Item 3 LATE ADDITION

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD LAHONTAN REGION

MEETING OF MAY 16-17, 2018 BISHOP

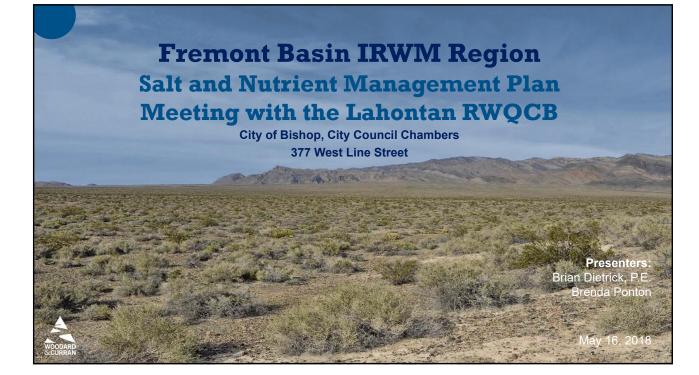
ITEM 3

OVERVIEW PROPOSED SCOPE OF WORK AND DEVELOPMENT OF A SALT AND NUTRIENT MANAGEMENT PLAN, FREMONT BASIN REGIONAL WATER MANAGEMENT GROUP

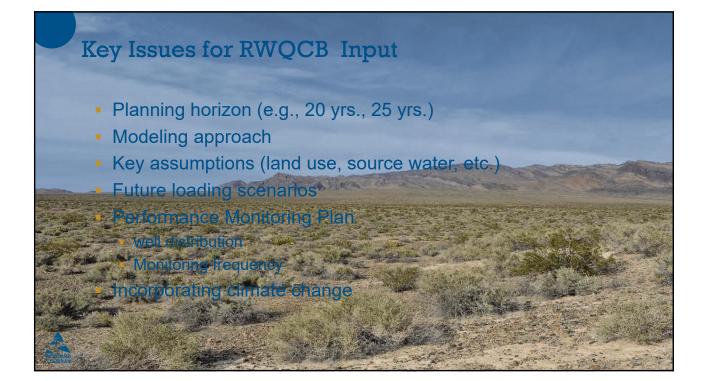
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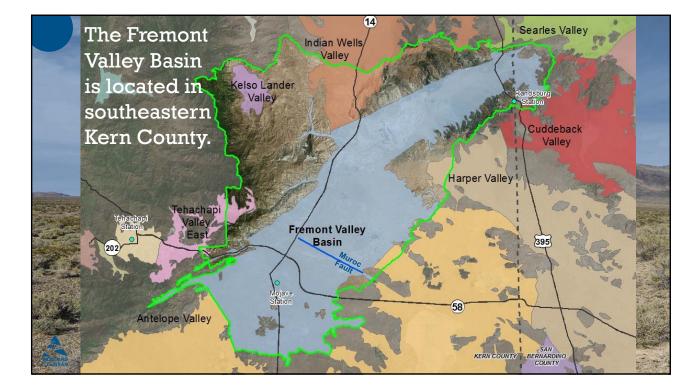
ENCLOSURE	ITEM	BATES NUMBER
2	Fremont RWMG presentation	3-12

