

ANALYSIS OF WATER

DRAINAGE PROVINCE X

GROUND X SURFACE \_\_\_\_\_  
Use: Dom X Ind \_\_\_\_\_ Irr \_\_\_\_\_

WASTE  
KEY PUNCHED  
Other \_\_\_\_\_

Sample Number <b>4849</b>	Laboratory Number <b>3091</b>	Work Authority Number <b>14DB-0739</b>	State Well No. <b>10 3 6 E 221</b>	S. M. H.
Type of Analysis <u>Comp.</u>			Areal Code <b>X-22-A3</b>	Date Sampled <b>5/21/70</b>
GROUND G.W. Basin <u>Borrego Valley</u> Source _____		WASTE		Analysis No. _____ Time <b>1100</b> PST
Date drilled <b>48</b> Depth <b>150</b> Dia. <b>12</b>	Treatment _____	County <b>90</b>	Temp. <b>TK</b> °F	
M.P.U. _____ Depth to water _____	Location of discharge _____	Laboratory Code No. <b>5250</b>	Surface Water No. _____	
Sampled depth _____ Ppg _____	Discharge to _____	Gage Ht. _____	Disch. _____ cfs/gpm	
Perf. _____	G.S. Elev. _____	Field pH _____	D.O. _____	
General location _____ miles _____ of _____		Other identification _____		

REMARKS: Name Not PPG Address \_\_\_\_\_ City \_\_\_\_\_ Zip code \_\_\_\_\_

Send copy to owner  \_\_\_\_\_ Odor \_\_\_\_\_  
Foam \_\_\_\_\_  
Algae \_\_\_\_\_  
Turbid \_\_\_\_\_

CI. Resid. \_\_\_\_\_  
Agency Code No. **5250** No \_\_\_\_\_

Sampler Baldridge of DWR

pH <b>7.6</b>	Cell Constant _____	ALKALINITY _____ ml _____		<b>0.31</b> mg/l	Additional Analyses
<b>1366</b>	R _____ T _____			BORON (B)	
SPECIFIC CONDUCT. <b>79</b> mg/l	R _____ T _____	<b>0</b> mg/l	CO <sub>3</sub> <b>0</b> meq/l	_____ mg/l	
CALCIUM (Ca) <b>3.94</b> meq/l		<b>27</b> mg/l	HCO <sub>3</sub> <b>0.44</b> meq/l	MBAS as ABS _____ mg/l	
<b>5</b> mg/l	<b>0.40</b> meq/l	<b>327</b> mg/l	<b>6.82</b> meq/l	_____ mg/l	
MAGNESIUM (Mg)		SULFATE (SO <sub>4</sub> )		ORTHOPHOSPHATE (PO <sub>4</sub> ) _____ mg/l	
<b>198</b> mg/l	<b>9.60</b> meq/l	<b>193</b> mg/l	<b>5.44</b> meq/l	<b>873</b> mg/l	TOTAL DISSOLVED SOLIDS (at 180° C)
SODIUM (Na)		CHLORIDE (Cl)		_____ mg/l	
<b>5.9</b> mg/l	<b>0.15</b> meq/l	<b>0</b> mg/l	<b>0</b> meq/l	<b>217</b> mg/l	TOTAL HARDNESS (CaCO <sub>3</sub> )
POTASSIUM (K)		NITRATE (NO <sub>3</sub> )		<b>22</b> mg/l	TOTAL ALKALINITY as CaCO <sub>3</sub>
_____ mg/l	_____ meq/l	Devarda's <input type="checkbox"/>		_____ units	TURBIDITY
AMMONIUM (NH <sub>4</sub> )		<b>0.74</b> mg/l	<b>0.04</b> meq/l	COLIFORM: MPN/100ml _____	Date into Laboratory _____
		FLUORIDE (F)		_____	Date Started <b>8-11-70</b>
		Distilled <input type="checkbox"/>		B.O.D. (5 day) _____ mg/l	Date Completed <b>8-17-70</b>
TOTAL CATIONS <b>13.09</b> meq/l		TOTAL ANIONS <b>12.74</b> meq/l		SET S. _____ ml/l/hr	CHEMIST <u>Tanner</u>
				SUS. S. _____ mg/l	

