Sustaining Aquifer Productivity

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SUSTAINING AQUIFER PRODUCTIVITY

by

Harrison C. Dunning

Professor of Law
University of California at Davis

GROUNDWATER: Allocation--Development--Pollution
Natural Resources Law Short Course
University of Colorado School of Law
Natural Resources Law Center
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      - Pasadena v. Alhambra, 33 Cal.2d 908, 207 P.2d 17 (1949)
      - City of Los Angeles v. City of San Fernando, 14 Cal.3d 199, 537 P.2d 1250, 123 Cal. Rptr. 1 (1975)

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      - KAHRLE, WATER AND POWER: THE CONFLICT OVER LOS ANGELES' WATER SUPPLY IN THE OWENS VALLEY (University of California Press, 1982)
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- Water Resources Conservation and Efficiency Act (Proposition 13, November 2, 1982) (unsuccessful initiative measure)
- AB 797 (Klehs) (pending urban water conservation measure)
- ENVIRONMENTAL DEFENSE FUND, TRADING CONSERVATION INVESTMENTS FOR WATER (1983)
- DAVENPORT & HAGEN, AGRICULTURAL WATER CONSERVATION IN CALIFORNIA, WITH EMPHASIS ON THE SAN JOAQUIN VALLEY (1982)

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OWENS VALLEY GROUNDWATER MANAGEMENT
REFERENDUM MEASURE A
Fell Text of Ordinance

AN ORDINANCE TO REGULATE THE EXTRACTION OF GROUNDWATER
WITHIN THE OWENS VALLEY GROUNDWATER BASIN

Section 1. The people of the County of Inyo do ordain as follows:

CHAPTER 7.01
GROUNDWATER EXTRACTION

Section 7.01.010 Declaration of findings and purpose.

The Board of Supervisors does hereby find and declare as follows:

(a) The groundwater basin of the Owens Valley has historically supplied the people and land of Inyo County with spring flow water and a high water table, which has sustained vegetation and wildlife in an otherwise desert environment.

(b) The groundwater basin of the Owens Valley forms a significant water resource of the State of California, which must be managed in trust for the benefit of the State's entire population, and must be conserved so that it may be perpetually placed to the reasonable and beneficial use of all its potential users.

(c) The groundwater basin of the Owens Valley must be managed and operated for the maximum long-range benefit of the environment, as well as for municipal and agricultural uses, by removing and mitigating all adverse environmental effects caused by groundwater extraction and surface water diversion by whatever feasible means are available.

(d) In recent years the groundwater basin of the Owens Valley has not been managed in consonance with the findings declared in (a), (b) and (c) above, as a consequence of which unnecessary and excessive drawdown of the groundwater table has occurred. Together with other adverse environmental effects, producing detriment to the people, health and economy of the County of Inyo, the lowering of the water table has directly led to a loss of vegetation and indirectly to a reduction in irrigated acreage. As a consequence of the recent environmental changes, the California Department of Water Resources in Bulletin 118-80 has identified the Owens Valley as an area of special concern.

(e) Inyo County has a paramount right and duty to govern the management and extraction of resources within its jurisdiction in order to protect the health, welfare and safety of the citizens of Inyo County.

(f) In order to protect its people, environment and economy, the County of Inyo must adopt a systematic regulation of extractions from the groundwater basin of the Owens Valley; this regulation must consider environmental and economic factors in the area of origin and the area of use, coordinated use of surface and groundwater resources, and the implementation of water conservation and other feasible preferred alternatives to extraction.

(g) To implement the systematic regulation of groundwater extractions, the County of Inyo must undertake the preparation of a water management plan for both groundwater and the inherently integrated surface water resources of the Owens Valley.

Section 7.01.020 Definitions and Establishments.

(a) "Director" means the Director of the Inyo County Water Department, hereby established by enactment of this ordinance. The Director will be appointed by the Board of Supervisors to serve at its pleasure and will report to the County Administrative Officer of the County of Inyo. The Director is empowered to employ such staff as necessary and approved by the Board of Supervisors.

(b) "Administration of the extraction permit application" includes the processing and evaluation of all permit applications, inspection of the execution of permits that have been granted, the performance of technical studies necessary to effectuate the purposes of this chapter, the performance of professional services necessary to execute the purposes of this chapter, and the preparation of a water management plan.