ENCLOSURE 2



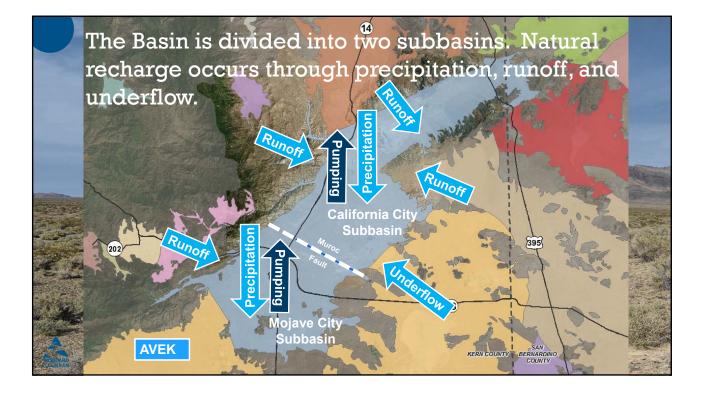


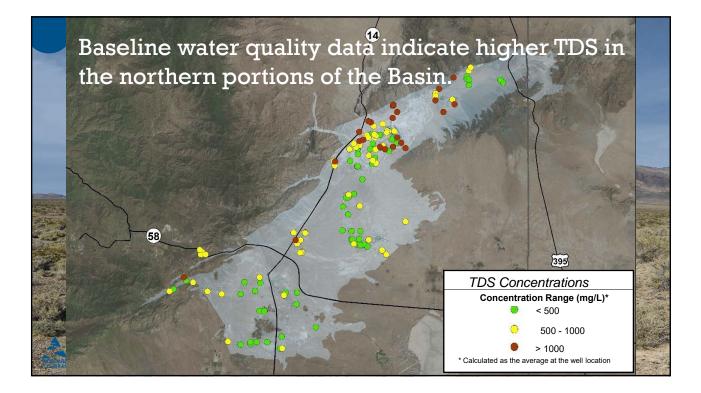


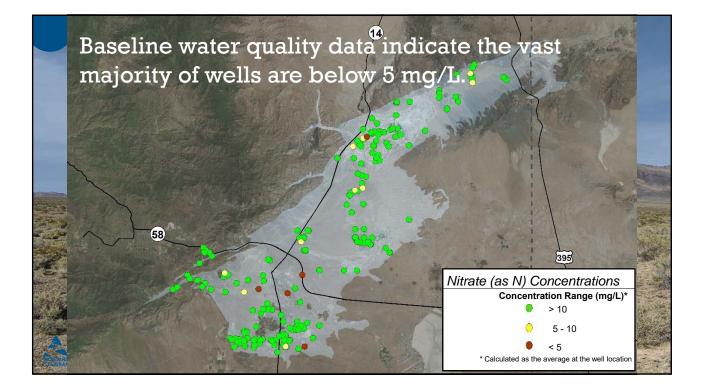


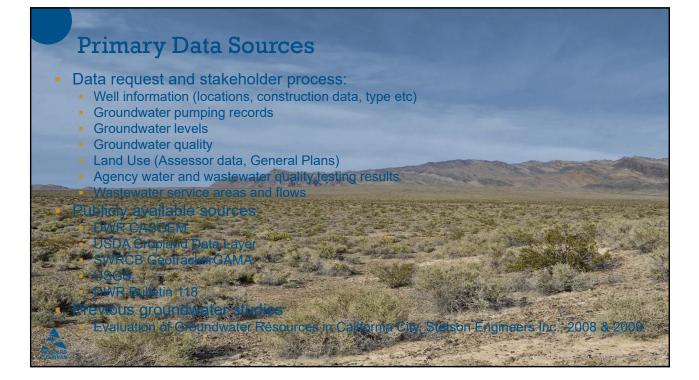
A GWMP and SNMP are being developed concurrently to inform components of the IRWMP

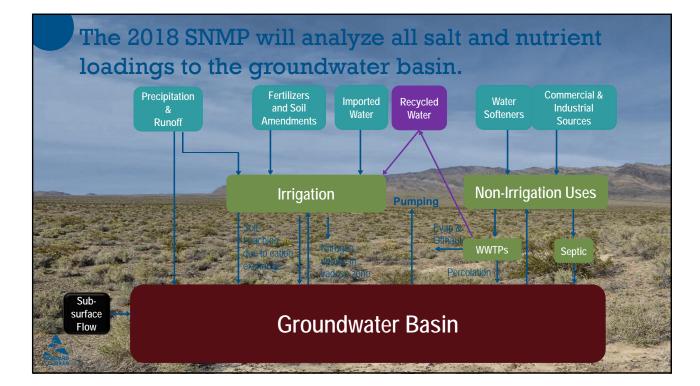
Salt and Nutrient Management Groundwater Management Plan (GWMP) Plan (SNMP) Detailed Basin Characterization Salt/Nutrient Loading Analysis Antidegradation Analysis Management Goals and Objectives Monitoring Program • Implementation Measures **IRWMP** Groundwater Levels/Supplies Groundwater Quality Projects Implementation Measures