ANALYSIS OF WATER

DRAINAGE PROVINCE

GROUND SURFACE WASTE

User: Dom.  Ind.  Irr.  Other

Sample Number 2946 Laboratory Number 22671 Work Authority Number 1408-0739

State Well No. 10 006 24C1  
Areal Code X-22-A3 Date Sampled 5-9-69

Type of Analysis Complete

G.W. Basin Borrego Source \_\_\_\_\_

Date drilled \_\_\_\_\_ Depth \_\_\_\_\_ Dia \_\_\_\_\_ Treatment \_\_\_\_\_

M.P.U. \_\_\_\_\_ Depth to water \_\_\_\_\_ Location of discharge \_\_\_\_\_

Sampled depth \_\_\_\_\_ Ppg \_\_\_\_\_ Discharge to \_\_\_\_\_

Perf. \_\_\_\_\_ G.S. Elev. \_\_\_\_\_

General location \_\_\_\_\_ miles of \_\_\_\_\_

Analysis No. 1 Time 1015 PST

County 90 Temp \_\_\_\_\_ °F

Laboratory Code No. 5050 Surface Water No. \_\_\_\_\_

Gage Ht. \_\_\_\_\_ Disch. \_\_\_\_\_ cfs/gpm

Field pH \_\_\_\_\_ D.O. \_\_\_\_\_

Other Identification \_\_\_\_\_

OWNER Name \_\_\_\_\_ Address \_\_\_\_\_ City \_\_\_\_\_ Zip code \_\_\_\_\_

REMARKS: \_\_\_\_\_

Send copy to owner   NO Odor

Cl. Resid. \_\_\_\_\_  11 Foam

Agency Code No. 5050  11 Algae

11 Turbid

Sampler Lewis of DWR

pH <u>7.4</u>	Cell Constant _____	ALKALINITY _____ ml _____		<u>0.32</u> mg/l	Additional Analyses
<u>1481</u>	R _____ T _____			BORON (B) _____ mg/l	
SPECIFIC CONDUCT. <u>98</u> mg/l	R _____ T _____	<u>0</u> mg/l CO <sub>3</sub> <u>0</u> meq/l		_____ mg/l	
CALCIUM (Ca) <u>1.89</u> meq/l		<u>23</u> mg/l HCO <sub>3</sub> <u>0.37</u> meq/l		MBAS as ABS _____ mg/l	
		<u>365</u> mg/l <u>2.59</u> meq/l		_____ mg/l	
MAGNESIUM (Mg) <u>3</u> mg/l <u>0.25</u> meq/l		SULFATE (SO <sub>4</sub> ) _____ mg/l		ORTHOPHOSPHATE (PO <sub>4</sub> ) _____ mg/l	
		<u>218</u> mg/l <u>9.48</u> meq/l	<u>247</u> mg/l <u>6.91</u> meq/l	<u>983</u> mg/l	
SODIUM (Na) _____ mg/l		CHLORIDE (Cl) _____ mg/l		TOTAL DISSOLVED SOLIDS (at 180° C) _____ mg/l	
POTASSIUM (K) <u>11</u> mg/l <u>0.28</u> meq/l		NITRATE (NO <sub>3</sub> ) <u>0.5</u> mg/l <u>0.01</u> meq/l		TOTAL HARDNESS (CaCO <sub>3</sub> ) <u>257</u> mg/l	
		Devarda's <input type="checkbox"/>		<u>19</u> mg/l TOTAL ALKALINITY as CaCO <sub>3</sub>	
AMMONIUM (NH <sub>4</sub> ) _____ mg/l _____ meq/l		FLUORIDE (F) <u>0.7</u> mg/l <u>0.04</u> meq/l		COLIFORM: MPN/100ml _____	
		Distilled <input type="checkbox"/>		B.O.D. (5 day) _____ mg/l	
TOTAL CATIONS <u>14.90</u> meq/l		TOTAL ANIONS <u>14.98</u> meq/l		SET S. _____ ml/l/hr	
				SUS. S. _____ mg/l	

