

**SACRAMENTO CENTRAL GROUNDWATER AUTHORITY
SUSTAINABLE GROUNDWATER MANAGEMENT ACT SUB-COMMITTEE
MEETING**

Wednesday, July 29, 2015; 1:30 PM

10060 Goethe Road

Sacramento, CA 95827

SRCSD/SASD Office Building – Valley Oak Community Room

1. CALL TO ORDER AND ROLL CALL

2. SUB-COMMITTEE PURPOSE

3. SCGA BOUNDARY ADJUSTMENT

4. STAKEHOLDER OUTREACH

5. ACTION ITEMS/NEXT STEPS/ASSIGNMENTS

ADJOURNMENT

Upcoming meetings –

Next SCGA Board of Directors Meeting – Wednesday, September 9, 2015, 9:00 am;
SASD South Conference Room 1212 Sunset Maple

CALIFORNIA CODE OF REGULATIONS
TITLE 23. WATERS
DIVISION 2. DEPARTMENT OF WATER RESOURCES
CHAPTER 1.5. GROUNDWATER MANAGEMENT
SUBCHAPTER 1. GROUNDWATER BASIN BOUNDARIES

ARTICLE 1. Introductory Provisions

§ 340. Authority and Purpose

These regulations specify the information a local agency is required to provide when requesting that the Department revise the boundaries of a basin, including the establishment of new subbasins, and the methodology and criteria used by the Department to evaluate a change to existing basin boundaries.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Sections 10722.2 and 12924, Water Code.

§ 340.2. Intent

The revision of any basin boundaries or creation of new subbasins approved by the Department shall be consistent with the State's interest in the sustainable management of groundwater basins as expressed in the Sustainable Groundwater Management Act (Part 2.74 of Division 6 of the Water Code, beginning with Section 10720).

Note: Authority cited: Section 10722.2, Water Code.

Reference: Sections 10720.1, Water Code.

§ 340.4. Basin Boundaries

Unless other basin boundaries are established pursuant to these regulations, a basin's boundaries shall be as identified in Bulletin 118. The unambiguous written description of a basin boundary in Bulletin 118 shall prevail over any inconsistent basin boundary as depicted on a map, in an electronic data file, or otherwise, except when modified pursuant to these regulations. Any discrepancy or uncertainty shall be resolved by the Department based upon the best available technical information.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Sections 10721(b), 10722, 10722.2, and 12924, Water Code.

ARTICLE 2. DEFINITIONS

§ 341. Definitions

In addition to terms defined in the Sustainable Groundwater Management Act and in Bulletin 118, which definitions apply to these regulations, the following terms used in this Subchapter have the following meanings:

- (a) “Act” means the Sustainable Groundwater Management Act (Part 2.74 of Division 6 of the Water Code, beginning with Section 10720).
- (b) “Administrative adjustment” means a basin or subbasin boundary adjustment by the Department that either (1) amends existing basin boundary data files to accurately reflect an unambiguous written basin boundary description as defined in Bulletin 118 or amended pursuant to this Part, or (2) restates the definition of a basin boundary definition to more precisely reflect a mapped basin boundary consistent with the original definition.
- (c) “Affected agency” means a local agency, as defined in Water Code section 10721(m), whose jurisdictional area would, as a result of a boundary modification, include more, fewer, or different basins or subbasins than without the modification.
- (d) “Affected basin” means a basin or subbasin where the ability to achieve sustainable groundwater management could be significantly affected by groundwater use or management practices in another existing or proposed basin or subbasin. An adjacent basin or subbasin is presumed to be an affected basin for purposes of this Subchapter. The Department may determine a non-adjacent basin or subbasin is an affected basin if convincing evidence shows that the hydraulic connection to another basin is likely to affect the ability of the non-adjacent basin to achieve sustainable groundwater management over the planning and implementation horizon.
- (e) “Affected system” means a public water system, as defined in Water Code section 10721(r), whose service area would, as a result of a boundary modification, include more, fewer, or different basins or subbasins than without the modification.
- (f) “Basin consolidation” refers to any boundary modification that would reduce the number of subbasins within a basin or merge two or more adjacent basins but would change only shared boundaries and would not change the external boundary of any basin or subbasin.

- (g) “Basin subdivision” refers to any boundary modification that would increase the number of subbasins within a basin or subbasin.
- (h) “Boundary modification” means a change to the boundaries of an existing basin or subbasin or the establishment of a new subbasin.
- (i) “Commission” means the California Water Commission.
- (j) “County basin consolidation” means the consolidation of all contiguous basins or subbasins within a county into a single basin or subbasin whose boundaries do not extend beyond those of the county. If there are non-contiguous basins within a county, the consolidation applies separately to each basin or group of contiguous basins in the county. A county basin consolidation may redefine the shared boundaries of one or more adjacent basins or subbasins, but would not result in a net change in the amount of area included within a basin.
- (k) “Department” means the Department of Water Resources.
- (l) “External boundary modification” refers to any proposal that would modify the boundary between the groundwater basin and the area outside the basin.
- (m) “GIS” means a Geographic Information System that collects, stores, analyzes, and displays spatial or geographically referenced data.
- (n) “Hydrogeologic barrier” refers to any subsurface feature that significantly impedes lateral groundwater flow.
- (o) “Hydrogeologic conceptual model” means a description of the geologic and hydrologic framework governing groundwater flow through and across the boundaries of a basin and the general groundwater conditions in a basin.
- (p) “Internal boundary modification” refers to any boundary modification that would adjust the location of a boundary between subbasins within a basin or the shared boundary between adjacent basins.
- (q) “Professional engineer” means a professional engineer licensed pursuant to Business and Professions Code, Division 3, Chapter 7, Section 6700 et seq.
- (r) “Professional geologist” means a professional geologist licensed pursuant to Business and Professions Code, Division 3, Chapter 12.5, Section 7800 et seq.
- (s) “Qualified map” means a geologic map of a scale no smaller than 1:250,000 that is published by the U. S. Geological Survey or the California Geological Survey, or is a map or report of a geologic investigation conducted by a state or federal agency, or is a geologic map prepared and signed by a professional geologist that is acceptable to the Department.

- (t) “Requesting agency” means the local agency that requests a boundary modification as authorized by Water Code section 10722.2.
- (u) “Revision request manager” is an employee or authorized representative of a requesting agency who has been delegated responsibility for submitting the boundary modification request and serving as the point of contact between the requesting agency and the Department.
- (v) “State” means the State of California.
- (w) “Technical study” means a geologic or hydrologic report prepared and published by a state or federal agency, or a study published in a peer-reviewed scientific journal, or a report prepared and signed by a professional geologist or by a professional engineer.
- (x) “Written notice” means notification by e-mail or U.S. Mail.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Division 3, Chapter 12.5, Section 7800 et seq., and Chapter 7, Section 6700 et seq., Business and Professions Code; Sections 25299.97 and 116275, Health & Safety Code, Sections 10721, 10722.2, and 12924, Water Code.

ARTICLE 3. BOUNDARY MODIFICATION CATEGORIES

§ 342. Introduction to Boundary Modifications

This Article describes different categories of boundary modifications. The identified categories are scientific modification, based on geologic or hydrologic criteria, and jurisdictional modification, which promote the adoption and implementation of effective sustainable management plans and enhance local management of groundwater. An administrative adjustment does not constitute a modification subject to this Subchapter.

For purposes of this Subchapter, a groundwater basin generally refers to an alluvial aquifer or stacked series of alluvial aquifers with a minimum thickness of 25 feet, with reasonably well-defined boundaries in a lateral direction, based on features that significantly impeded groundwater flow, and a definable bottom characterized by rock or sediment of low permeability or the base of fresh water, as further described or defined in Bulletin 118.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Sections 10720.1, 10722.2 and 12924, Water Code.

§ 342.2. Scientific Modification

A scientific modification to a basin boundary consists of one of the following modifications and involves the addition, deletion, or relocation of a boundary based on the geologic or hydrologic conditions that define a groundwater basin:

- (a) An external boundary modification. Except in the case of some basin consolidations, external basin boundaries will only be modified as a result of scientific modifications.
- (b) A hydrogeologic barrier modification.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Sections 10720.1 and 12924, Water Code.

§ 342.4. Jurisdictional Modification

A jurisdictional modification to a basin boundary consists of one of the following modifications to promote the adoption and implementation of effective sustainable management plans and enhance local management of groundwater:

- (a) Internal boundary modification,
- (b) Basin consolidation, including county basin consolidation, or
- (c) Basin subdivision.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Sections 10720.1 and 12924, Water Code.

§ 342.6. Other Boundary Modifications

Any boundary modification that does not conform to the categories specified in this article may be considered by the Department based on information the Department deems adequate to evaluate the modification in accordance with section 10722.2 of the Water Code.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Sections 10720.1 and 12924, Water Code.

ARTICLE 4. PROCEDURES FOR MODIFICATION REQUEST OR PROTEST

§ 343. Introduction to Procedures

This Article describes procedural requirements related to boundary modification requests and protests to those requests.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Section 10722.2, Water Code.

§ 343.2. Eligibility to Request Boundary Modification

A request for boundary modification may be initiated by a local agency whose jurisdiction lies within or borders the basin or subbasin for which boundary modification is sought.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Section 10722.2, Water Code.

§ 343.4. Forms and Instructions

The Department shall make the forms and instructions for boundary modification requests available on its Internet Web site.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Section 10722.2, Water Code.

§ 343.6. Combination of Requests

Requesting agencies shall combine all boundary modification requests that affect the same basin or subbasin and shall coordinate with other affected agencies and affected systems, as necessary, to present the information as a single request. The Department may consider or adopt all or any part of a combined basin modification request.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Section 10722.2, Water Code.

§ 343.8. Review Periods

Prior to updating or revising Bulletin 118, the Department shall establish review periods during which boundary modification requests will be accepted and evaluated. The Department will announce the start of each review period on its Internet Web site at least 60 days before the review period begins, and each review period will remain open at least 60 days.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Section 10722.2 and 12924, Water Code.

§ 343.10. Status of Request

(a) The Department shall acknowledge all boundary modification requests by written notice within ten (10) working days of receipt and shall post all materials received on the Department's Internet Web site.

(b) The Department shall determine whether the boundary modification request is complete and provide written notice to the requesting agency of its determination or of the need for additional information.

(1) A boundary modification request will be deemed complete if it substantially complies with the requirements of this Subchapter. Substantial compliance means that the requesting agency has attempted to comply with these regulations and the legislative intent of the Act in good faith, and the information submitted and the form of submission are sufficiently detailed and necessary, as determined by the Department to process the boundary modification request.