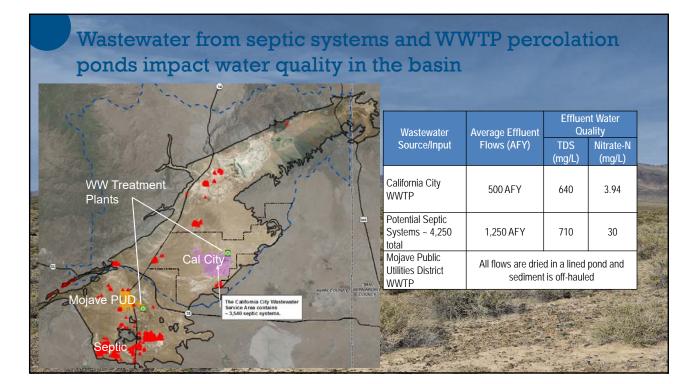




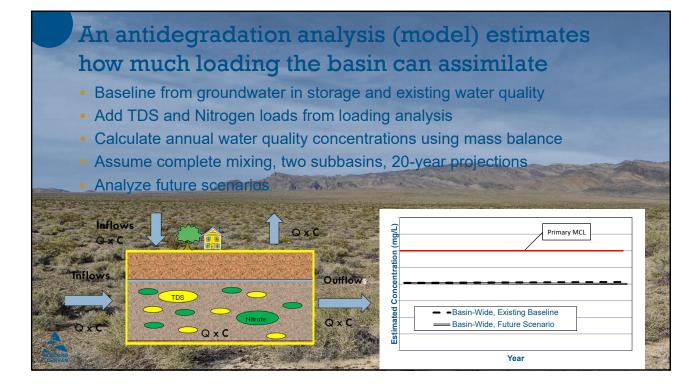


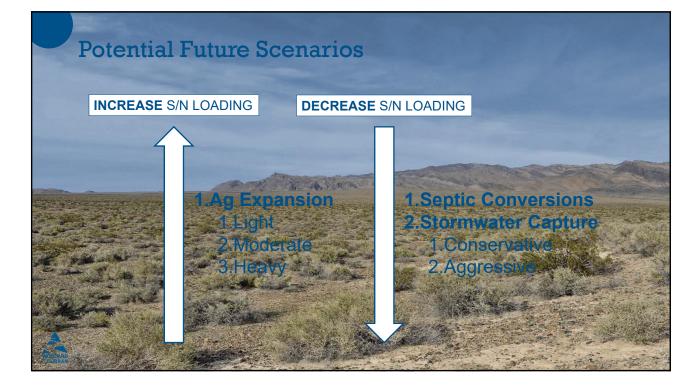


Existing land uses	Land Uses Category	Сгор Туре	Acres	% Cultivated / Landscaped ¹	N Application Rates ² (Ibs/acre-yr)	A NUCL OF
nutrient loading	Alfalfa	Alfalfa	64	100	10	
inutifient toauning	Pistachios	Pistachios	95	100	155	
	Park / Landscape		308	80		
	Rural Residential / Developed		766	5		1 1990 I
	Urban Commercial and Industrial	Turfgrass	12,366	5	45	
	Urban CI Low Impervious Surface		180	25		NAME OF TAXABLE
	Urban Residential		4,174	15		State of the
ma on an	Vacant/non-irrigated	None	586,635	-	-	ALC STA
1	. Typical, based on aerial r . Based on nationwide ave), or California average		;)









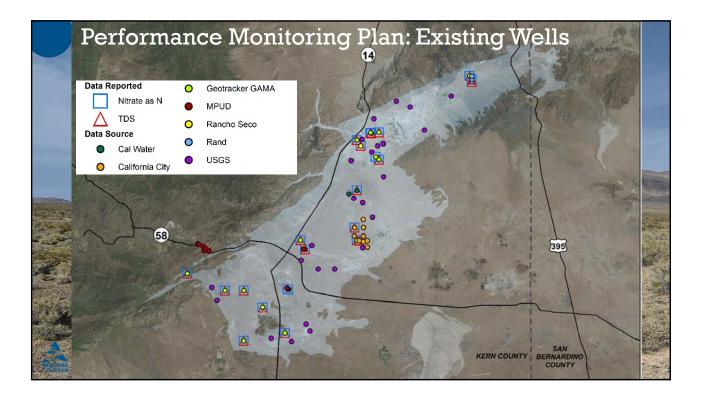
Performance Monitoring Plan: SGMA & CASGEM have similar guidelines

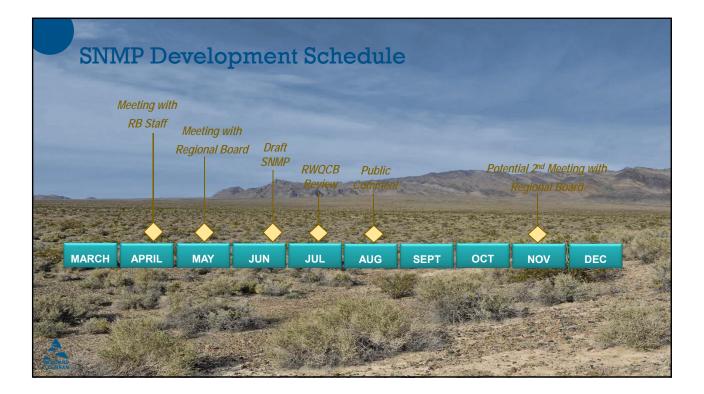
SGMA Draft BMP 2

Reference	Monitoring Well Density (wells per 100 miles²) 0.2 - 10		
Heath (1976)			
Sophocleous (1983)	6.3		
Hopkins (1984) Basins pumping more than 10,000 acre-feet/year per 100 miles ²	4.0		
Basins pumping between 1,000 and 10,000 acre-feet/year per 100 miles ²	2.0		
Basins pumping between 250 and 1,000 acre-feet/year per 100 miles ²	1.0		
Basins pumping between 100 and 250 acre-feet/year per 100 miles ²	0.7		

CASGEM

Program and(or) Reference	Density of monitoring wells (wells per 100 mi ²)		
Heath (1976)	0.2 - 10		
Sophocleous (1983)	6.3		
Hopkins (1994) (a) Basins with >10,000 AF/yr groundwater pumping per 100 mi ² area	4.0		
(b) Basins with 1,000-10,000 AF/yr groundwater pumping per 100 mi ² area	2.0		
(c) Basins with 250-1,000 AF/yr groundwater pumping per 100 mi ² area	1.0		
(d) Basins with 100250 AF/yr groundwater pumping per 100 mi ² area	0.7		





Fremont Basin IRWM Region Salt and Nutrient Management Plan Meeting with the Lahontan RWQCB

City of Bishop, City Council Chambers 377 West Line Street

