



Directors

PHILIP L. ANTHONY
WES BANNISTER
KATHRYN L. BARR
JOHN V. FONLEY
DANIEL E. GRISET
DONN HALL
LAWRENCE P. KRAEMER JR.
GEORGE OSBORNE
LANGDON W. OWEN
IRV PICKLER

Officers

PHILIP L. ANTHONY
President
KATHRYN L. BARR
First Vice President
DONN HALL
Second Vice President
WILLIAM R. MILLS JR.
General Manager
MARY E. JOHNSON
District Secretary
CLARK IDE
General Counsel

ORANGE COUNTY WATER DISTRICT

September 10, 1993

Mr. Andy Piszkin
Southwest Division Naval Facilities Engineering Command
1220 Pacific Highway
San Diego, CA 92132-5190

Subject: Status of OCWD "MCAS" Monitoring Well Access Permits

Dear Mr. Piszkin:

As a follow-up to my letter to you dated August 2, 1993, the Orange County Water District (OCWD) has received permission from property owners to allow access to the Navy and its representatives to monitor and sample wells MCAS-1 through -5 (The Irvine Company), MCAS-6 and -9 (City of Irvine), MCAS-7 (Woodbridge Village Association), and MCAS-8 (Irvine School District). We are still awaiting a response from Southern California Edison (SCE) for MCAS-10. I will contact SCE next week to find out their status.

In order to finalize the MCAS well access authorization, OCWD requests that the Navy return an executed copy of the "Orange County Water District Permit" enclosed with the August 2 letter.

With regard to the abandonment of well MCAS-5, on TIC property, this well is the shallowest of the MCAS wells, with a cased depth of approximately 150 feet, as we encountered bedrock at this depth during drilling. Mike Padian (TIC) called me the week before last to say that this property was recently sold to the Maruchan noodle company and that the well is located within a future warehouse "footprint" to be constructed on the property. TIC, the sole landowner in this area, was only willing to grant OCWD a revokable permit to construct and monitor this well due to the uncertainty regarding development plans. At the time the well was located, OCWD and TIC made every effort to site the well in an area least likely to be disturbed by future development. Apparently, the final alignment of Barranca Parkway was further south than originally planned, which placed the

Mr. Andy Piszkin
September 10, 1993
Page 2

well further into developable property, in this case, beneath a future building. Therefore, the well must be properly abandoned prior to grading which is to take place in the next few weeks. OCWD has scheduled the abandonment of the well using a bentonite-cement slurry on or about September 15.

With the loss of this well, a significant data gap will be left in the area encompassed by Irvine Center Drive, Highway 133, Sand Canyon Avenue, and San Diego Creek. This well was one of four constructed to monitor the southern boundary of the off-base TCE plume. Well MCAS-5 was important in that it was relatively shallow, yet it evidently tapped the main aquifer based on TCE concentrations of approximately 3 ug/L which it exhibited. TCE plume monitoring before and during operations of the Irvine Desalter Project require the monitoring well network constructed by OCWD and the Navy to be maintained. To this end, we wish to explore whether a replacement well may be constructed within the scope of the MCAS El Toro Phase II Work Plan. OCWD has asked TIC to request Maruchan to investigate a possible, permanent well location in the vicinity of MCAS-5.

We believe a replacement well constructed to a similar depth and screened interval as MCAS-5 would provide the desired future monitoring data. However, we would be happy to discuss possible design or location alternatives with the Navy or CH2M Hill. Please contact me at your convenience to discuss both of these items.

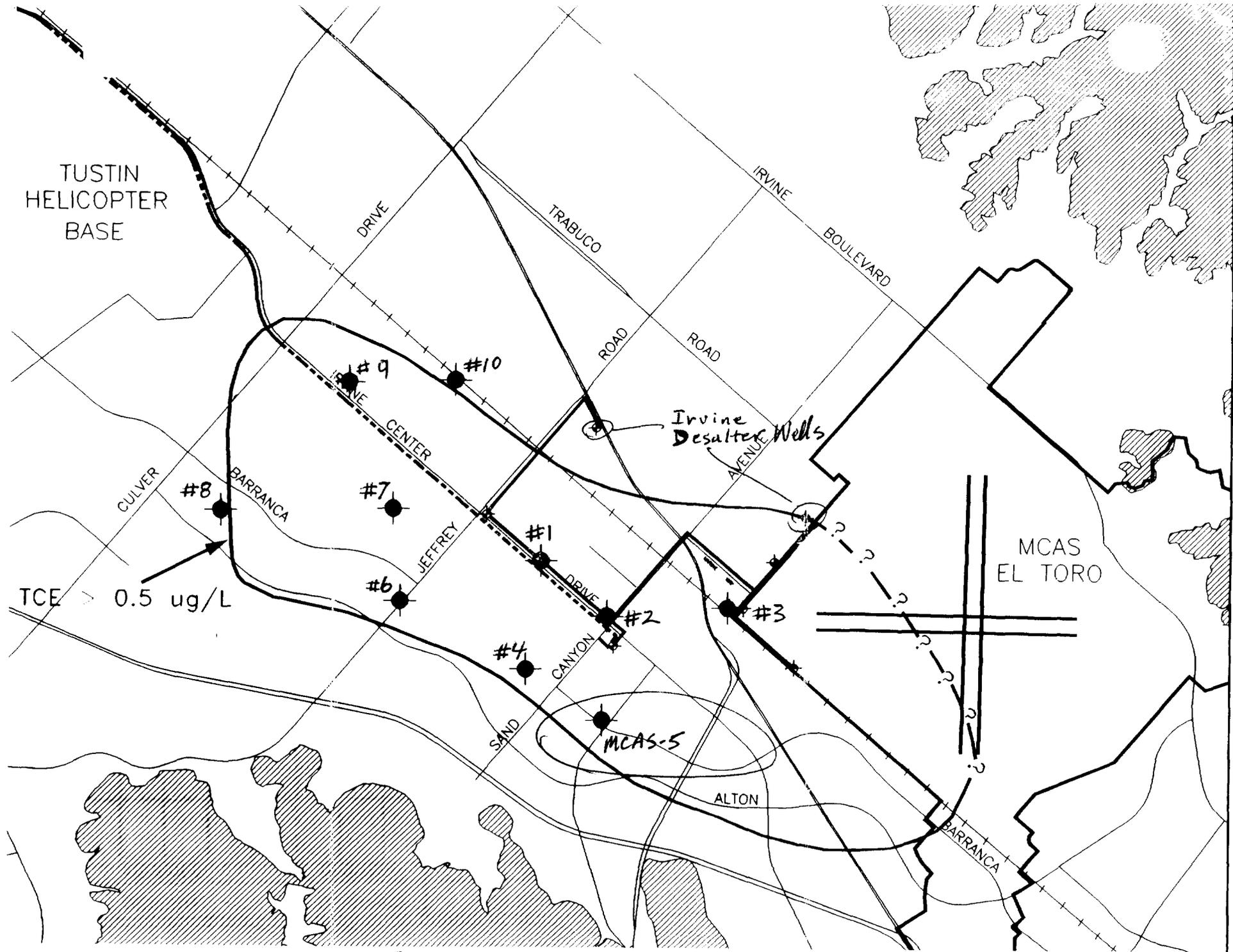
Sincerely,



Roy L. Herndon
Manager, Hydrogeology Department

Enclosure - Well Location Map

cc: John Broderick, RWQCB Santa Ana
John Hamill, EPA Region IX
Joe Zarnoch, DTSC
John Dolegowski, CH2M Hill



"MCAS" Well Location Map