

**Docket Optical System - Fwd: SOLARTWO-LIST: Applicant's Submittal of Estimated First Year Construction Water Use Summary**

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**From:** Edie Harmon <desertharmon@gmail.com>  
**To:** Raoul Renaud <rrenaud@energy.state.ca.us>, Christopher Meyer <CMeyer@energy.state.ca.us>, Jennifer Jennings <JJenning@energy.state.ca.us>  
**Date:** 8/9/2010 11:16 AM  
**Subject:** Fwd: SOLARTWO-LIST: Applicant's Submittal of Estimated First Year Construction Water Use Summary  
**CC:** "Loulena A. Miles" <lmiles@adamsbroadwell.com>, Larry Silver <larrysilver@earthlink.net>, Donna Tisdale <donnatisdale@hughes.net>, Tom Beltran <tbeltran@cox.net>, Fred Cagle <lorcalon@me.com>  
**Attachments:** Exhibit 599 Declining water levels in Ocotillo-Coyote Wells SSA graph NW to SE & map.pdf; Exhibit 599A Declining water levels in Ocotillo-Coyote Wells SSA graph#2 W to ENE.pdf

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Hearing Officer Renaud, and CEC staff,

So, I see that the Applicant's intended use of groundwater is more than 42 AF/Y for the first year, more than the maximum allowed pumping from the intended well. Does anyone care but the Intervenor, me and the other downgradient groundwater users? What a terrible waste of groundwater for such a speculative project with such serious adverse air quality impacts in a county with already poor quality air! No amount of groundwater for dust suppression could ever eliminate the potential for more serious dust storms such as those in the video I forwarded last week.

Yes, I know that no one wanted to see the graphic representation of my written testimony and the Table with USGS monitoring data that I tried to submit at the Evidentiary Hearing, but once again I am sending the graphic representation of what is happening in the groundwater basin. If the applicant can provide information after the close of the Evidentiary Hearing, why can't I when I tried to earlier? It is merely the graphic representation of the numbers in the Table of USGS monitoring data for the groundwater basin. The downgradient portion of the basin near Coyote Wells has very shallow depth to water and there is phreatophytic vegetation in the area. As USGS scientists keep reminding me, when the water is gone, it is gone because it is fossil groundwater from the end of the last ice age.

I am in the process of commenting on the even greater cumulative impacts posed by the nearby downgradient proposal to pump 65 AF/Y at the proposed Wind Zero site just to the SW of the Imperial Valley Solar Project site.

Edie Harmon  
619-729-7178

----- Forwarded message -----

**From:** Energy Commission <[listenergia@listserver.energy.ca.gov](mailto:listenergia@listserver.energy.ca.gov)>  
**Date:** Mon, Aug 9, 2010 at 10:31 AM  
**Subject:** SOLARTWO-LIST: Applicant's Submittal of Estimated First Year Construction Water Use Summary  
**To:** [SOLARTWO@listserver.energy.ca.gov](mailto:SOLARTWO@listserver.energy.ca.gov)