(c) "Water Management Plan" refers to a document to be prepared by the Inyo County Water Department and approved by the Inyo County Board of Supervisors, the plan will address the extraction and allocation of the groundwater of the Owens Valley and the correlative distribution of that basin's surface water, the plan will form the basis for the approval, denial, and/or terms and conditions of each groundwater extraction permit.

(d) "Water Commission" or "Commission" refers to a board appointed by the Board of Supervisors pursuant to this ordinance. The Commission shall be composed of five members, all residents in the Owens Valley Groundwater Basin. Each member of the Water Commission will be appointed for a term of four years with the initial periods of appointment determined by lot to produce staggered terms.

(e) "Person" means any person, firm, corporation, or governmental agency (except the United States government to the extent that federal law preempts this ordinance).

(f) "Groundwater" means all water contained within the zone of saturation.

(g) "Owens Valley Groundwater Basin" means that area of the Owens Valley within the County of Inyo, California, beginning at the intersection of the Mono County Line and the western boundary of the Inyo Range portion of the Inyo National Forest, thence generally southerly and easterly along the western boundary of the Inyo Range portion of the Inyo National Forest to the intersection of the southerly boundary of the Inyo Range portion of the Inyo National Forest and the eastern boundary of Range 36 East, thence southerly along the eastern boundary of Range 36 East to the southern boundary of Township 1 North, thence along a line bearing 135 degrees to the intersection of that line with the northern boundary of Township 1 North; thence westerly along the southern boundary of Township 1 North and its extension to the intersection of that boundary with the eastern boundary of the Sierra Nevada Range portion of the Inyo National Forest, thence generally northerly along the eastern boundary of the Sierra Nevada Range portion of the Inyo National Forest to the intersection of that boundary with the Mono County Line, thence easterly along the Mono County Line to the point of beginning.

(h) "Groundwater extraction" means removal of groundwater by artificial means from the groundwater basin, or by artificial means of natural recharge from surface water into the groundwater basin.

(i) "Groundwater table" means the level of the surface of saturation within the aquifer.

(j) "Well" means any artificial excavation constructed by any method for the purpose of extracting water from or injecting water into the underground for making tests or observations of underground conditions, or any other wells whose regulation is necessary to fulfill the purposes of this chapter. Wells shall not include:

1. Oil and gas wells, except those wells converted to use as water wells;
2. Wells used for the purpose of:
   a. Dewatering excavation during construction, and
   b. Stabilizing hillside or earth embankments;
3. Test or exploratory holes for soil testing, mineral exploration, or seismic exploration where such holes are less than twenty-five feet deep;
4. Holes or excavation for soil percolation tests where such holes are less than ten feet deep.

Section 7.01.030 Water Management Plan and Groundwater Extraction Standards.

This ordinance shall authorize the County of Inyo to undertake the preparation of a Water Management Plan for the groundwater and related surface water resources of the Owens Valley and to develop groundwater extraction standards. Both surface and groundwater will be included in the water management plan to the extent that they are interchangeable in terms of their use. The water management plan will identify and quantify the water resources of the Owens Valley Groundwater Basin and will specify water use programs which are consistent with the health and welfare of the County's citizens, and to the extent feasible, with the County's land use plans and the needs of the parties holding water rights. The Water Management Plan and all permits and exemptions granted pursuant to this chapter, to the extent practically feasible, shall be consistent with and shall implement the following groundwater extraction standards:

(a) The paramount protection of Inyo County's citizens, environment and economy.
(b) Correction or mitigation of observed significant environmental damage.
(c) Maintenance of the groundwater table at a depth that will support natural vegetation and (continued on next page)
Section 7.01.031 Plan: Process.

The Director and his staff and/or consultants will draft the Water Management Plan. The Commission will review the document and hold public workshops, and stipulate modifications as necessary. The Plan will be approved by the Board of Supervisors only after the Commission has completed its review and the Board has held public hearings. No more than nine (9) months will elapse between the authorization of this ordinance and approval of the Plan by the Board of Supervisors, unless the Board of Supervisors determines that there is good cause for an extension of the time necessary for preparing the Water Management Plan. The Plan can be modified as needed, but only as authorized by the Board of Supervisors after the appropriate public hearings. Both the Water Commission and the Board of Supervisors may recommend modifications.