TURBIDITY \_\_\_\_\_ units

Date into Laboratory \_\_\_\_\_

Date Started 7-3-69

Date Completed JUL 10 1969

CHEMIST GORDON J. CHEW

# ANALYSIS OF WATER

STATE OF CALIFORNIA  
THE RESOURCES AGENCY  
DEPARTMENT OF WATER RESOURCES

DRAINAGE PROVINCE

GROUND SURFACE WASTE

Use: Dom. Ind. Irr. Other

Sample Number **1939** Laboratory Number **53723** Work Authority Number **1402-0741**

State Well No. **10** N **6** E **24** CL **1** H

Type of Analysis **Complete**

Areal Code **X-2243** Date Sampled **5-29-68**

<b>GROUND</b>		<b>WASTE</b>		Analysis No. <b>1</b>	Time <b>---</b> PST
G.W. Basin _____	Source _____	County <b>90</b>	Temp _____ °F	Laboratory Code No. <b>5150</b>	Surface Water No. _____
Date drilled _____	Depth _____ Dia _____	Location of discharge _____	Gage Ht. _____	Disch _____ gpm	Field pH _____
M.P.U. _____	Depth to water _____	Discharge to _____	Other Identification _____	D.O. _____	
Sampled depth _____	Ppg _____	G.S. Elev. _____			
Perf. _____	General location _____ miles of _____				
Detailed location _____	Point of collection <b>Top of tank</b>				

OWNER Name \_\_\_\_\_ Address \_\_\_\_\_ City \_\_\_\_\_ Zip code \_\_\_\_\_

REMARKS: \_\_\_\_\_

Sampler **J. Lewis** of **DWR**

Send copy to owner

Cl. Resid. \_\_\_\_\_ Agency Code No. **5150**

Color \_\_\_\_\_ Odor \_\_\_\_\_ Foam \_\_\_\_\_ Algae \_\_\_\_\_ Turbid \_\_\_\_\_

pH <b>7.7</b>	Cell Constant	ALKALINITY		0.3 mg/l	Additional Analyses
<b>1640</b>	R _____ T _____			BORON (B)	
SPECIFIC CONDUCT. <b>100</b> mg/l	R _____ T _____	0 mg/l	CO <sub>3</sub> 0.00 meq/l		
CALCIUM (Ca) <b>4.99</b> meq/l		20 mg/l	HCO <sub>3</sub> 0.33 meq/l	MBAS as ABS	
		365 mg/l	7.60 meq/l		
MAGNESIUM (Mg) <b>0.1</b> mg/l		SULFATE (SO <sub>4</sub> )			
				1010 mg/l	
				TOTAL DISSOLVED SOLIDS (at 180° C)	
SODIUM (Na) <b>224</b> mg/l	<b>9.74</b> meq/l	244 mg/l	6.88 meq/l		
		CHLORIDE (Cl)			
POTASSIUM (K) <b>10</b> mg/l	<b>0.26</b> meq/l	1.0 mg/l	0.02 meq/l	250 mg/l	
		NITRATE (NO <sub>3</sub> )		TOTAL HARDNESS (CaCO <sub>3</sub> )	
				16 mg/l	TOTAL ALKALINITY as CaCO <sub>3</sub>
					TURBIDITY _____ units
		0.6 mg/l	0.03 meq/l		Date into Laboratory _____
		FLUORIDE (F)			Date Started <b>5-17-68</b>
					Date Completed <b>5-24-68</b>
					CHEMIST <b>P.V.</b>
TOTAL CATIONS <b>15.00</b> meq/l		TOTAL ANIONS <b>14.76</b> meq/l			



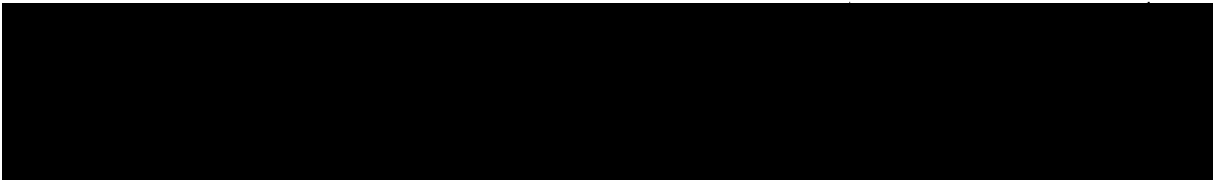


DEPARTMENT OF WATER RESOURCES

(2)