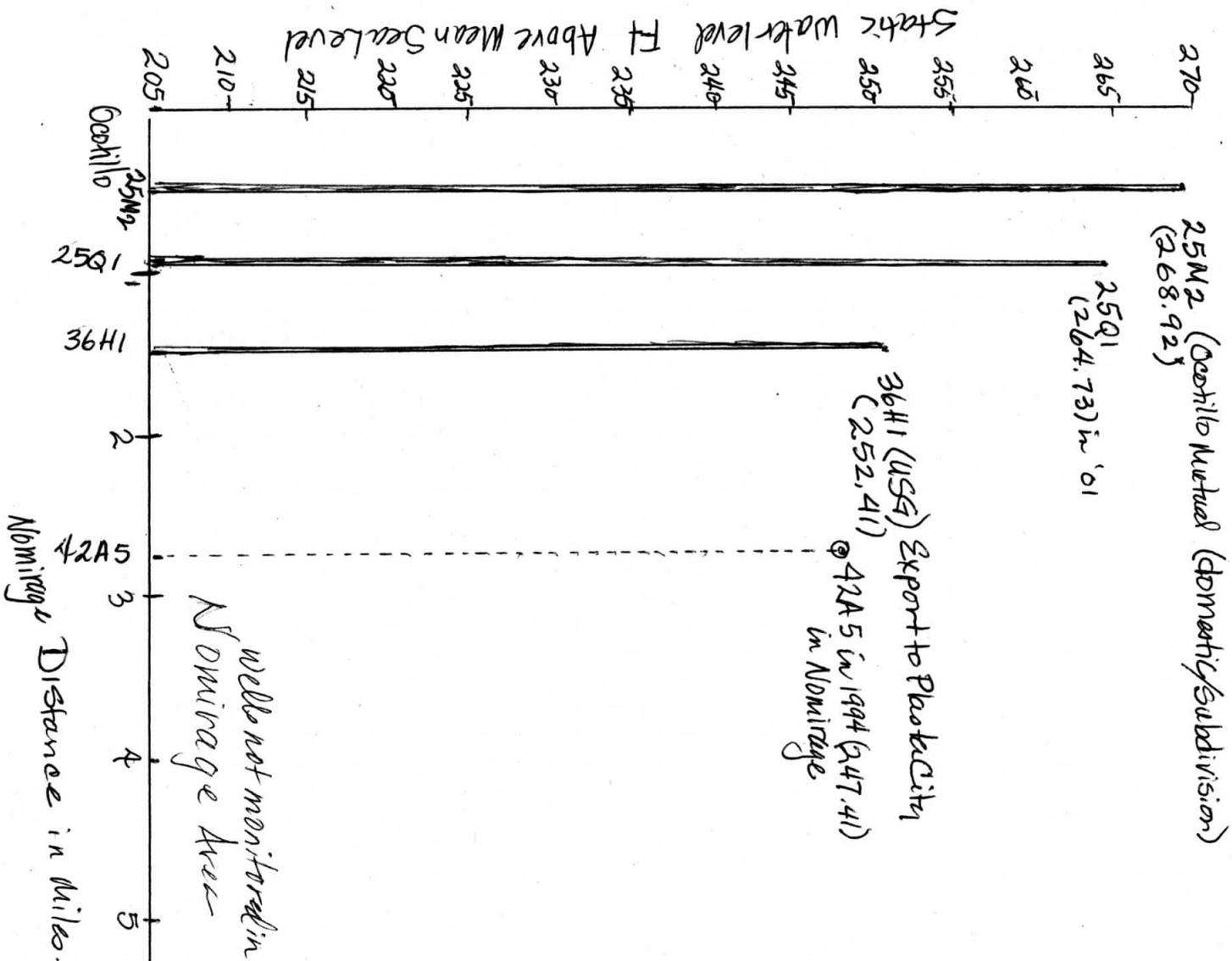
Applicant's Submittal of Estimated First Year Construction Water Use Summary.

For more information:

<http://www.energy.ca.gov/sitingcases/solartwo/documents/index.html#applicant>

<b>DOCKET</b>	
<b>08-AFC-5</b>	
<b>DATE</b>	<u>AUG 09 2010</u>
<b>RECD.</b>	<u>AUG 09 2010</u>





