

Keen, Shelley

From: Jo Beeman [Jo.Beeman@beemanlaw.com]
Sent: Wednesday, May 02, 2012 6:42 PM
To: Keen, Shelley
Cc: Jane Newby; Joyce Angell; Receptionist
Subject: RE: Ground water level information for Astorquias

Shelley,
I received this yesterday and am also forwarding the information to Frank and Judd Astorquia.
Thank you,
Jo

Josephine P. Beeman
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jo.beeman@beemanlaw.com

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From: Keen, Shelley [<mailto:Shelley.Keen@idwr.idaho.gov>]
Sent: Tuesday, May 01, 2012 12:53 PM
To: Jo Beeman
Subject: Ground water level information for Astorquias

Jo,

At the end of the hearing for Astorquias, we agreed that it might be possible to augment the record with some ground water level information available from IDWR's records. You asked me to be sure to provide you with whatever information I might find. This email is to let you know that I inquired and received the attached information, which was contained in a presentation given by IDWR hydrologist Mike McVay a year ago. The map shows approximate ground water level changes across the Eastern Snake Plain Aquifer from 1980 to 2008.

Sincerely,

Shelley Keen
Idaho Department of Water Resources
P.O. Box 83720
Boise, ID 83720-0098
(208) 287-4947
shelley.keen@idwr.idaho.gov

ESPA Water Level Changes and Estimated Volume of Water

Mike McVay

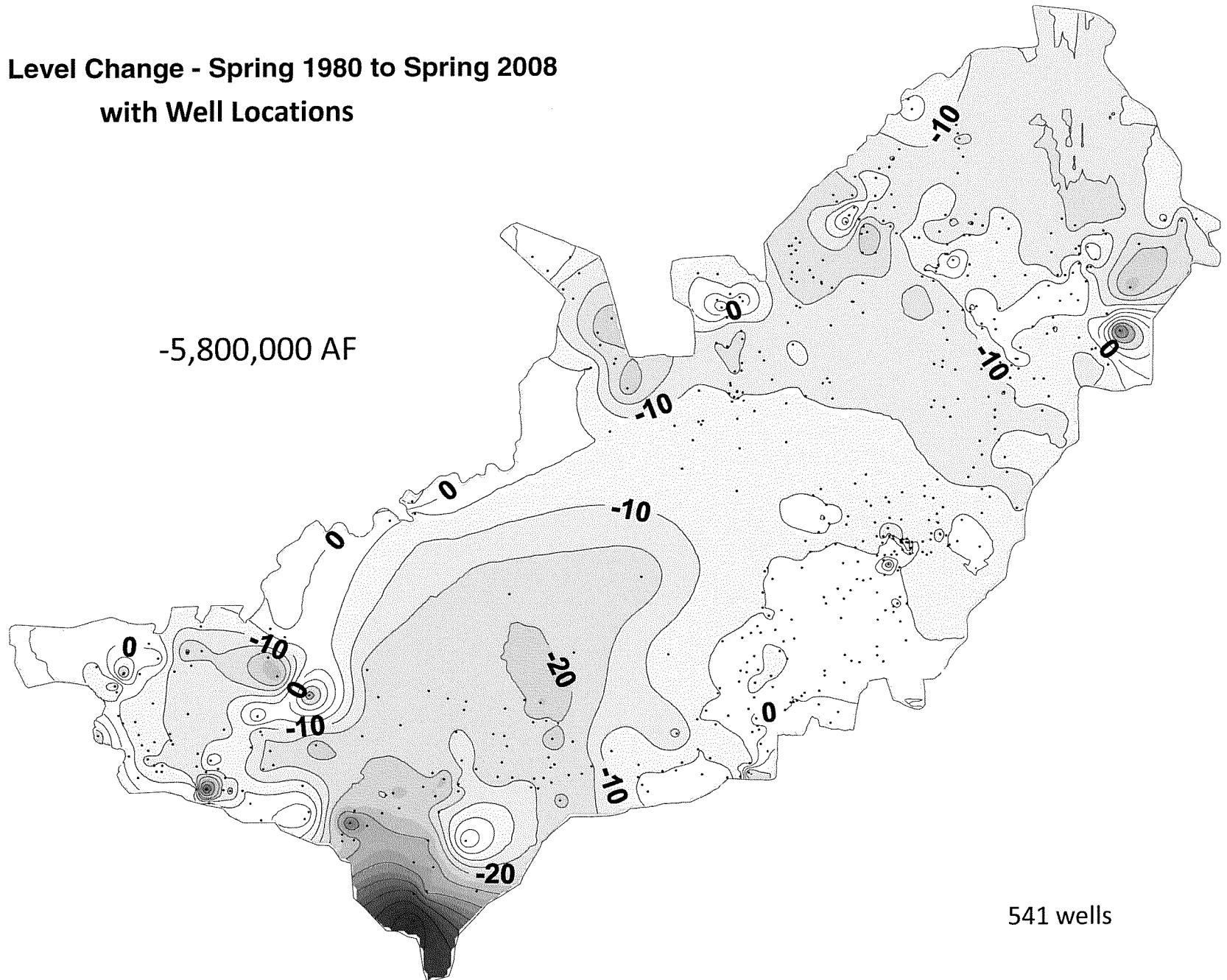
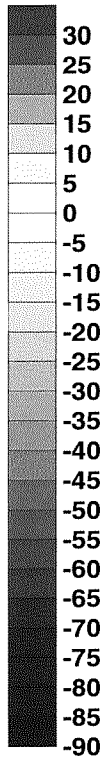
03/10/2011

Synoptic Water-Level Measurements

- Synoptic measurement events measure a large number of wells over a short period of time (approximately 8 weeks).
- Synoptic events in 1980, 2001, 2002 and 2008. Events are scheduled to occur every 5 years.
- Data from four synoptic water level measurements (mass measurements) have been used to estimate changes in aquifer storage.

Water Level Change - Spring 1980 to Spring 2008 with Well Locations

Water Level
Change (ft)



541 wells