(2) The Department will not evaluate a boundary modification request until all information required by this Subchapter or specifically requested by the Department has been provided. However, the Department may begin its evaluation before evidence of local support described in Section 344.8 has been made available if the requesting agency affirms that the required support is likely to be forthcoming.

(c) When the Department determines that a request for boundary modification is complete, the Department shall update information posted to the Department's Internet Web site to reflect that the Department is prepared to review the request on its merits and to accept protests to the request pursuant to Section 343.12.

(d) The requesting agency shall, upon receiving notice that the request is complete, notify all interested local agencies and public water systems and any other person

or entity who has expressed an interest in receiving notification of the proposed modification to the requesting agency.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Section 10722.2, Water Code.

§ 343.12. Protests

(a) Any person may protest a basin modification request as follows:

(1) Protests must be submitted electronically to the Department within 30 days after receiving the notice required by Section 343.10(d), with a duplicate copy sent to the requesting agency the same day.

(2) The protest must include the name, address, and e-mail address of the protestant.

(3) The protest must include a clear statement of the protesting entity's objections.

(4) A protest must rely on the same type of scientific and technical information, and will be evaluated by the same criteria, as the particular basin modification request to which it is addressed.

(b) The Department shall post all protests on the Department's Internet Web site.

(c) The Department is not required to respond to protests, but will consider protests as part of its evaluation of a request.

(d) The Department shall give the requesting agency a reasonable opportunity to respond to protests.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Section 10722.2, Water Code.

ARTICLE 5. SUPPORTING INFORMATION

§ 344. Introduction to Supporting Information

This Article describes the type of information that a requesting agency is either required or encouraged to provide to support a boundary modification request.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Section 10722.2, Water Code.

§ 344.2. Requesting Agency Information

Each request for boundary modification shall include the following information:

- (a) The name and physical address of the requesting agency.
- (b) A copy of the statutory or other legal authority under which the requesting agency was created with specific citations to the provisions setting forth the duties and responsibilities of the agency.
- (c) A copy of the resolution adopted by the requesting agency formally initiating the boundary modification request process.
- (d) The name and contact information, including phone number, mailing address and e-mail address, of the revision request manager.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Section 10722.2, Water Code.

§ 344.4. Notice and Consultation

Each request for boundary modification shall include information demonstrating that the requesting agency consulted with interested local agencies and public water systems in the affected basins including, but not limited to, the following:

- (a) A list of local agencies and public water systems in the affected basins.
- (b) An explanation of the methods used to identify interested local agencies and public water systems in the affected basins.

- (c) Information regarding the nature of consultation, including copies of correspondence with local agencies and public water systems and any other persons or entities consulted, as appropriate.
- (d) A summary of all public meetings at which the proposed boundary modification was discussed or considered by the requesting agency, including copies of agendas and notices published.
- (e) A copy of all comments regarding the proposed boundary modification received by the requesting agency and a summary of any responses made by the requesting agency.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Section 10722.2, Water Code.

§ 344.6. Description of Proposed Boundary Modification

- (a) Each request for boundary modification shall include a concise description of the proposed modification, including an overview of the request and a description or explanation of the following:
 - (1) The category of boundary modification proposed.
 - (2) The identification of all affected basins.
 - (3) A proposed name for each new subbasin or consolidated basin, if applicable.
- (b) Each request for a jurisdictional boundary modification pursuant to Section 342.4 shall also include the following:
 - (1) An explanation of how sustainable groundwater management exists or could likely be achieved in the basin under the following circumstances:
 - (A) Under the existing basin boundaries.
 - (B) Under the proposed boundary modification.
 - (2) An explanation of how the proposed boundary modification would affect the ability of adjacent basins to sustainably manage groundwater in those basins.
 - (3) A historical summary of the sustainable management of groundwater levels in the proposed basin.
 - (4) A discussion of potential impact to state programs resulting from the proposed boundary modification, including, but not limited to the California Statewide Groundwater Elevation Monitoring (Water Code section 10920 et seq.), Groundwater Management Plans developed pursuant to AB 3030 (Water

Code section 10750 et seq.), Groundwater Sustainability Plans developed pursuant to the Sustainable Groundwater Management Act (Water Code section 10720 et seq.), any applicable state or regional board plans, and other water management and land use programs.

(c) Any other information deemed necessary by the Department.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Section 10722.2, Water Code.

§ 344.8. Local Support

(a) A requesting agency shall demonstrate local support for a proposed jurisdictional boundary modification pursuant to Section 342.4 as follows:

(1) A request that involves an internal boundary modification shall provide information demonstrating that the modification is supported by each affected agency and affected system.

(2) A request that involves a basin consolidation or county basin consolidation shall provide information demonstrating that the requesting agency notified each affected agency and affected system and that a majority of affected agencies and affected systems support the boundary modification.

(3) A request that involves basin subdivision shall provide information demonstrating that the boundary modification is supported by each local agency and by each public water system in the affected basin(s).

(b) Evidence of local support from any local agency shall consist of a copy of a resolution formally adopted by the decision-making body of the agency.

(c) Evidence of local support from any public water system shall consist of a copy of a resolution formally adopted by the decision-making body of the system or a letter of support signed by an executive officer with appropriate delegated authority.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Section 10722.2, Water Code.

§ 344.10. General Information

Each request for boundary modification shall include the following general information:

(a) A description of the lateral boundaries of the alluvial aquifer or aquifers that form the groundwater basin and the definable bottom of the basin. The description shall be in terms that are clear and definite and sufficiently detailed to allow an authoritative map of the proposed lateral basin boundaries to be plotted from that description.

(b) A graphical map of adequate scale showing the proposed basin boundary in relation to the existing Bulletin-118 basin boundary and the local agencies that are within or bordering on the proposed basin.

(c) A GIS file of the proposed groundwater basin boundaries and the jurisdictional boundaries of any affected local agency.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Sections 10722.2 and 12924, Water Code.

§ 344.12. Hydrogeologic Conceptual Model

Each request for boundary modification, except for an internal boundary modification pursuant to Section 342.4(a), shall include a clearly defined hydrogeologic conceptual model demonstrating the following:

(a) Principal aquifer units within the basin.

(b) Lateral boundaries of the proposed basin, including:

(1) Geologic features that significantly impede or impact groundwater flow.

(2) Aquifer characteristics that significantly impede or impact groundwater flow.

(3) Significant geologic and hydrologic features and conditions of the principal aquifer units, as appropriate, including information regarding the confined or unconfined nature of the aquifer, facies changes, truncation of units, the presence of faults or folds that impede groundwater flow, or other groundwater flow restricting features within the basin.

(4) Key surface water bodies, groundwater divides and significant recharge sources.

(c) Recharge and discharge areas within the basin.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Sections 10722.2 and 12924, Water Code.

§ 344.14. Technical Studies for Scientific Modifications

(a) Each request for a scientific modification pursuant to Section 342.2 shall include information that demonstrates the areal and vertical extent of alluvial aquifer material, including the following:

(1) A qualified map that depicts surficial geology illustrating the type, location, and extent of alluvium or similar bodies of rock or sediment that is sufficiently porous and permeable to store, transmit, and yield significant or economic quantities of groundwater to wells and springs.

(2) Subsurface data that demonstrates the vertical thickness and relevant physical properties of the alluvial aquifer or stacked series of alluvial aquifers.

(b) In addition to the information required in subsection (a), each request for scientific modification involving a hydrogeologic barrier pursuant to Section 342.2(b) shall demonstrate the presence or absence of subsurface restrictions on lateral groundwater flow, such as impermeable material, fault, or groundwater divide, based on the following information:

(1) A qualified map depicting structural geologic features that could significantly impact or impede lateral groundwater flow.

(2) Geologic and hydrologic evidence of groundwater conditions including, as appropriate:

(A) Historical and current potentiometric surface maps of the aquifer system within the vicinity of proposed boundary modification.

(B) Aquifer performance testing results demonstrating basin boundary condition response.

(C) Water quality information of the aquifer system including but not limited to general water quality parameters and isotopic analysis.

(D) Supporting certified geophysical studies.

(E) Other information that the requesting agency considers relevant to the request.

(3) Other technical information required by the Department.

(c) A request for a scientific modification to an external boundary pursuant to Section 342.2(a) may utilize any of the information in subsection (b) if the requesting agency believes it may assist the Department in its evaluation.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Sections 10722.2 and 12924, Water Code.

§ 344.16. Technical Studies for Jurisdictional Modifications

(a) Each request for a boundary modification that involves a jurisdictional modification pursuant to Section 342.4 shall include the following:

(1) A water management plan that covers or is in the immediate vicinity of the proposed basin or portion of the proposed basin and satisfies the requirement of Water Code sections 10753.7(a) or 10727, through one of the following:

(A) An adopted groundwater management plan, a basin wide management plan, or other integrated regional water management program or plan that meets the requirements of Water Code section 10753.7(a).

(B) Management pursuant to an adjudication action.

(C) One or more technical studies that cover the relevant portion of a basin or subbasin and adjacent areas.

(D) A valid Groundwater Sustainability Plan adopted pursuant to the Act.

(b) Each request for a boundary modification that involves a basin subdivision pursuant to Section 342.4(c) shall provide a description and supporting documentation of historical and current conditions and coordination within the existing basin or subbasin on the following components, where applicable:

(1) Groundwater level monitoring programs, historical and current groundwater level trends, and areas of significant groundwater level declines.

(2) Groundwater quality issues within the proposed and existing basin that may impact the supply of usable groundwater, including a map of known impacted sites and areas, mitigation measures planned or in place, and a description of impact to water budget.

(3) Inelastic land surface subsidence within the proposed and existing basin including a map of known subsidence areas, historical trends within known land subsidence areas, and a description of impacts to the basin or subbasin water budget.

(4) Groundwater-surface water interactions in the proposed and existing basin, which may be demonstrated by a map identifying significant surface water bodies, and a contour map or detailed written description of the direction of groundwater movement relative to the water bodies, the location and nature of

seeps and springs, and known water quality issues within the basin and in hydraulically connected adjacent basins.

(5) A map identifying the recharge areas in the proposed and existing basin.

(6) A statement of the existing and planned coordination of sustainable groundwater management activities and responsibilities between the proposed and existing basin where required by the Act.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Sections 10722.2, 10727, 10753.7, and 12924, Water Code.