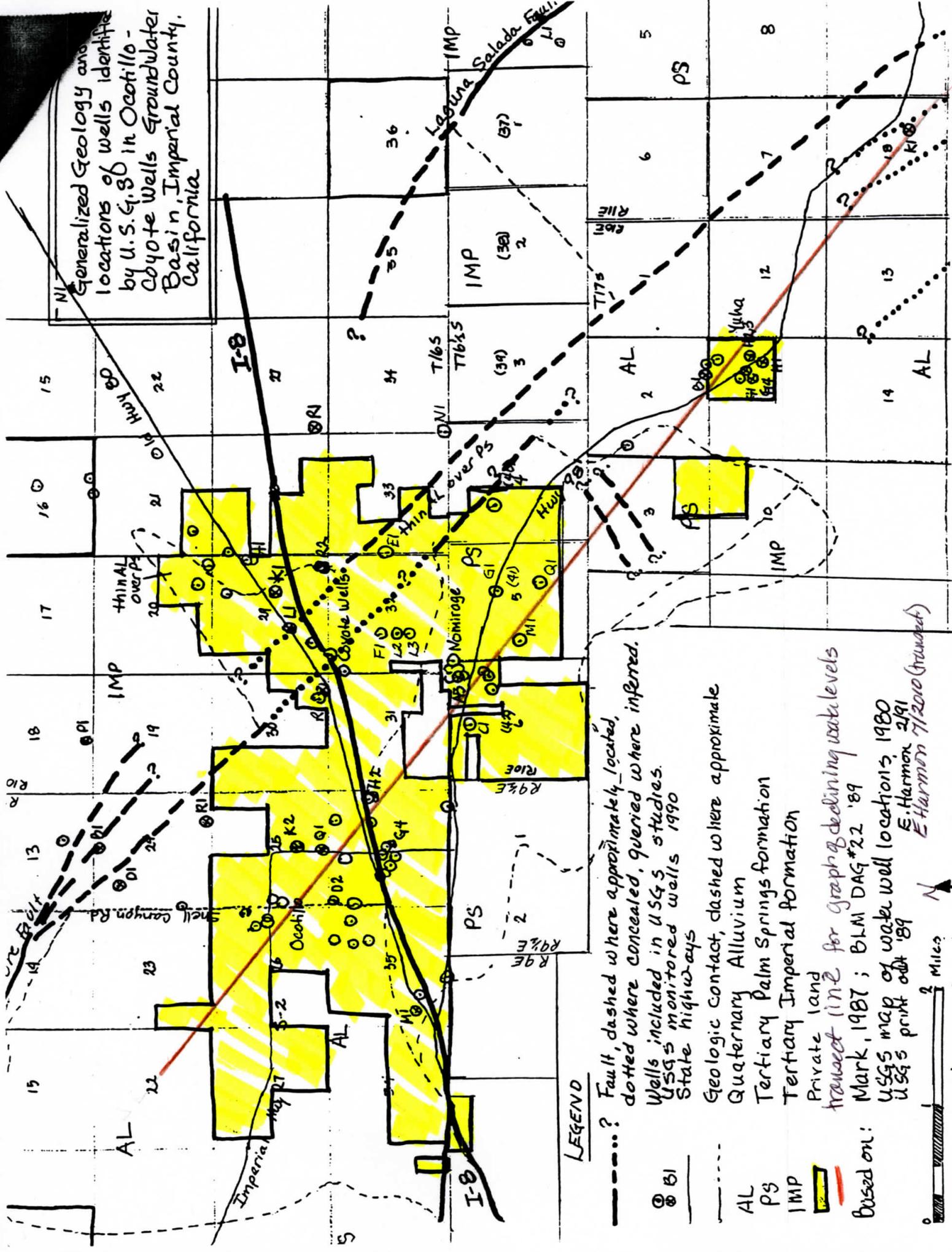
Coohillo/Coyote Well Sole Source Aquifer  
 Static Waterlevel -  
 Declining water levels down gradient  
 from wells pumping larger volumes.  
 USGS data

E. Harmon 7/2010

Well #	Elev	depth	Static Waterlevel
25M2	410	~140	268.92 in '09
25Q1	372	~107	264 in '01
36H1	342	~85	252.41 in '09
42A5	328	80	247.41 in '94
11B1	376	158	217.39 in '09
11G4	382	169	212.22 in '09
11H3	380	171	208.62 in '09
18K1	342		206 in 1981

