discharge Limit Order Part 2, Section C.2. Quantifiable Milestones and Time Schedules. Application Limit Order Part 2, Section C.1. Fertilizer Application Limits
Time Schedule*	Receiving Water Limit and Discharge Limit TMDL Areas Other Areas	Receiving Water Limit and Discharge Limit (TMDL and Other Areas) Order Part 2, Section C.2. Quantifiable Milestones and Time Schedules Order Table C.2-1 Time Schedule for Nutrient Limits (TMDL) Order Table C.2-2 Time Schedule for Nutrient Limits (Non-TMDL)
	Irrigation Nutrient Management Plan & Report Discharge characteristics, management practices	Irrigation Nutrient Management Plan & Report Order Part 2, Section C.2. Irrigation and Nutrient Management for Surface Water Protection MRP Section B. Total Nitrogen Applied (TNA) and Section C Irrigation and Nutrient Management Plan (INMP) MRP Section F. Annual Compliance Form
Monitoring and Reporting*	Surface Water Quality Trends Follow-Up Receiving Water Monitoring	Surface Water Quality Trends Order Part 2, Section C.2. Monitoring and Reporting MRP Section E. Surface Water Quality Trends Follow-Up Receiving Water Monitoring Order Part 2, Section C.2. Monitoring and Reporting
	Individual Discharge to Surface Water Discharge flow rate and volume, discharge nutrient concentrations	MRP Section E. Follow-Up Surface Receiving Water Individual Discharge to Surface Water Order Part 2, Section C.2. Monitoring and Reporting MRP Section E. Ranch-Level Surface Discharge
Incentives	Third parties	Third parties Order Part 2, Section C.2. Monitoring and Reporting Order Part 2, Section F. Third Parties MRP Section E. Follow-up Receiving Water; Ranch-Level Surface Discharge
Definitions	*Required elements; other elements are include	ded because they can help improve the effectiveness of the Order

Table 3 - PESTICIDE MANAGEMENT FOR SURFACE WATER PROTECTION		
	Ag Order 4.0 - Updated Option	Location in Order
Phasing or Prioritization	<u>Prioritization</u>	Order Part 1, Section B. Phasing and Prioritization
Quantifiable	Receiving Water Limit and Discharge Limit	Receiving Water Limit and Discharge Limit
Milestones* (Numeric Limits)	Pesticide concentrations, toxicity tests, and toxic units	Order Part 2, Section C.3. Quantifiable Milestones and Time Schedules
Time Schedule*	Receiving Water Limit and Discharge Limit TMDL Areas Other Areas	Receiving Water Limit and Discharge Limit Order Part 2, Section C.3. Quantifiable Milestones and Time Schedules Order Table C.3-1 Time Schedule for Pesticide and Toxicity Limits (TMDL) Order Table C.3-2 Time Schedule for Pesticide and Toxicity Limits (Non-TMDL)
	Pesticide Management Plan & Report Application characteristics, discharge characteristics, management practices	Pesticide Management Plan & Report Order Part 2, Section C.2. Pesticide Management for Surface Water Protection MRP Section F. Annual Compliance Form
	Surface Water Quality Trends	Surface Water Quality Trends Order Part 2, Section C.2. Monitoring and Reporting MRP Section E. Surface Water Quality Trends
Monitoring and Reporting*	Follow-Up Receiving Water Monitoring	Follow-Up Receiving Water Monitoring Order Part 2, Section C.2. Monitoring and Reporting MRP Section E. Follow-Up Surface Receiving Water
	Individual Discharge to Surface Water Discharge flow rate and volume, discharge pesticide concentrations, discharge toxicity	Individual Discharge to Surface Water Order Part 2, Section C.2. Monitoring and Reporting MRP Section E. Ranch-Level Surface Discharge
	Drinking Water Supply Well	<u>Drinking Water Supply Well</u> Order Part 2, Section C.1. <i>Groundwater Monitoring</i>
Incentives	Third parties	Third parties Order Part 2, Section C.3. Monitoring and Reporting Order Part 2, Section F. Third Parties MRP Section E. Follow-up Receiving Water; Ranch-Level Surface Discharge
Definitions	*Required elements; other elements are included because they can help improve the effectiveness of the Order	