§ 344.18. CEQA Compliance

Each request to modify a basin or subbasin shall include information necessary to enable the Department to satisfy the requirements of a responsible agency pursuant to the California Environmental Quality Act (Public Resources Code Sections 21000 et seq.).

Note: Authority cited: Section 10722.2, Water Code.

Reference: Section 10722.2, Water Code.

ARTICLE 6. METHODOLOGY AND CRITERIA

§ 345. Introduction to Methodology and Criteria

This Article governs the methodology and criteria for the evaluation of proposed boundary modifications of groundwater basin boundaries.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Section 10722.2, Water Code.

§ 345.2. Basis for Denial of Request for Boundary Modification

The Department may deny a request for boundary modification if it identifies significant concerns or is unable to resolve significant issues with the request including, but not limited to, any of the following:

- (a) The proposed boundary modification may limit the opportunity or likelihood of any of the following:
 - (1) Sustainable management in the proposed basin.
 - (2) Sustainable management in other basins.
 - (3) Groundwater storage or recharge.
 - (4) The coordination and use of consistent data and methodologies by local agencies to evaluate groundwater elevation data, groundwater extraction data, surface water supply, total water use, change in groundwater storage, water budget, or sustainable yield.
- (b) The requesting agency is unable to demonstrate a history of sustainable management of groundwater levels in the existing or proposed basin.
- (c) For scientific modifications, if the Department does not consider that the available scientific evidence supports the addition, deletion, or relocation of a basin boundary.
- (d) The requesting agency has failed to provide all required information or information deemed necessary by the Department or has failed to substantially comply with the requirements of this Subchapter.
- (e) The proposed boundary modification could result in the isolation of areas with known groundwater management problems, or of areas, including disadvantaged

communities, that may lack the institutional infrastructure or economic resources to form an effective groundwater sustainability agency or develop an implementable groundwater sustainability plan.

(f) The proposed boundary modification could result in the creation of unmanaged areas.

(g) Where the Department finds that the requested boundary modification would be inconsistent with the objectives of the Act.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Section 10722.2, Water Code.

§ 345.4. Criteria for Evaluating Supporting Information

The Department shall rely on the following information for evidence that the proposed basin can be sustainably managed, whether the proposed basin would limit the sustainable management of adjacent basins, and whether there is a history of sustainable management of groundwater levels in the proposed basin according to the general criteria described:

(a) For scientific modifications pursuant to Section 342.2, the Department will consider the adequacy of technical studies based on their demonstration of scientific support for the boundary modification. The technical studies will be evaluated according to the following:

(1) Hydrogeologic models will be evaluated to determine the degree to which the models align with the known geologic framework, the known direction and movement of groundwater flow, and the general understanding of water budget components for the basin or subbasin.

(2) Qualified maps of surficial geology, structural geology, or geophysical studies, and supporting subsurface interpretations, will be evaluated to determine the presence or absence of a groundwater flow boundary.

(3) Potentiometric surface maps, aquifer testing results, and water quality information will be evaluated to determine the presence or absence of a groundwater flow boundary.

(b) For jurisdictional modifications pursuant to Section 342.4, the Department shall review evidence from existing water management plans within or adjacent to the proposed basin or a portion of the proposed basin. The evaluation of sustainable management potential will generally assess the level of groundwater management

practices currently in place within the basin and the historical and existing aquifer response to these management practices. The water management plan will also serve to provide additional information should it be necessary to clarify questions regarding management activities or supporting technical information.

(c) For jurisdiction modifications of consolidation or county basin consolidation or basin subdivision pursuant to Section 342.4(b) and (c), the Department will evaluate the adequacy of a hydrogeologic conceptual model. The evaluation will assess the degree to which the model aligns with the known geologic framework, the known direction and movement of groundwater flow, and the general understanding of water budget components for the basin or subbasin.

(d) For jurisdiction modifications of basin subdivision pursuant to Section 342.4(c), the Department will evaluate the adequacy of the description and supporting documentation of historical and current conditions and coordination in the existing basin of the following, where applicable:

(1) Current and historic groundwater levels based on a groundwater monitoring well network that satisfies the following criteria:

(A) A sufficient density of monitoring wells to evaluate and implement sustainable groundwater management as determined by the Department.

(B) Wells with perforated intervals in all principal aquifer units.

(C) The density and distribution of wells is adequate to characterize the potentiometric surface for each of the principal aquifer units.

(D) The methods of data collection follow best management practices and data are collected at similar intervals and frequency.

(E) Groundwater level data demonstrates that the principal aquifer units have not experienced long-term declining conditions.

(2) Water quality data, including data showing that known water quality impacts would not be more isolated or concentrated in the proposed or existing basin.

(3) Current and historical land subsidence data demonstrating that no significant inelastic land subsidence has been observed in the proposed or existing basin.

(4) Technical studies of groundwater–surface water interactions showing that surface water is not adversely affected by groundwater extractions in the proposed or existing basin.

(5) Technical studies demonstrating that rates of recharge in the proposed and existing basin are adequate to replace current and likely future rates of extraction.

(6) Evidence of coordination between local agencies and public water systems within and between the proposed and existing basins or subbasins pertaining to water budgets, data collection, and other agreements designed to promote sustainable groundwater management, as appropriate.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Section 10722.2, Water Code.

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ARTICLE 7. ADOPTION OF BOUNDARY MODIFICATION

§ 346. Introduction to Department Procedures

This Article describes the procedure for the adoption of boundary modifications by the Department.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Sections 10722.2 and 10723.4, Water Code.

§ 346.2. Presentation of Draft Boundary Modifications

(a) If the Department determines that a boundary modification is supported by adequate technical information and meets the requirements of this Subchapter, the Department shall post the draft revised basin boundaries on the Department's Internet Web site and hold at least one public meeting to solicit comments on the draft boundaries.

(b) The Department shall present a copy of the draft revised basin boundaries to the Commission to hear and comment on the draft revision.

(c) The Department may finalize the revised basin boundaries 30 days after presentation to the Commission if the Department determines that no substantial changes are required.

(d) If the Department makes substantial changes to a proposed boundary modification after presentation to the Commission, the Department shall resubmit the proposed changes to the Commission for further review consistent with the Act.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Section 10722.2, Water Code.

§ 346.4. Record of Boundary Modifications

After revising the boundaries of a basin or establishing a new subbasin the Department shall record that information on the Department's Internet Web site and incorporate the revised basin boundaries in subsequent updates to Bulletin 118.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Section 10722.2, Water Code.

§ 346.6. Subsequent Modifications by Department.

If, after revising the boundaries of a basin or establishing a new subbasin, the Department determines, based on substantial evidence, that assumptions regarding the sustainable management of the new basin or subbasins were incorrect, and that as a result the boundary modification should not have been allowed, the Department may restore the boundaries to the alignment that existed before the boundary modification or make other revisions consistent with this Subchapter.

Note: Authority cited: Section 10722.2, Water Code.

Reference: Section 10722.2, Water Code.



Sustainable Groundwater Management Act (SGMA)
DRAFT BASIN BOUNDARY EMERGENCY REGULATIONS - Factsheet
California Department of Water Resources (DWR)
http://water.ca.gov/groundwater/sgm/basin_boundaries.cfm

DRAFT BASIN BOUNDARY EMERGENCY REGULATIONS

It is the policy of the State that groundwater resources be managed sustainably for long-term reliability and multiple economic, social, and environmental benefits for current and future beneficial uses. The Department of Water Resources' (DWR) Sustainable Groundwater Management Program will implement the new and expanded responsibilities identified in the 2014 Sustainable Groundwater Management Act (SGMA). Sustainable groundwater management is best achieved locally through the development, implementation, and updating of plans and programs based on the best available science (Water Code § 113). The SGMA established a process for local agencies to request that DWR revise the boundaries of a groundwater basin or subbasin, including the establishment of new subbasins. California's groundwater basins and subbasins are defined in the DWR's [Bulletin 118-Update 2003](#) – and described below:

- A **groundwater basin** is defined as a three-dimensional alluvial aquifer, or a stacked series of alluvial aquifers, with reasonably well-defined boundaries in a lateral direction and a definable bottom.
- A **groundwater subbasin** is created by dividing a groundwater basin into smaller units using geologic and hydrologic barriers, or institutional boundaries.

By January 1, 2016, DWR is required to adopt emergency regulations that specify the information required to comply with Water Code §10722.2, which outlines the process that local agencies shall follow when requesting modifications to existing boundaries of groundwater basins and subbasins. The basin boundary regulations will also identify the methodology and criteria that will be applied by DWR when evaluating modification requests. In general, local agencies will be required to address all of the following:

- How to assess the likelihood that the proposed basin can be sustainably managed.
- How to assess whether the proposed basin would limit the sustainable management of adjacent basins.
- How to assess whether there is a history of sustainable management of groundwater levels in the proposed basin.

Existing groundwater basin and subbasin boundaries have been defined and revised based the best available information during each past update of Bulletin 118. The proposed draft emergency regulations create a process that builds off this historical knowledge and provides a mechanism to modify basin and subbasin boundaries or create new subbasins based on new scientific information and local groundwater management knowledge to improve coordination and promote sustainable groundwater management statewide.

The draft emergency regulations have been organized in a manner to encompass the variety of modifications that may be requested by local agencies. Each basin boundary modification includes requirements that vary according to the type of modification requested. It is required that basin boundary modifications be coordinated and consolidated and proposed by a single local agency, identified as the Requesting Agency. The Requesting Agency will prepare the basin boundary modification request information in accordance with the requirements for the type of modification requested.

SUMMARY OF REGULATION ARTICLES

The basin boundary modification regulations will be part of the California Code of Regulations Title 23 - Waters, Division 2 - Department of Water Resources, Chapter 1.5 – Groundwater Management, Subchapter 1 – Groundwater Basin Boundaries, and are arranged into seven articles. The following is a brief summary of each article:

1. **Introductory Provisions:** Provides the authority and intent of the subchapter.
2. **Definitions:** Provides definitions to key terms used in the regulations.
3. **Boundary Modification Categories:** Provides a description for characterizing the type of modification being requested.
4. **Procedures for Modification Request or Protest:** Procedures for requesting basin boundary modifications and protesting a modification request.
5. **Supporting Information:** Description of the required information to support the proposed basin modification.
6. **Methodology and Criteria:** Description of the criteria by which information provided in article 5 will be evaluated.
7. **Adoption of Boundary Modification:** Procedure for the adoption of boundary modifications by DWR.