Section 7.01.040 Permit.

An extractor of groundwater shall file its application for a permit to the Director of the Inyo Water Department and in that application shall include the following data for the pumping year ending on March 31 of the year following the year of application.

(a) Location, maximum extraction rate, depth and all other information required in the Water Well Drillers Report (Section 13750, California Water Code) of each well including observation wells owned or controlled by the extractor.

(b) Location, planned monthly extraction rate, and depth of each well proposed for operations.

(c) Description of time periods within the Owens Valley Groundwater Basin in which each well is proposed for operation.

(d) Description of the adverse environmental effects of the extraction, the individual well, groups of wells (if applicable), and by the extractor's entire operation.

(e) Proposed or feasible use or change in related operations of surface water, if any, including designs used to mitigate or eliminate the adverse environmental effects described in (d) above.

(f) Intended beneficial use of the extracted groundwater and related surface supplies, by individual wells, groups of wells (if applicable), and by the entirety of the extractor's operation.

(g) A description by quantification and location of each end use of the needs of the extractor which the extraction is designed to meet.

(h) A description of alternatives available to the extractor to meet the needs described in (g) above, including specifications and quantification of the alternative of water conservation

Section 7.01.042 Permit Process During Interim Period

In the time period between the enactment of this ordinance and the final approval of the Water Management Plan, Inyo County will implement an interim permit process for groundwater pumping. All persons extracting groundwater must submit the necessary application and data as required under Section 7.01.040 of this ordinance within thirty (30) days of notice by the Department. Notice shall be provided by publication in a newspaper of general circulation in Inyo County, and posting at the Courthouse in Independence and the County Services Building in Bishop. Not more than three (3) weeks after receipt of the applications, the Director will recommend approval, denial, or approval with stipulated conditions of the permit to the Commission. No sooner than three (3) weeks after the receipt of the applications, the Commissioner will hold public hearings on all those applications to extract groundwater which have been timely received. Within two (2) weeks after the close of the hearings, the Commission shall issue its decision, denying each application. The permits will be conditional pending completion of the Water Management Plan. In reaching its decision the Commission shall be bound by the standards set forth in Section 7.01.030 above. There will be no appeal from the interim decisions of the Commission.

Section 7.01.043 Permit: Process After Adoption of Water Plan

Permit application shall be made, reviewed, and adjudicated according to the following process:

(a) Not later than one month after the adoption of the water management plan, and not later than February 1 of each calendar year thereafter, the applicant shall submit to the Water Department five (5) copies of its application for extraction as described above. The application form shall be developed by the Director and shall be made available to all potential applicants. The Director, for good cause, may increase the number of copies required.

(b) Within three (3) working days after the time for filing applications has passed, the Director shall forward a copy of each application, together with a request for guidance or comments, to the affected county departments including but not limited to, the District Attorney, the County Counsel, the Planning Department, the Public Works Department, the County Health Officer and the Agricultural Commissioner of Inyo County, and to the Department of Water Resources, State Water Resources Control Board, South Lahontan Regional Water Quality Control Board, Great Basin Air Pollution Control District, U.S. Forest Service, Bureau of Land Management, Inyo-Mono Association of Government Entities and any other governmental agency requesting such opportunity.

(c) Upon receipt of the permit application, the Director shall review the application with the affected county departments including those listed in (b) above.

(d) Not later than six (6) weeks after the date on which applications are due, the Director shall prepare a recommendation to the Commission for approval, denial or modification of each application. The Director may recommend that the application be placed on a consent calendar. The Director's recommendation shall be consistent with the groundwater management plan and shall be based upon a review of hydrologic, environmental and economic consequences of the proposed groundwater pumping.

(e) No sooner than eight (8) weeks after the date on which applications are due, the Inyo County Water Commission will hold public hearings on all applications to extract groundwater which have been timely received. As soon as the time for filing applications has passed, and in no event less than seven (7) days prior to the hearing, the applicants shall be notified of public hearings on groundwater extraction applications and notices of these hearings and a description of all applications received shall be published in at least one newspaper of general circulation in Inyo County, and posted in the Courthouse in Independence and the County Services Building in Bishop.