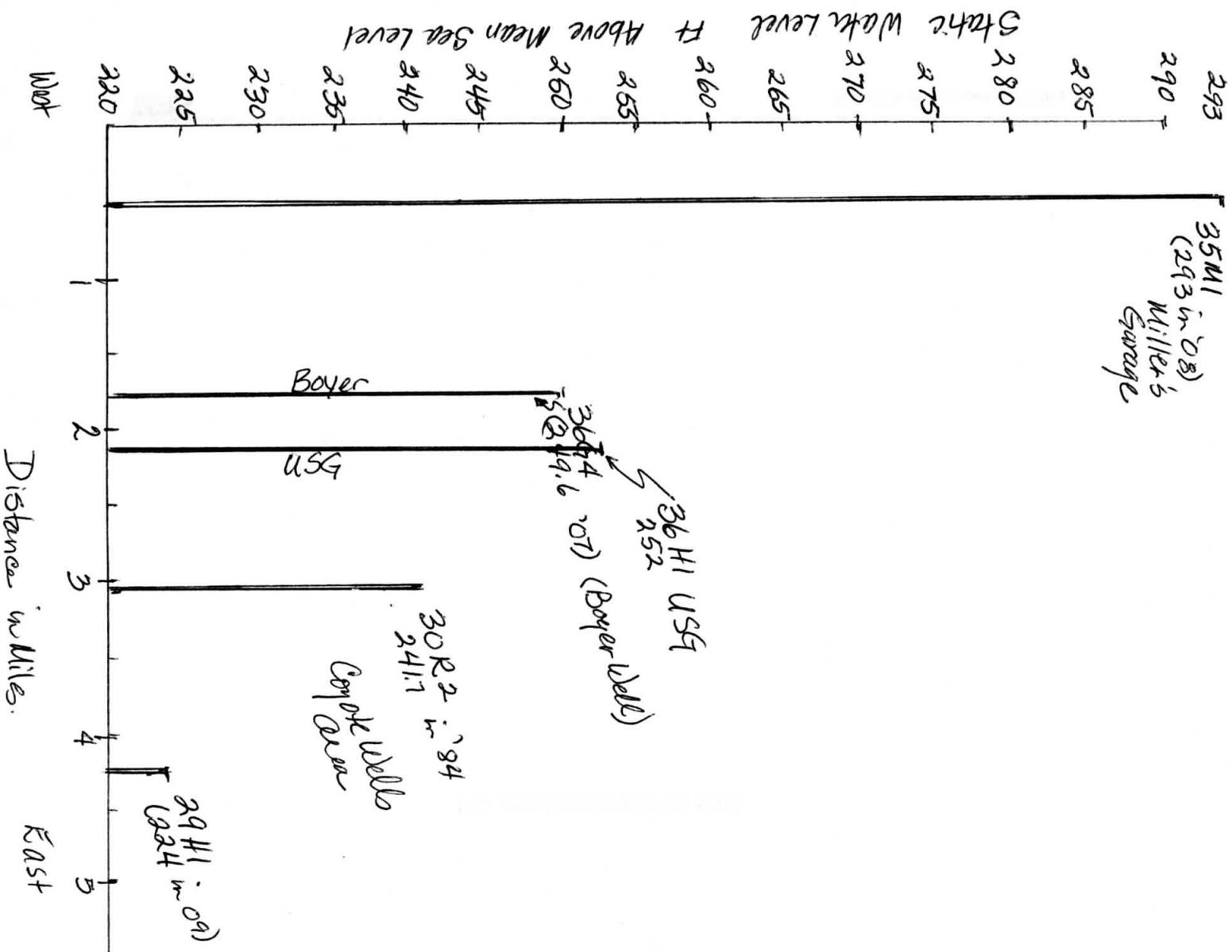
Exhibit 599

Generalized Geology and locations of wells identified by U.S.G.S in Ocotillo-Coyote Wells Groundwater Basin, Imperial County, California



LEGEND

- - - - ? Fault, dashed where approximately located, dotted where concealed, queried where inferred.
  - BI Wells included in USGS studies.
  - BI USGS monitored wells 1990
  - State highways
  - - - - Geologic contact, dashed where approximate
  - AL Quaternary Alluvium
  - PS Tertiary Palm Springs formation
  - IMP Tertiary Imperial formation
  - Private land
  - Transect (line) for graph of declining water levels
- Based on:
- Mark, 1987; BLM DAG #22 '89
  - USGS map of water well locations, 1980
  - USGS print out '89
  - E. Harmon 2/91
  - E. Harmon 7/2010 (transect)



Well #	Elev.	depth to data	Static level AMSL
35M1	616	322	293 in '08
36H1	382	132.39	249.61 '07
30R2	342	85.31	252 in '09
29H1	258	16.24	241.76 in '84
29H1	251	26.89	224.25 '09

Distillo/Boyer Wells Soto Source Arqifa  
 Static Water Level  
 Declining Water Levels down gradient  
 from well pumping largest volume  
 USGS data  
 Ethernan 7-2010

Exhibit 599 A