MODIFICATION TYPES

There are two primary types of basin modifications, scientific and jurisdictional, each with specific requirements to justify the modification request. The following is a description and graphical representation of the types of basin or subbasin modifications:

Scientific	Hydrogeologic
Jurisdictional	Internal
	Consolidation
	Subdivision

Scientific Modifications: Scientific-based modifications are those that are directly attributed to the hydrogeologic definition of the groundwater basin. These modifications require geologic and/or hydrologic evidence to support a boundary modification that will increase the likelihood of sustainable management of the groundwater basin.

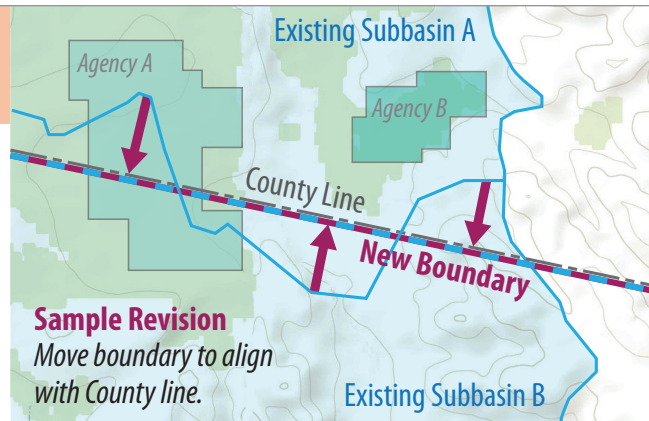
Jurisdictional Modifications: Jurisdictional modifications are those which increase the likelihood of sustainable groundwater management by modification of basin boundaries to promote the implementation of the SGMA without limiting the ability of the basins or affected basins to manage groundwater sustainably. Jurisdictional modifications have three sub categories: internal, consolidation, and subdivision.

Examples of Modification Types

SCIENTIFIC	
<p>A scientific revision to a basin boundary consists of the addition, deletion, or relocation of a boundary based on the geologic or hydrologic conditions that define that basin.</p>	

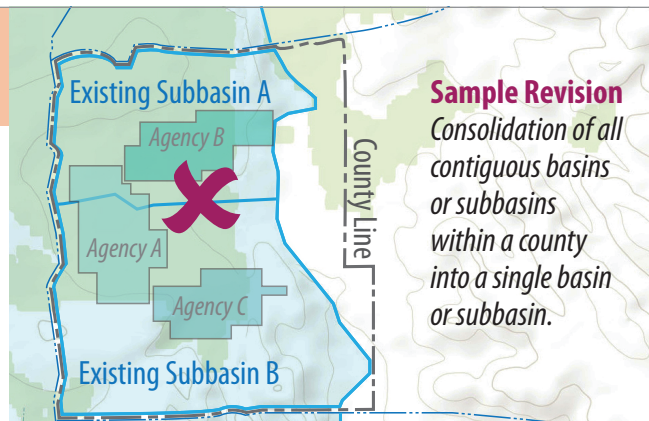
INTERNAL (Jurisdictional)

Internal Boundary Revision refers to any boundary modification that would adjust the location of a boundary between subbasins, within a basin, or the shared boundary between adjacent basins.



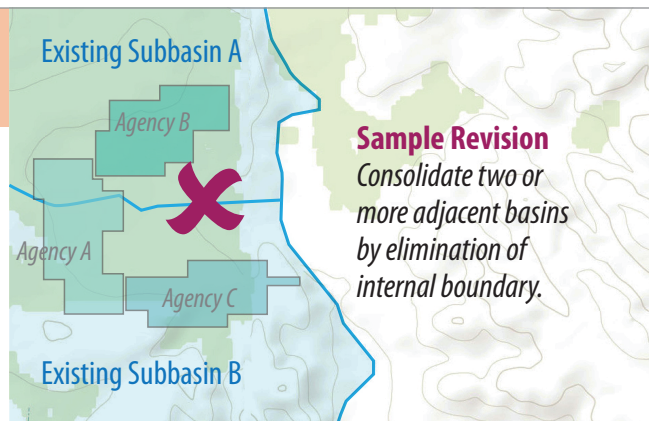
COUNTY BASIN CONSOLIDATION (Jurisdictional)

County Basin Consolidation means the consolidation of all contiguous basins or subbasins within a county into a single basin or subbasin whose boundaries do not extend beyond those of the county.



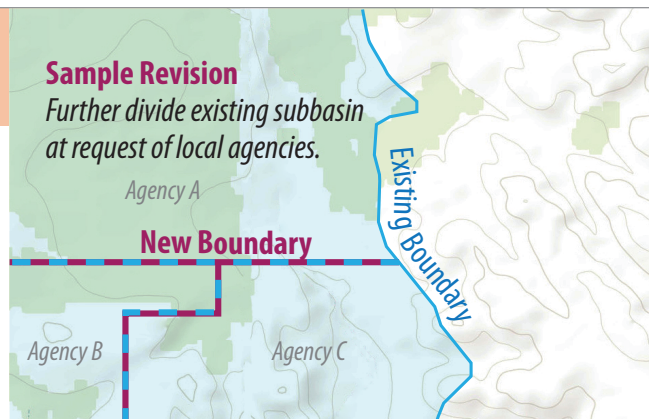
BASIN CONSOLIDATION (Jurisdictional)

Basin Consolidation refers to any boundary modification that would reduce the number of subbasins within a basin, or merge two or more adjacent basins, but would change only shared boundaries and would not change the external boundary of any basin or subbasin.



BASIN SUBDIVISION (Jurisdictional)

Basin Subdivision refers to any boundary modification that would increase the number of subbasins within a basin or subbasin.



REQUIRED COMPONENTS OF BOUNDARY MODIFICATION

The information submitted by a Requesting Agency to justify a basin boundary modification needs to align with the criteria described in the SGMA (Water Code § 10722.2(c)(1)-(3)). The criteria are general, as described below, but provide a context in which to present information to support the modification request.

1. How to assess the likelihood that the proposed basin can be sustainably managed.
2. How to assess whether the proposed basin would limit the sustainable management of adjacent basins.
3. How to assess whether there is a history of sustainable management of groundwater levels in the proposed basin.

All of the following three components are required for basin boundary modifications relate to Water Code §10722.2(a):

Component 1 – General Information

A Requesting Agency will be required to provide general information including: contact information; a narrative description and justification for the proposed boundary modification. This information is important as it provides the opportunity to explain what type of modification is being proposed and the rationale for why the modification will result in sustainable groundwater management. It also provides for the evaluation of eligibility as a local agency and provides contact information to assure that the modification request is coordinated properly. All Requesting Agencies must complete all of these requirements for all types of modification requests.

Component 2 – Notification, Consultation, and Local Support

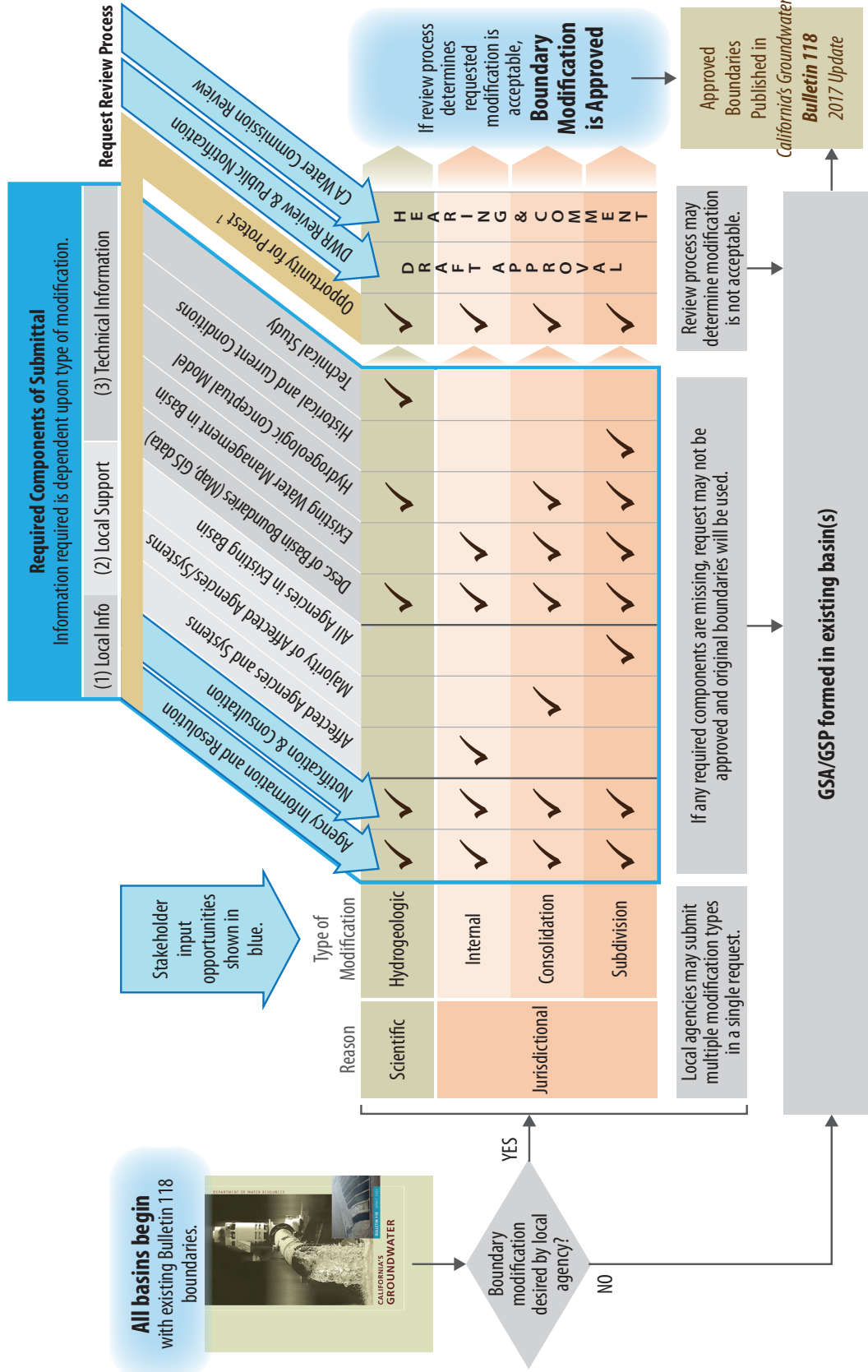
A Requesting Agency will need to demonstrate the required notification, consultation, and broad local support for each basin boundary modification request. The purpose of this component is to establish communication among the multiple local agencies and public water systems potentially affected by the modification and clearly demonstrate the intent and support at the local level. Broad local support demonstrates that the modification will result in the likelihood of sustainable groundwater management of the proposed basin, as well as the adjacent basins or subbasins. The notification, consultation, and broad local support are described below related to the type of basin modification:

- **All Requests** – Require Notification and Consultation (Article 5). For all basin boundary modifications, interested local agencies and public water systems must be consulted and a notice of the proposed modification shall be made public. A summary of public meetings where the proposed modification was discussed, including comments received, is required.
- **Jurisdictional Requests** - Local Support (Article 5).
 - **Internal Boundary** – Must demonstrate that each affected local agency and affected public water system support the modification request.
 - **Basin Consolidation and County Basin Consolidation** – Must demonstrate that a majority of affected local agencies and affected public water systems support the modification request.
 - **Basin Subdivision** – Must demonstrate that each affected local agency and each affected public water system support the modification request in the affected basin(s).