Region 7  
 Investigation GWQ  
 County S.D. Near Borrego Valley

Basin Borrego Valley 7-24:00  
 DWR No. 10S/6E-24C1, SB&M  
 Other Nos. \_\_\_\_\_



Use Dom Depth 150' Date Completed \_\_\_\_\_ Capacity (gpm) \_\_\_\_\_ SWL \_\_\_\_\_  
 Drawdown \_\_\_\_\_ Perforations \_\_\_\_\_ Size Casing & Depth 12"  
 Gravel Packed \_\_\_\_\_ Seal \_\_\_\_\_ At What Depth \_\_\_\_\_ Log \_\_\_\_\_ Water Level Record \_\_\_\_\_  
 Surface Elev. \_\_\_\_\_ Datum \_\_\_\_\_ Source of Information \_\_\_\_\_

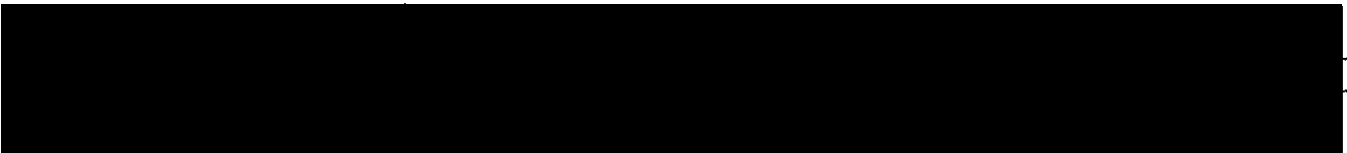
Lab./Field No.	2757		4128		15509		7200						
Sampled By			<u>S-16-62</u>		<u>Jim Ping</u>								
Date Collected			<u>de Brvin</u>		<u>5-23-63</u>								
Date Analyzed			<u>6-12-62</u>		<u>6-7-63</u>								
Temperature/pH	<u>7K</u>		<u>7.6</u>		<u>7.7</u>								
EC x 10 <sup>6</sup> @ 25° C			<u>1280</u>		<u>1344</u>								
Constituents in	epm	% RV	ppm	epm	% RV	ppm	epm	% RV	ppm	epm	% RV	ppm	
Cations:													
Ca	<u>4.12</u>		<u>82</u>	<u>3.74</u>		<u>75</u>							
Mg	<u>0.21</u>		<u>2.6</u>	<u>0.50</u>		<u>6.1</u>							
Na	<u>8.40</u>		<u>193</u>	<u>6.70</u>		<u>200</u>							
K	<u>0.24</u>		<u>9.0</u>	<u>0.25</u>		<u>9.8</u>							
Total Cations	<u>12.97</u>			<u>13.19</u>									
Anions:													
CO <sub>3</sub>	<u>0</u>		<u>0</u>	<u>0</u>		<u>0</u>							
HCO <sub>3</sub>	<u>0.50</u>		<u>30</u>	<u>0.52</u>		<u>32</u>							
SO <sub>4</sub>	<u>7.17</u>		<u>344</u>	<u>7.00</u>		<u>336</u>							
CL	<u>5.25</u>		<u>186</u>	<u>5.19</u>		<u>184</u>							
NO <sub>3</sub>	<u>0</u>		<u>0</u>	<u>0.02</u>		<u>1.0</u>							
F	<u>0.03</u>		<u>0.6</u>	<u>0.04</u>		<u>0.76</u>							
Total Anions	<u>12.95</u>			<u>12.77</u>									
Balance													
Boron			<u>0.44</u>			<u>0.39</u>							
Silica			<u>13</u>			<u>23</u>							
Total Solids/Sum	<u>840</u>		<u>850</u>	<u>840</u>		<u>852</u>							
Per Cent Sodium		<u>65</u>			<u>66</u>								
Hardness: Total/NC	<u>217</u>		<u>192</u>	<u>212</u>		<u>180</u>							
Laboratory/Chemist	<u>USAG</u>		<u>DLE</u>	<u>5050</u>		<u>Shaw</u>							
Copied: Date/By	<u>6-27-62</u>		<u>CM</u>										

REMARKS: 1. clear, odorless - supp. MATTER - P.C. tap at house  
 2. clear no odor - Not pp9. PC. Tap at house. depth to water 118."  
 3.  
 4.

