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COACHELLA VALLEY WATER DISTRICT

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December 6, 2000

File: 0541.132

Sabine Huynen
University of Redlands
1200 East Colton Avenue
Redlands, California 92373

Dear Ms. Huynen:

Subject: Summary of Water Monitoring
Programs for Evaluation of the Salton Sea

The enclosed summary of our water monitoring programs provides general information for sampling locations, water sources, monitoring frequencies and parameters tested.

During the past ten years we collected grab surface water samples from the Salton Sea in 1992, 1994, 1997 and 1998. We have enclosed global positioning system coordinates for our ten Salton Sea monitoring sites. Monitoring performed in 1992 and 1994 included general minerals and some "heavy metals." Only general mineral testing was completed on samples collected in 1997 and 1998.

We use many laboratories to complete the tests described in the enclosed monitoring summary. Generally, our district laboratory provides general mineral, inorganic, radioactive and biological analytical services. Contract laboratories are used for organic analytical services and bioassay evaluations. This data is district property and most information is available in hard copy to the public in accordance with the Public Records Act. Some of our monitoring data is held in confidence and is exempt from the Public Records Act.

We have enclosed two annual district publications which include results from some of our monitoring programs. Compliance reports are prepared routinely for our drinking water, stormwater and wastewater monitoring programs and are available to the public through various regulatory agencies.

If you have any additional questions regarding our water monitoring programs, please call Steve Bigley, water resources associate, extension 286.

Yours very truly,

Tom Levy
General Manager-Chief Engineer

Enclosures/4/as

TRUE CONSERVATION
USE WATER WISELY

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Coachella Valley Water District
General Water Monitoring Programs

1. Agricultural Drainage. Drain monitoring includes monthly flow gauging and salinity calculations and semiannual general mineral chemical testing at 26 drainage channels in the Coachella Valley.
2. Drinking Water. Safe Drinking Water Act compliance monitoring for seven community water systems and almost 100 water supply wells. Physical, bacteriological, radioactive, inorganic chemical and organic chemical parameters are tested at intervals ranging from daily to once every 9 years. This monitoring includes routine water level measurements and metered water production and water usage.
3. Groundwater. Additional routine or occasional groundwater monitoring is performed on monitoring wells or production wells located throughout the Coachella Valley. This monitoring primarily consists of water level measurements and tests for inorganic chemical parameters.
4. Irrigation Water. Coachella Canal monitoring includes continuous flow measurements, monthly general mineral chemical tests and semiannual priority pollutant testing.
5. Salton Sea. The Salton Sea's elevation is measured weekly and general mineral and inorganic chemical testing is performed occasionally at 10 surface monitoring points located throughout the Salton Sea.
6. Stormwater. Compliance monitoring for the national pollutant discharge elimination system permit for the Whitewater River Watershed includes physical, biological, inorganic chemical and organic chemical characterization of stormwater run-off from select Coachella Valley outfalls and the Coachella Valley Stormwater Channel. Monitoring frequencies are typically semiannual but will vary depending on rainfall events.
7. Wastewater and Recycled Water. Clean Water Act compliance monitoring for 6 water reclamation facilities. Physical, biological, inorganic chemical and organic chemical parameters are tested at intervals ranging from daily to annually. Flow measurements are recorded daily.



COACHELLA VALLEY WATER DISTRICT
SALTON SEA SAMPLE STATION
GLOBAL POSITIONING SYSTEM CORDINATES

<i>Station Identification</i>	<i>Latitude</i>	<i>Longitude</i>
North Shore State Park Harbor	33° 30.17 north	115° 54.85 west
Whitewater River Mouth	33° 30.03 north	116° 03.64 west
Salton Sea Beach, Sunken Building	33° 23.02 north	116° 00.66 west
Center of Sea, Upper	33° 25.54 north	115° 54.96 west
Center of Sea, Middle	33° 20.39 north	115° 46.93 west
Center of Sea, Lower	33° 16.13 north	115° 41.96 west
Sandy Point Navel Base	33° 13.56 north	115° 49.36 west
Geothermal Plant at New River	33° 10.56 north	115° 39.86 west
Niland Boat Marina	33° 20.28 north	115° 40.07 west
Bertram Train Station	33° 20.91 north	115° 44.27 west