Component 3 – Technical Information

Technical information describing and supporting the three criteria identified in Water Code § 10722.2(c) is required for basin boundary modification. Requesting Agencies are required to provide evidence to justify the modification of a basin boundary and show compliance with the legislative intent of the SGMA. The technical supporting information required for each modification type is illustrated in the draft basin boundary modification process graphic below and described in detail in Article 5.

Basin Boundary Modification Process



¹ A protest submittal requires the same components as a boundary modification request, based on type of modification.

STAKEHOLDER INPUT OPPORTUNITIES

Local agencies, as defined in the SGMA, are eligible to request basin boundary modifications. The draft emergency regulations have been established to provide multiple opportunities for stakeholder input and notification of basin modification requests. The initial opportunity is direct communication with the Requesting Agency or an affected local agency through typical hearing processes at the local level. The notice, consultation, and local support component requires public meetings to occur prior to all boundary modification requests.

The draft emergency regulations include a protest provision (Article 4), which defines a process for stakeholders to protest a proposed modification, after a request is officially submitted to the DWR. A protest must rely on the same type of scientific and technical information, and will be evaluated by the same criteria, as the particular basin modification request to which it is addressed.

DWR will make the proposed recommendations for basin boundary modifications available on its website and will hold a public meeting to present and discuss the proposed recommendations.

Another opportunity to provide input on proposed basin boundary modifications is when DWR presents the list of proposed recommendations to the California Water Commission (CWC).

NEXT STEPS FOR ADOPTING REGULATIONS

The following is the anticipated schedule and next steps for adopting the emergency regulations:

- July 15, 2015** – Informational update on basin boundary emergency regulations presented to the CWC.
- July 17, 2015** – Draft basin boundary emergency regulations available on website.
- August 19, 2015** – Informational update on basin boundary emergency regulations presented to the CWC.
- August 31, 2015** – Public meeting and webinar presenting the draft basin boundary emergency regulations. Location: Byron Room, California EPA Building, Sacramento.
- September 2, 2015** – Public meeting presenting the draft basin boundary emergency regulations. Location: Bakersfield Community College, Bakersfield.
- September 3, 2015** – Public meeting presenting the draft basin boundary emergency regulations. Location: The Delhi Center, Santa Ana.
- September 4, 2015** – Deadline for comment on draft emergency regulations.
- September 16, 2015** – Informational update on basin boundary emergency regulations presented to the CWC.
- October – November, 2015** – Formal Notice of Proposed Rulemaking and supporting information.
- October – November, 2015** – Presentation of proposed emergency regulations to CWC for adoption.
- October – November, 2015** – Submission of adopted emergency regulations to Office of Administrative Law.
- January 1, 2016** – Basin boundary modification requests accepted by DWR within 90 day period.

*All dates are subject to change



**Sustainable Groundwater Management Act Implementation: Presentation of Proposed
Draft Basin Boundary Emergency Regulation Highlights**

Background

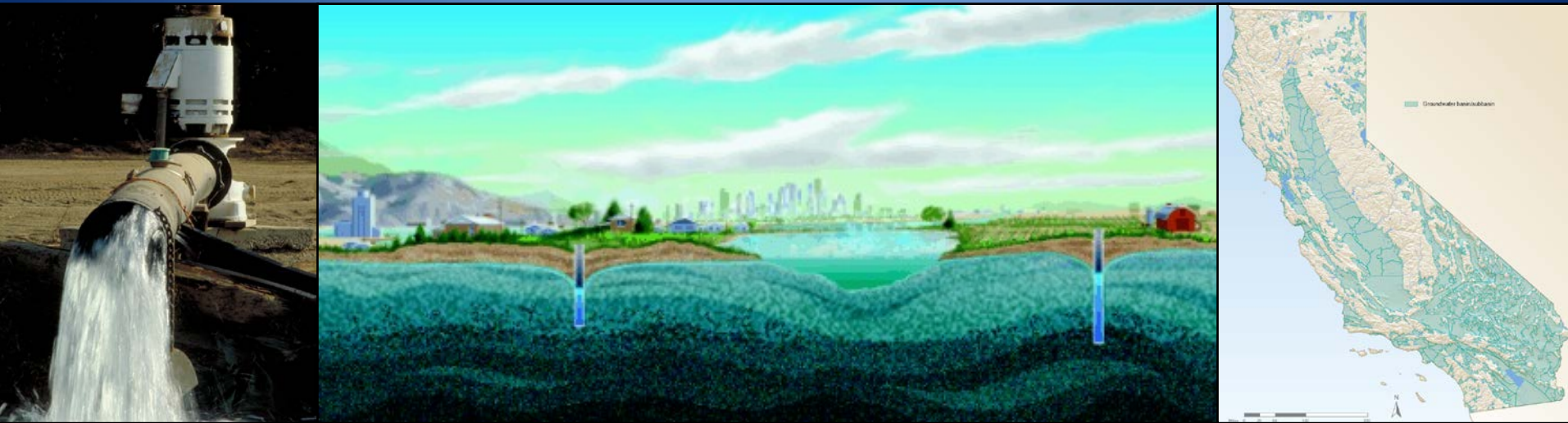
The Sustainable Groundwater Management Act requires the Department of Water Resources (DWR) to develop emergency regulations describing the process for local agencies to request changes to groundwater basin boundaries defined in DWR's Bulletin 118. At this meeting, DWR will present highlights of the proposed draft basin boundary emergency regulations. DWR will release the proposed draft emergency regulations on its website shortly after the Commission meeting, which will initiate a public comment period. In late August, DWR held three public meetings on the proposed draft emergency regulations. Revised draft regulations will be presented to the Commission in October. This is an informational item.

Contact

Brianna Shoemaker
Associate Governmental Program Analyst
California Water Commission
(916) 651-0825

DWR's Sustainable Groundwater Management Implementation

- Basin Boundary Regulations Update -



California Water Commission
July 15, 2015
Sacramento, CA

Presentation Overview

- **Draft Regulations Process Update**
- **Overview of Draft Regulations**
- **Next Steps**

Draft Regulations Process Update

Basin Boundary Regulations Process

Jan-April

April-May

July-Sept

Scoping

- Notify OAL
- Collect Issues from Stakeholders
- Coordinate with SWRCB & CWC

Draft Framework

- Public Listening Sessions
- Present and Receive Input from Advisory Groups and Public

Draft Emergency Regulations

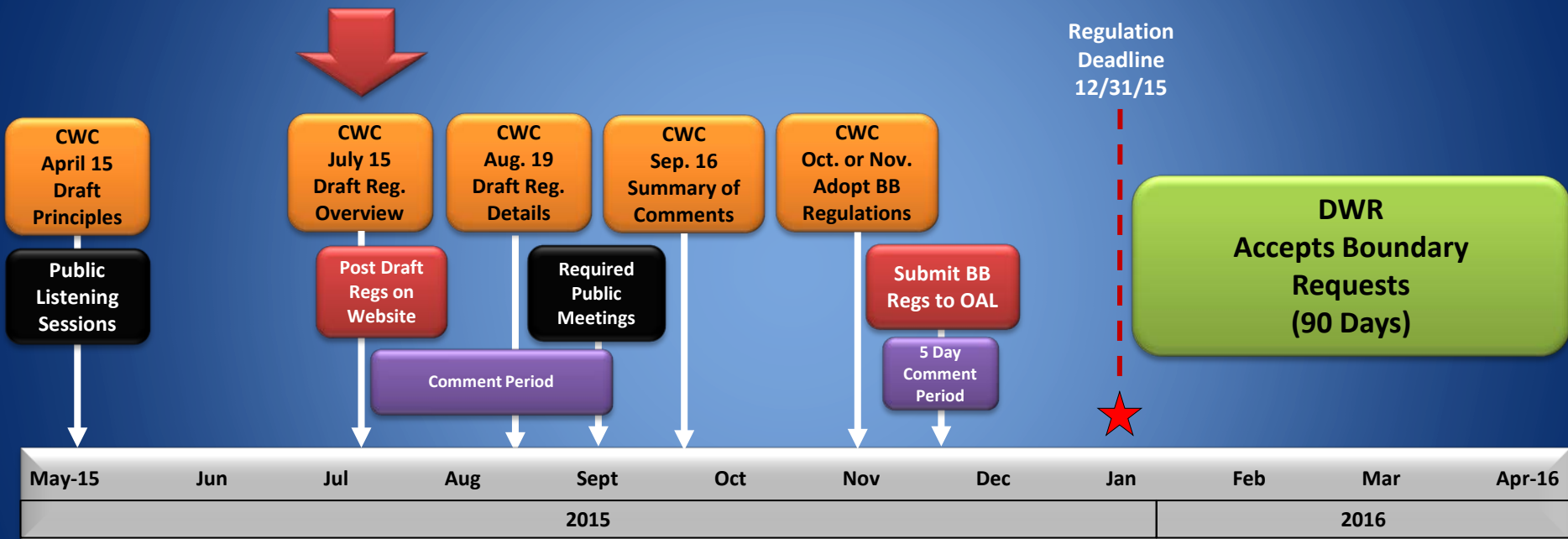
- Required Public Meetings
- Present and Receive Input from Advisory Groups and Public

Adopt Emergency Regulations

- CWC Approval
- Noticing and Submittal to OAL

Input and Feedback from the CWC and SWRCB

Basin Boundary Regulations Estimated Timeline



*Informal
Comments*

*Formal
Rulemaking*

*Basin Boundary Regs.
Operational*

How to Provide Input

- **DWR Welcomes Feedback on Draft Regulations**

- Email & Written Comments
- CWC Meetings (Aug.-Oct.)