DIVISION OF WATER RESOURCES

Region 7  
 Investigation G. W. Q.  
 County S. D. Near BORRERO VALLEY

Basin Borrogo Valley  
 DWR No. 103/6E 24cl; SBB&M  
 Other Nos. \_\_\_\_\_



Use DOM Depth \_\_\_\_\_ Date Completed \_\_\_\_\_ Capacity (gpm) \_\_\_\_\_ SWL \_\_\_\_\_  
 Drawdown \_\_\_\_\_ Perforations \_\_\_\_\_ Size Casing & Depth \_\_\_\_\_  
 Gravel Packed \_\_\_\_\_ Seal \_\_\_\_\_ At What Depth \_\_\_\_\_ Log \_\_\_\_\_ Water Level Record \_\_\_\_\_  
 Surface Elev. \_\_\_\_\_ Datum \_\_\_\_\_ Source of Information \_\_\_\_\_

Lab./Field No.	<u>V-831   243</u>		<u>T-2449   0952</u>									
Sampled By	<u>RB GUNDERSON</u>		<u>EGLINTON</u>									
Date Collected	<u>8-17-54 1230</u>		<u>7-23-58</u>									
Date Analyzed	<u>8/20/54</u>		<u>9-2-58</u>									
Temperature/pH	<u>7.4</u>		<u>7.7</u>									
EC x 10 <sup>6</sup> @ 25° C	<u>1360.</u>		<u>1296</u>									
Constituents in	epm	% RV	ppm	epm	% RV	ppm	epm	% RV	ppm	epm	% RV	ppm
Cations:												
Ca	<u>3.92</u>		<u>78.4</u>	<u>4.11</u>		<u>82</u>						
Mg	<u>0.27</u>		<u>2.8</u>	<u>0.18</u>		<u>2</u>						
Na	<u>8.35</u>		<u>192.</u>	<u>8.30</u>		<u>191</u>						
K	<u>0.27</u>		<u>10.5</u>	<u>0.27</u>		<u>10.30</u>						
Total Cations	<u>12.81</u>			<u>12.86</u>								
Anions:												
CO <sub>3</sub>	<u>0.0</u>		<u>0.0</u>	<u>0</u>		<u>0</u>						
HCO <sub>3</sub>	<u>0.56</u>		<u>34.2</u>	<u>0.62</u>		<u>38</u>						
SO <sub>4</sub>	<u>7.02</u>		<u>344.</u>	<u>7.18</u>		<u>345</u>						
CL	<u>5.12</u>		<u>182.</u>	<u>5.35</u>		<u>190</u>						
NO <sub>3</sub>	<u>0.06</u>		<u>3.7</u>	<u>0.</u>		<u>0</u>						
F	<u>0.03</u>		<u>0.6</u>	<u>0.031</u>		<u>0.58</u>						
Total Anions	<u>12.79</u>			<u>12.15</u>								
Balance												
Boron			<u>0.45</u>			<u>0.35</u>						
Silica						<u>15</u>						
Total Solids/Sum	<u>868.</u>	<u>830</u>		<u>871</u>	<u>855</u>							
Per Cent Sodium		<u>65</u>			<u>65</u>							
Hardness: Total/NC	<u>829</u>			<u>214</u>								
Laboratory/Chemist	<u>PEC</u>			<u>JM</u>	<u>LD</u>							
Copied: Date/By	<u>8/21/56</u>	<u>JN</u>										

REMARKS: 1. CLEAR - SAMPLED FROM TANK  
 2. CLEAR, SAMPLE FROM TANK  
 3.  
 4.