Table 4 - SEDIMENT AND EROSION MANAGEMENT FOR SURFACE WATER PROTECTION		
	Ag Order 4.0 - Updated Option	Location in Order
Phasing or	Prioritization	Order Part 1, Section B. Phasing and Prioritization
Prioritization		
Quantifiable	Receiving Water Limits and Discharge	Receiving Water Limit and Discharge Limit
Milestones*	<u>Limits</u>	Order Part 2, Section C.4. Quantifiable Milestones and Time Schedules
(Numeric	Turbidity	Order Part 2, Section C.4 Impermeable Surfaces
Limits)	Impermeable surfaces	
	Receiving Water Limit and Discharge Limit	Receiving Water Limit and Discharge Limit
Time	TMDL Areas	Order Part 2, Section C.4. Quantifiable Milestones and Time Schedules
Schedule*	Other Areas	Order Table C.4-1 Time Schedule for Sediment Limits (TMDL)
		Order Table C.4-2 Time Schedule for Turbidity Limits (Non-TMDL)
	Sediment & Erosion Management Plan	Sediment & Erosion Management Plan
	Discharge characteristics, management	Order Part 2, Section C.2. Sediment and Erosion Management for Surface Water
	practices, stormwater management, sizing	Protection
	and design of control measures	MRP Section F. Annual Compliance Form
	Surface Water Quality Trends	Surface Water Quality Trends
Monitoring		Order Part 2, Section C.2. Monitoring and Reporting
and		MRP Section E. Surface Water Quality Trends
Reporting*	Follow-Up Receiving Water Monitoring	Follow-Up Receiving Water Monitoring
	Tollow of Receiving Water Monitoring	Order Part 2, Section C.2. Monitoring and Reporting
		MRP Section E. Follow-Up Surface Receiving Water
	Individual Discharge to Surface Water	Individual Discharge to Surface Water
	Discharge flow rate and volume, discharge	Order Part 2, Section C.2. Monitoring and Reporting
	turbidity	MRP Section E. Ranch-Level Surface Discharge
Incentives	- Third parties	Third parties
		Order Part 2, Section C.4. Monitoring and Reporting
		Order Part 2, Section F. Third Parties
		MRP Section E. Follow-up Receiving Water; Ranch-Level Surface Discharge
Definitions		h as plastic mulch and hoop houses; here, impermeable surfaces do not refer to soils
2 311111111111	*Required elements; other elements are included because they can help improve the effectiveness of the Order	

Table 5 - RIPARIAN AREA MANAGEMENT FOR WATER QUALITY PROTECTION		
	Ag Order 4.0 – Updated Option	Location in Order
Phasing or	Prioritization	Order Part 1, Section B. Phasing and Prioritization
Prioritization		
	Setback Width and Native Vegetative Cover	Setback Width and Vegetative Cover
	Priority Areas	Order Part 2, Section C.5. Quantifiable Milestones, Time Schedules, and Monitoring and
		Reporting for Ranches in <u>Riparian Priority Areas</u> (four compliance pathways available)
Quantifiable		Order Table C.5-1, Table C.5-2
Milestones*		
(Numeric	Non-Priority Areas	Order Part 2, Section C.5. Quantifiable Milestones, Time Schedules, and Monitoring and
Limits)		Reporting for Ranches in <u>All Areas</u>
	<u>Prohibition</u>	<u>Prohibition</u>
		Order Part 2, Section C.5. Quantifiable Milestones, Time Schedules, and Monitoring and
		Reporting for Ranches in <u>All Areas</u>
	Setback Width and Native Vegetative Cover	Setback Width and Native Vegetative Cover Establishment
Time	<u>Establishment</u>	Order Part 2, Section C.5. Quantifiable Milestones, Time Schedules, and Monitoring and
Schedule*	Priority Areas	Reporting for Ranches in <u>Riparian Priority Areas</u> (four compliance pathways available)
Schedule		MRP Section F. Annual Compliance Form
	Setback Width Establishment	Setback Width Establishment
	Non-Priority Areas	Order Part 2, Section C.5. Quantifiable Milestones, Time Schedules, and Monitoring and
		Reporting for Ranches in <u>All Areas</u>
	Riparian Management Reporting	Riparian Management Reporting
Monitoring	<u>Individual Approaches</u>	Order Part 2, Section C.5. Quantifiable Milestones, Time Schedules, and Monitoring and
and	<u>Cooperative Approach</u>	Reporting for Ranches in Riparian Priority Areas (four compliance pathways available)
Reporting*		MRP success criteria tables
Reporting	Surface Water Quality Trends	Surface Water Quality Trends
	Bioassessment	MRP Section E. Surface Water Quality Trends
Incentives	-Cooperative Approach	Order Part 2, Section C.5 Four compliance pathways available, including Cooperative
		Approach
Definitions	-Riparian is defined as vegetation, habitat, or ecosystems that are associated with bodies of water (creeks, streams, or lakes) or are dependent on the existence of perennial, intermittent, or ephemeral surface or subsurface water drainage *Required elements; other elements are included because they can help improve the effectiveness of the Order	