- **DWR will be Holding Three Public Meetings**

- Sacramento (8/31)
- Bakersfield (9/2)
- Orange County (9/3)

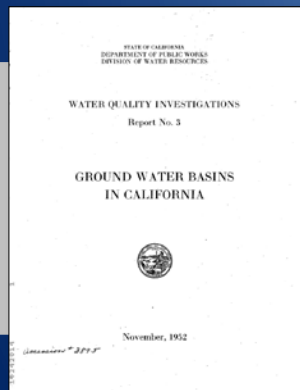
The screenshot shows the California Department of Water Resources website. The main content area is titled "Public Comments - Basin Boundary Regulations". Below the title, there is a section titled "How to Provide Input" which states: "During the comment period, DWR is soliciting feedback on the draft emergency regulations. Please submit comments by email to DWR at sgmips@water.ca.gov or send a hardcopy via postal mail, to the following address, postmarked by September 12, 2015." The address listed is: California Department of Water Resources, Attn: Sustainable Groundwater Management Section, P.O. Box 942636, Sacramento, CA 94236. Below this, there is a section titled "Comments Received on Basin Boundary Emergency Regulations" which includes a search bar and a table with columns for "Comment Received From", "Comment", and "Date". The table shows one entry with the name "Name", a "Link to Comment", and "Date Received". At the bottom of the table, it says "Showing 1 to 1 of 1 entries". On the right side of the page, there is a sidebar titled "GROUNDWATER HOME" and "SUSTAINABLE GROUNDWATER MANAGEMENT" with a list of links including "Basin Boundary Regulations", "Public Listening Sessions", "Public Comments", "Groundwater Sustainability Agencies", "GSA Notifications", "Groundwater Sustainability Plan Regulations", "Initial Basin Prioritization", "Communication and Outreach", "Advisory Groups", "Statewide SGMA Calendar", "Region Office Contacts", "Subscribe for Email Updates", "Resources", and "Facilitation Support Services".

http://www.water.ca.gov/groundwater/sgm/basin_boundaries.cfm

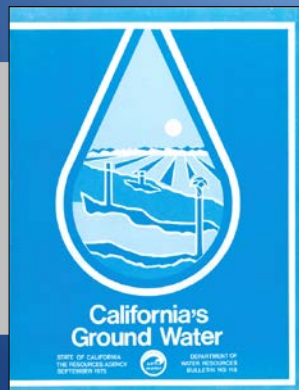
Overview of Draft Regulations

CA Groundwater Basins

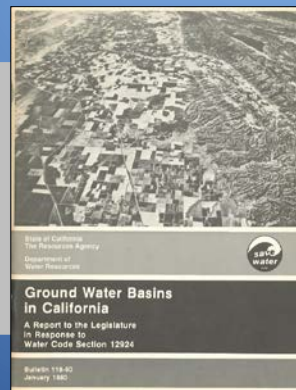
- Groundwater Basins & Subbasins Are Defined in DWR Bulletin 118 Using the Best Available Data
- Modifications to Basin Boundaries Have Occurred During B-118 Updates (Water Code § 12924)



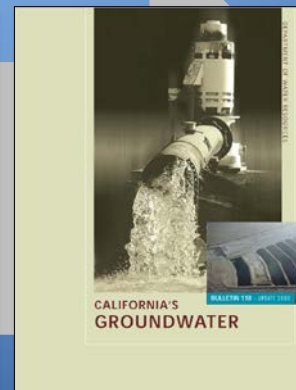
1952



Bulletin 118
1975



Bulletin 118
1980



Bulletin 118
2003

SGMA Requirements

WC §10722

- **Emergency Regulations to Establish a Process For Local Agencies to Request Changes to Existing Basin Boundaries**
 - **DWR Shall Adopt by January 1, 2016**
 - **Instructions to Local Agencies on Submittal of:**
 1. Information demonstrating proposed basin can be sustainably managed
 2. Technical information on boundaries and conditions in proposed basin
 3. Consultation with interested local agencies and public water systems in the affected basins
 4. Other information DWR deems necessary to justify revision
 - **Methodology and Criteria on how to assess:**
 1. Likelihood proposed basin can be sustainably managed
 2. Whether proposed basin would limit the SGM of adjacent basins
 3. Whether there is a history of SGM of groundwater levels in the proposed basin

Key Points

Regulatory Intent

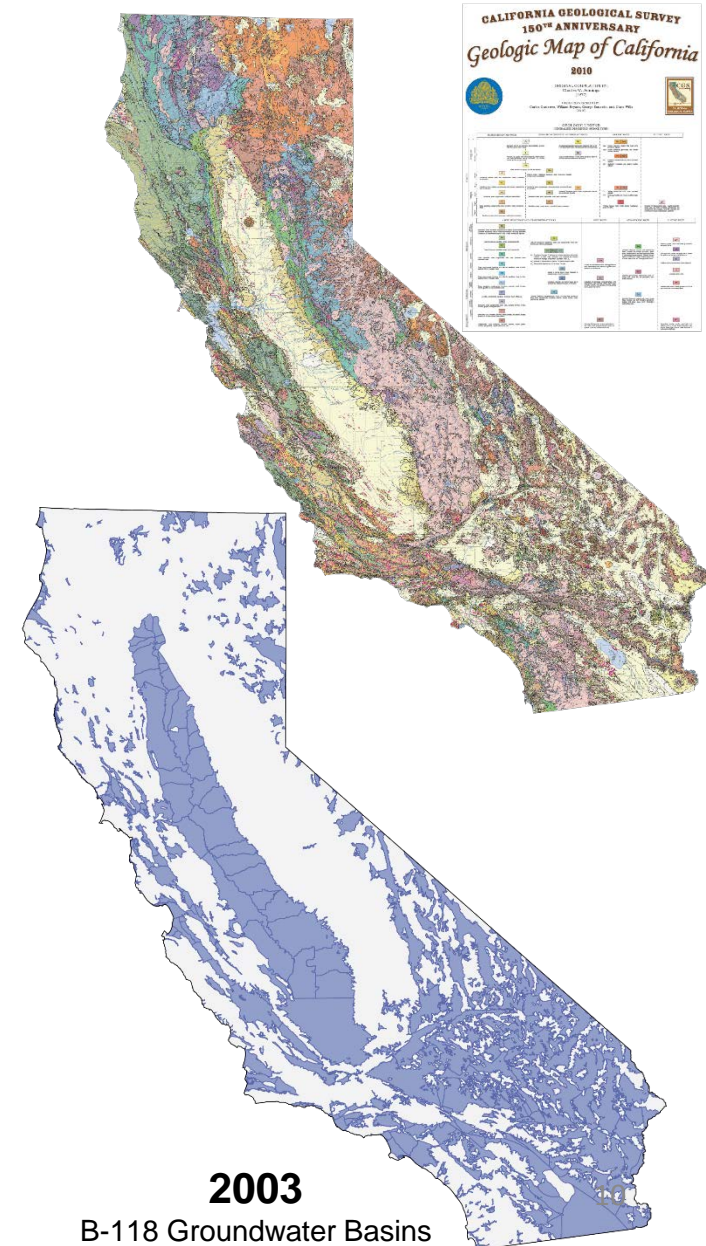
- Statewide Sustainable Groundwater Management
- Open and Transparent Process

Technical

- Complex Statewide Hydrogeology
- Basin Boundaries Last Updated in 2003
- Previous Boundaries used for Voluntary Planning
- Varying Levels of Detail in Existing B-118 Dataset
- Results in High Variability of Potential Modifications

Administrative

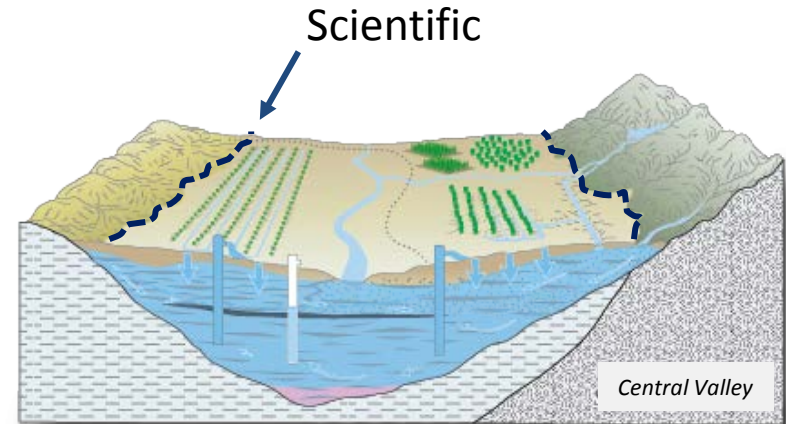
- Only Local Agencies can Request Modifications
- Local Agency Requests are Voluntary



Key Definitions

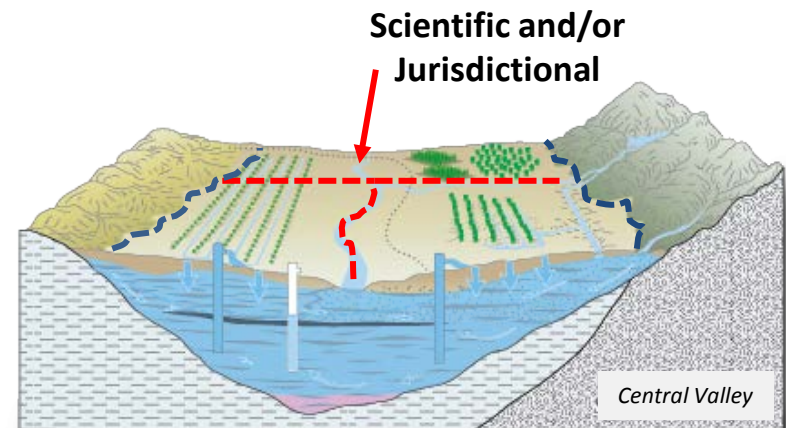
➤ SGMA Definitions

➤ **Groundwater Basin** – An alluvial aquifer or a stacked series of alluvial aquifers with reasonably well-defined boundaries in a lateral direction and having a definable bottom



Modified from Faunt, 2009

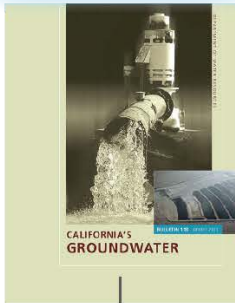
➤ **Groundwater Subbasin** – A subbasin is created by dividing a groundwater basin into smaller units using geologic and hydrologic barriers or institutional boundaries



Modified from Faunt, 2009

Basin Boundary Modification Process

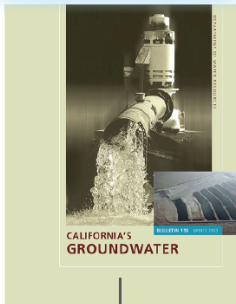
All basins begin
with existing Bulletin 118
boundaries.