(f) At the public hearings conducted by the County Water Commission, the Director shall present his recommendations. The applicant, any affected federal, state or local agency, any person adversely affected by the application, and any citizens of the County of Inyo may appear to testify, in writing or orally or both, in favor or against the application. The hearings will remain open for a maximum of two (2) weeks.

(Continued on next page)
MEASURE A ORDINANCE, CONTINUED

(g) If an application appears on the consent calendar recommended by the Director and no member of the Commission objects, that application, without further proceedings described in subdivision (l) through (m) of this section, shall be deemed approved. If any member of the Commission objects to an item on the consent calendar, it shall be removed from that calendar and subject to the hearings and determination process of this section.

(h) Within three (3) weeks after the close of the hearings described above, the Commission shall issue its decision granting, denying, or conditionally granting each application. Three affirmative votes shall be required to grant or conditionally grant an application. In rendering its decision, the Commission shall be bound by the standards set forth in Section 7.01.030 above and the Water Management Plan. If a permit is granted, it shall designate for each well the amounts of groundwater extraction authorized in the term of the permit.

(i) Within fourteen (14) days after the Commission renders its decision, the applicant or any person adversely affected by the application, upon payment of a reasonable fee set by resolution of the Board of Supervisors, may appeal the Commission’s decision to the Board of Supervisors. Said appeal shall be in writing and shall specify in detail the grounds on which the appeal is based.

(j) No later than fourteen (14) days after the filing of the last of any appeals permitted by this section, the Board of Supervisors shall conduct a public hearing of any applications so appealed; provided, however, that notice of the time and place of such hearing shall be provided at least seven (7) days in advance to the applicant and any person requesting such notice and by publication in a newspaper of general circulation in Inyo County, and posting at the Courthouse in Independence and the County Services Building in Bishop. Prior to commencement of the hearing, the Board may dismiss any appeal found to be lacking in substance.

(k) The record of the Commission hearing shall be incorporated as the record of the Board hearing, although the Board may call witnesses if it so desires, and shall receive other testimony or evidence that the Board may desire, although the Board may call witnesses if it so desires, and shall receive other testimony or evidence that the Board may desire. In determining each application, the Board of Supervisors shall be bound by the same standards that apply to the Commission as specified in subdivision (h) of this section.

(l) The filing of an appeal pursuant to this section shall not stay the decision of the Commission being appealed, unless the Board of Supervisors for good cause states in writing orders such a stay pending its own determination of the application.

(m) The Board shall hear the appeal(s) for not more than two (2) weeks and render a final decision not more than two (2) weeks after the conclusion of its public hearing. Three affirmative votes shall be required to modify, reverse or vacate the decision of the Commission.

Section 7.01.044 Permit: Duration
Each permit for extraction issued shall be effective for a period not to exceed one (1) year, commencing on the first day of the month specified by the Director. All permits shall expire on March 31st of the subsequent year, except those expressly exempted by the Commission.

Section 7.01.045 Permit: Modification
By application filed on May 1st, August 1st, or November 1st, a groundwater extractor, or the Director on his or her own motion, may seek modification of a permit in accordance with the procedure outlined in Section 7.01.042 above. A permit may be modified to increase or decrease the amounts, location, times of extraction, or use of groundwater.

Section 7.01.050 Reports: Extraction
Each groundwater extractor to whom a permit for extraction has been granted, unless expressly exempted by the Commission, shall, for the term of that permit, render monthly reports as follows:

(a) By the 15th of each month of the permit year, a report listing each well operated, the quantity of water extracted by each well during the preceding month, projected amounts of water to be extracted from each well and from all the extractor’s wells inclusive for each month of the remainder of the permit year, and the use and location of use of the extracted groundwater from each well and the related surface water.

Section 7.01.051 Reports: Environmental Monitoring
Unless expressly exempted by the Water Commission
MEASURE A ORDINANCE, CONTINUED

Section 7.01.100 Violation: Civil Penalty

Any extractor who violates any provision of this chapter, whether or not a stop order has been issued, shall be subject to a civil penalty not to exceed $500.00 per acre-foot of water unlawfully extracted.

Section 7.01.101 Violation: Criminal Penalty

Any person who violates any provision of this chapter with intent to do so, whether or not a stop order has been issued, shall be guilty of a misdemeanor, punishable by fine not exceeding $500.00 per violation, or by imprisonment not exceeding six (6) months, or by both such fine and imprisonment; and any extractor shall be deemed guilty of a separate offense for each and every day or portion thereof during which any such violation is committed, continued, or permitted, and for each and every separate well with which any such violation is committed, continued, or permitted; and for each such subject violation of day or well, shall be subject to the same punishment as for the original offense.

Section 7.01.200 Severability.

If a court of competent jurisdiction holds this Chapter or any of its provisions invalid, or application of this Chapter or any of its provisions invalid as to any person, the remaining valid portions of this Chapter and its valid application to other persons shall continue in full force and effect, to the end that portions or applications held invalid shall be severable; but if this Chapter or any provision of this Chapter is held inapplicable to any person that has extracted more than one-third of the groundwater extracted from the Owens Valley Groundwater Basin in the 10 years preceding the enactment of this Chapter, then, for the duration of that holding, that portion of this Chapter held inapplicable to such an extractor shall become inapplicable to all extractors, to the end that any portion of this Chapter not applicable to at least one-third of the groundwater extraction shall be inapplicable to all. In the event that Section 7.01.060 is declared invalid because it establishes fees of two classes, that Section shall be then deemed reenacted to provide for all fees to be of a single class.

Section 7.01.201 Amendments.

The Board of Supervisors may amend this chapter or any of its provisions.

Section 2. Upon enactment of Chapter 7.01, the Clerk of the Board of Supervisors will pursuant to the California Environmental Quality Act of 1970 immediately file with the County Clerks of Inyo and Los Angeles Counties a negative declaration based upon the initial study dated May 19, 1980, prepared by the County's planning consultants.

IMPARTIAL ANALYSIS BY COUNTY COUNSEL

OWENS VALLEY GROUNDWATER MANAGEMENT
REFERENDUM MEASURE A

A "YES" vote on this proposal will authorize the County to establish a water commission composed of five residents of the Owens Valley, who will be charged to prepare a management plan for the Owens Valley Groundwater Basin, and then use that plan to grant or deny permits for groundwater extraction within the Valley. The water commission would remain accountable to the people through their Board of Supervisors, inasmuch as the commission would be appointed by the Board, and all decisions of the water commission, whether in adopting or amending a management plan, or approving or disapproving groundwater pumping in the basin, would be subject to final action by the Board of Supervisors.

The ordinance would require all pumpers to submit an annual report on their intended extraction, and to finance the administration of the ordinance through a fee based upon the amount of water extracted. The average small rancher, and any domestic user not selling its water to others, would pay the lowest fee, and annually submit a brief report on a form provided by the County. Larger extractors would be required to submit more extensive reports, depending upon how much water was pumped and whether or not it would be used at the place of extraction. The larger extractors would pay a larger fee, because they would be extracting more water, and those extractors who took water from one part of the Valley to be used in another part of the Valley or out of the Valley altogether would pay a yet higher fee to underwrite the higher cost of evaluating such complex water use.

Under existing law there is no regulation of groundwater pumping in the Owens Valley. This proposed ordinance would establish a County department charged with the duty of managing the Owens Valley Groundwater Basin for the benefit of the public as a whole. The ordinance also provides both civil and criminal penalties for violations, and gives the power to the Board of Supervisors to amend at any time.

The ordinance becomes inoperable if it is held to be inapplicable to a water extractor who has extracted more than one-third of the water from the Owens Valley Groundwater Basin in the prior ten years preceding the enactment date.

Creation of the water department and commission will not in itself produce any environmental effects. Therefore, this ordinance would not in any event require a full environmental impact report (EIR). Subsequent actions, such as adoption and application of a water plan would likely affect the environment and therefore require preparation of an EIR then. Whether adoption of interim controls might also require EIR should be decided when the interim controls are considered. To guarantee preparation of subsequent environmental documentation, while preparing no EIR at this time, the ordinance legally adopts the consultants' environmental study.

A "NO" vote on this measure is a vote against the establishment of groundwater management by ordinance in the Owens Valley.

s/Dennis L Myers
County Counsel