Boundary
modification
desired by local
agency?

Basin Boundary Modification Process

All basins begin with existing Bulletin 118 boundaries.



Boundary modification desired by local agency?

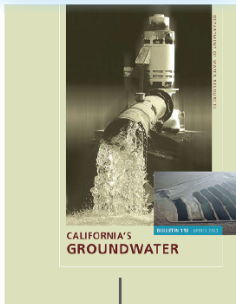
NO

GSA/GSP formed in existing basin(s)

Approved Boundaries Published in California's Groundwater **Bulletin 118** 2017 Update

Basin Boundary Modification Process

All basins begin with existing Bulletin 118 boundaries.



Boundary modification desired by local agency?

YES

Reason	Type of Modification
Scientific	Hydrogeologic
Jurisdictional	Internal
	Consolidation
	Subdivision

Local agencies may submit multiple modification types in a single request.

NO

GSA/GSP formed in existing basin(s)

Approved Boundaries Published in California's Groundwater **Bulletin 118** 2017 Update

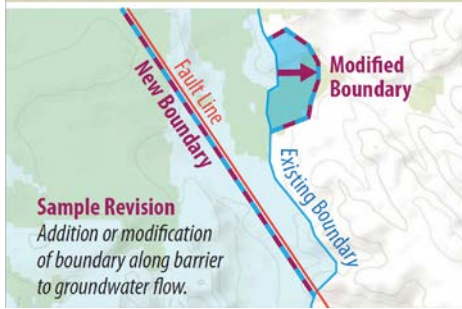
Types of Modification

- **Scientific** - Based on Geologic or Hydrologic Conditions that Define the Basin
- **Jurisdictional** - Promote the Adoption and Implementation of Effective Sustainable Management Plans and Enhance Local Management of Groundwater.

Types of Modification

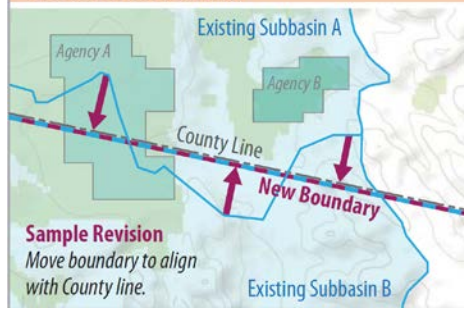
Scientific

Scientific

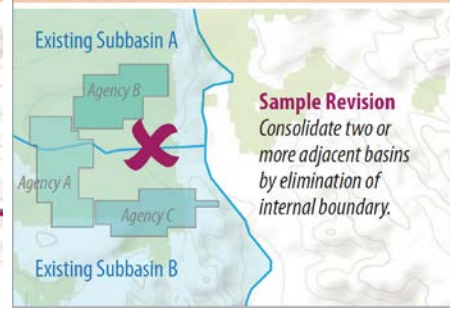


Jurisdictional

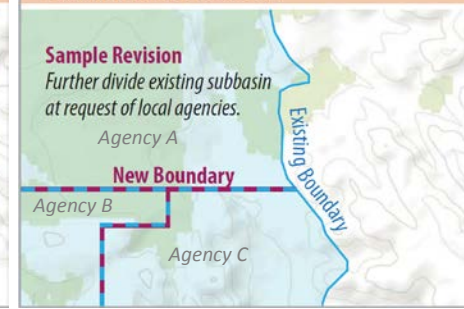
Internal (Jurisdictional)



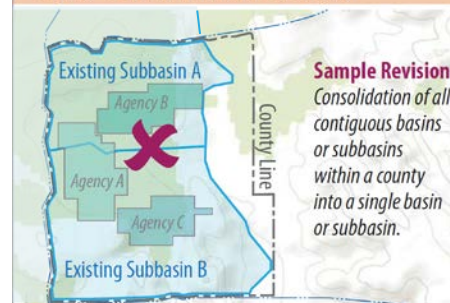
Consolidation (Jurisdictional)



Subdivision (Jurisdictional)

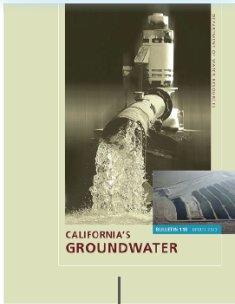


County Consolidation (Jurisdictional)



Basin Boundary Modification Process

All basins begin with existing Bulletin 118 boundaries.



Boundary modification desired by local agency?

NO

YES

Stakeholder input opportunities shown in blue.

Reason	Type of Modification	Agency Information and Resolution	Notification & Consultation
Scientific	Hydrogeologic	✓	✓
Jurisdictional	Internal	✓	✓
	Consolidation	✓	✓
	Subdivision	✓	✓

Local agencies may submit multiple modification types in a single request.

If any required components are missing, request may not be approved and original boundaries will be used.

GSA/GSP formed in existing basin(s)

Approved Boundaries Published in California's Groundwater **Bulletin 118** 2017 Update

Required Components of Submittal

Information required is dependent upon type of modification.

(1) Local Info

Agency Information and Resolution
Notification & Consultation

Notification of Boundary Modifications

DWR

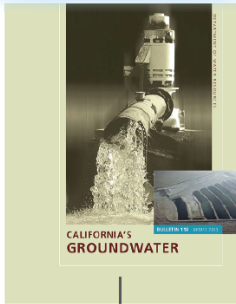
- Email Notification
- Post Requests on Website
- Searchable Table
- Interactive Map

Requesting Agency

- Board Resolution
- Notification and Consultation
 - ✓ Methods
 - ✓ Correspondence
 - ✓ Public Meetings
 - ✓ Public Comments

Basin Boundary Modification Process

All basins begin with existing Bulletin 118 boundaries.



Stakeholder input opportunities shown in blue.

Required Components of Submittal
Information required is dependent upon type of modification.

(1) Local Info (2) Local Support

Agency Information and Resolution
Notification & Consultation
Affected Agencies and Systems
Majority of Affected Agencies/Systems
All Agencies in Existing Basin

Reason	Type of Modification	Agency Information and Resolution	Notification & Consultation	Affected Agencies and Systems	Majority of Affected Agencies/Systems	All Agencies in Existing Basin
Scientific	Hydrogeologic	✓	✓			
Jurisdictional	Internal	✓	✓	✓		
	Consolidation	✓	✓		✓	
	Subdivision	✓	✓			✓

Boundary modification desired by local agency?
YES
NO

Local agencies may submit multiple modification types in a single request.

If any required components are missing, request may not be approved and original boundaries will be used.

GSA/GSP formed in existing basin(s)

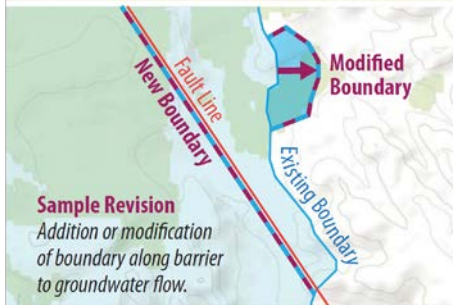
Approved Boundaries Published in California's Groundwater Bulletin 118 2017 Update

Local Support

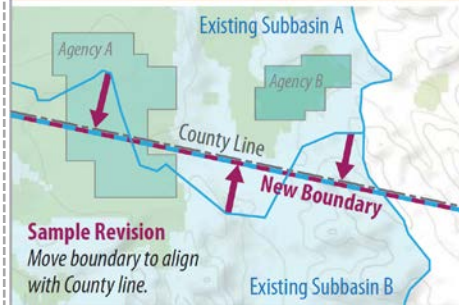
Scientific

Jurisdictional

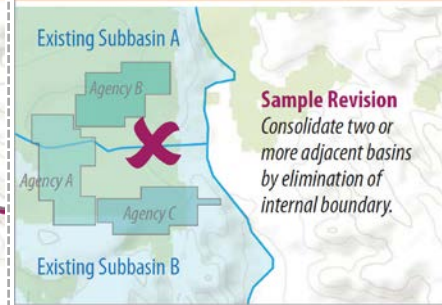
Scientific



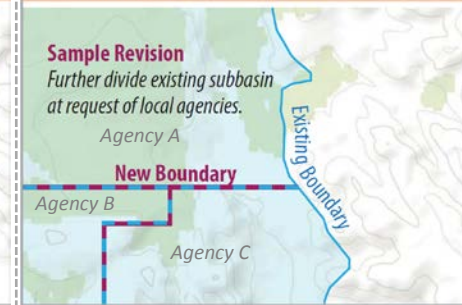
Internal (Jurisdictional)



Consolidation (Jurisdictional)

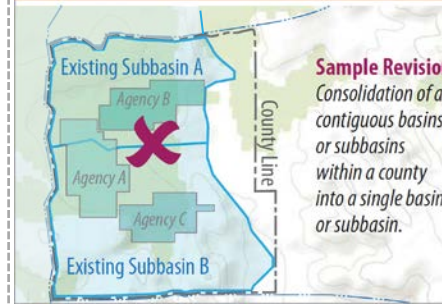


Subdivision (Jurisdictional)



Affected

County Consolidation (Jurisdictional)



Majority of Affected

All

In Existing Basin

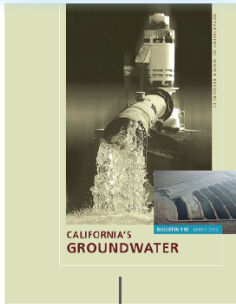
Local Agency & Public Water System Support

Notification and Public Meeting(s)

Protest Provision

Basin Boundary Modification Process

All basins begin with existing Bulletin 118 boundaries.



Stakeholder input opportunities shown in blue.

Required Components of Submittal

Information required is dependent upon type of modification.

(1) Local Info	(2) Local Support	(3) Technical Information
Agency Information and Resolution	Notification & Consultation	Affected Agencies and Systems
Majority of Affected Agencies	All Agencies in Existing Basin	Desc. of Basin Boundaries (Map, GIS data)
Existing Water Management in Basin	Hydrogeologic Conceptual Model	Historic and Current Conditions
Technical Study		

Reason	Type of Modification	Agency Information and Resolution	Notification & Consultation	Affected Agencies and Systems	Majority of Affected Agencies	All Agencies in Existing Basin	Desc. of Basin Boundaries (Map, GIS data)	Existing Water Management in Basin	Hydrogeologic Conceptual Model	Historic and Current Conditions	Technical Study
Scientific	Hydrogeologic	✓	✓				✓		✓		✓
Jurisdictional	Internal	✓	✓	✓			✓	✓			
	Consolidation	✓	✓		✓		✓	✓	✓		
	Subdivision	✓	✓			✓	✓	✓	✓	✓	

Local agencies may submit multiple modification types in a single request.

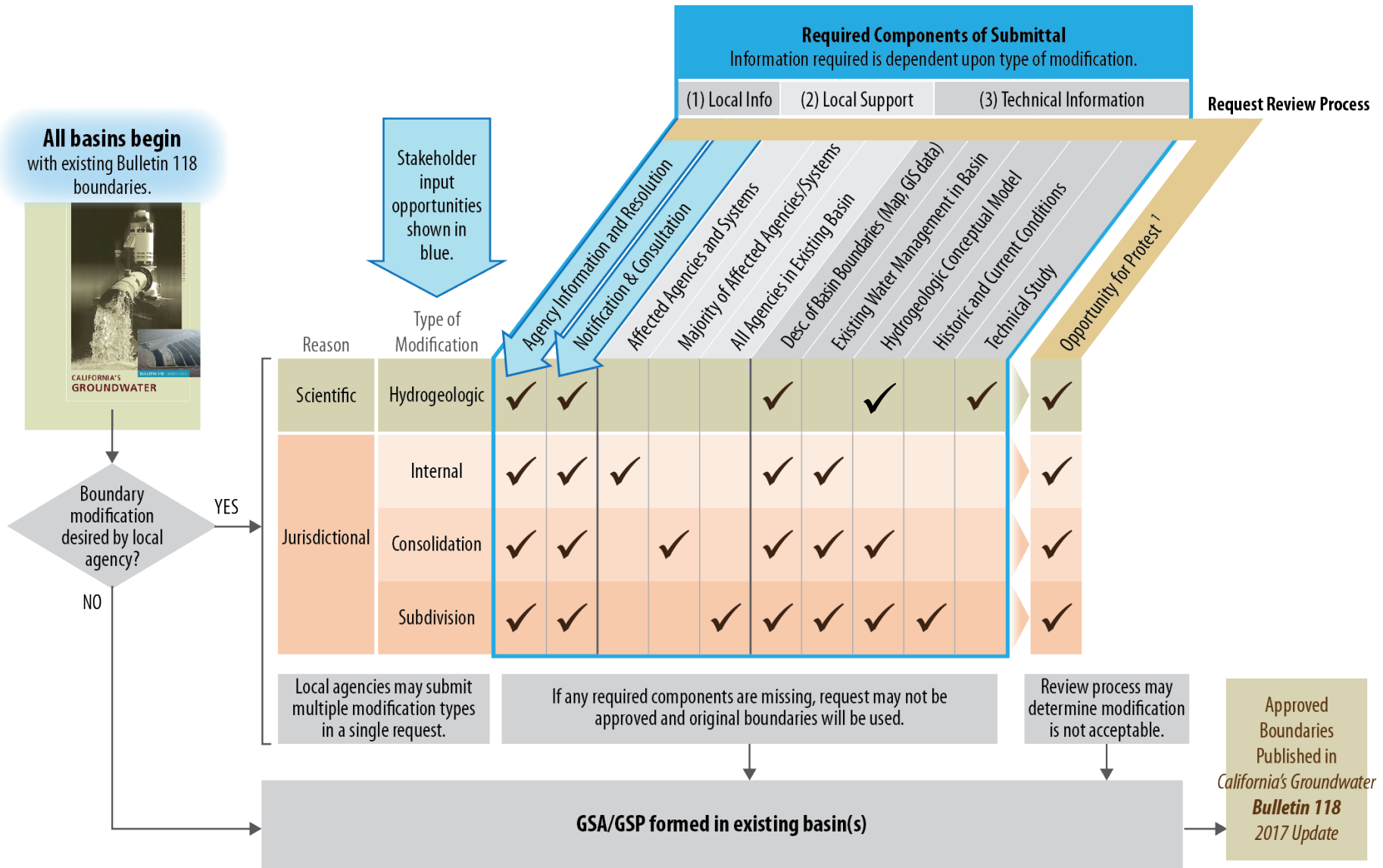
If any required components are missing, request may not be approved and original boundaries will be used.



GSA/GSP formed in existing basin(s)

Approved Boundaries Published in California's Groundwater Bulletin 118 2017 Update

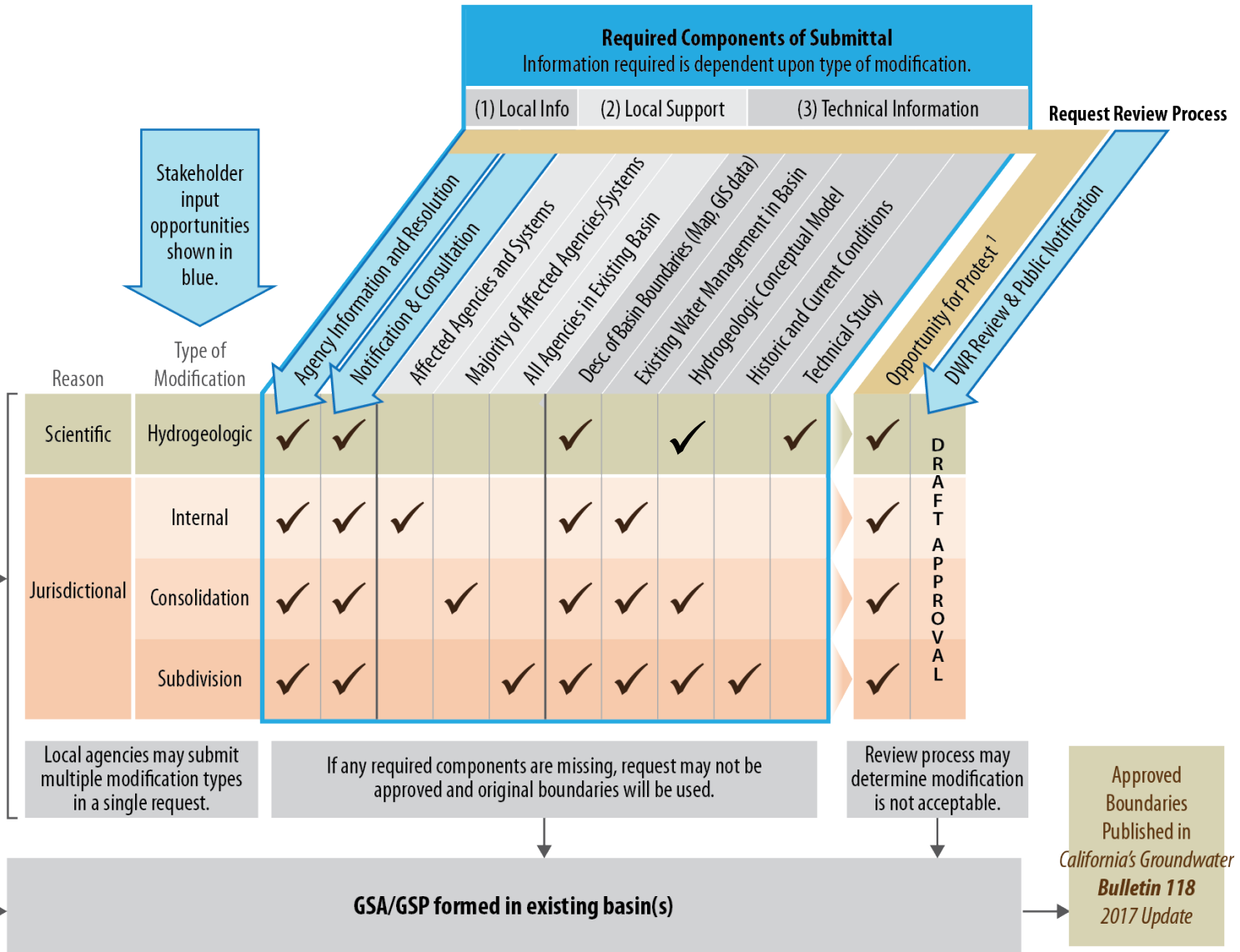
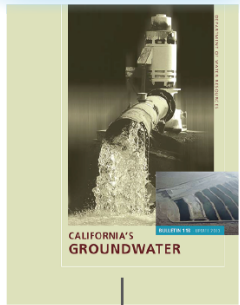
Basin Boundary Modification Process



1. A formal protest submittal requires the same technical Information as a boundary revision request, based on type of revision.

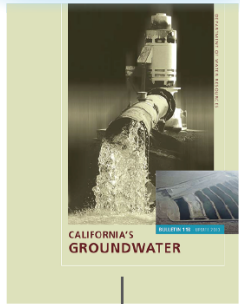
Basin Boundary Modification Process

All basins begin with existing Bulletin 118 boundaries.



Basin Boundary Modification Process

All basins begin with existing Bulletin 118 boundaries.



Stakeholder input opportunities shown in blue.

Required Components of Submittal

Information required is dependent upon type of modification.

- (1) Local Info
- (2) Local Support
- (3) Technical Information

Request Review Process

Reason	Type of Modification	Agency Information and Resolution	Notification & Consultation	Affected Agencies and Systems	Majority of Affected Agencies	All Agencies in Existing Basin	Desc. of Basin Boundaries (Map, GIS data)	Existing Water Management in Basin	Hydrogeologic Conceptual Model	Historic and Current Conditions	Technical Study	Opportunity for Protest 1	DWR Review & Public Notification	CA Water Commission Review
Scientific	Hydrogeologic	✓	✓				✓		✓		✓	✓		
Jurisdictional	Internal	✓	✓	✓			✓	✓				✓		
	Consolidation	✓	✓		✓		✓	✓	✓			✓		
	Subdivision	✓	✓			✓	✓	✓	✓	✓		✓		

Local agencies may submit multiple modification types in a single request.

If any required components are missing, request may not be approved and original boundaries will be used.

Review process may determine modification is not acceptable.

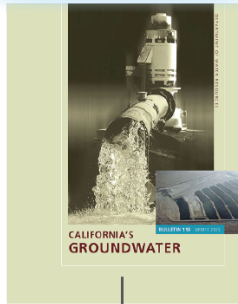
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Basin Boundary Modification Process

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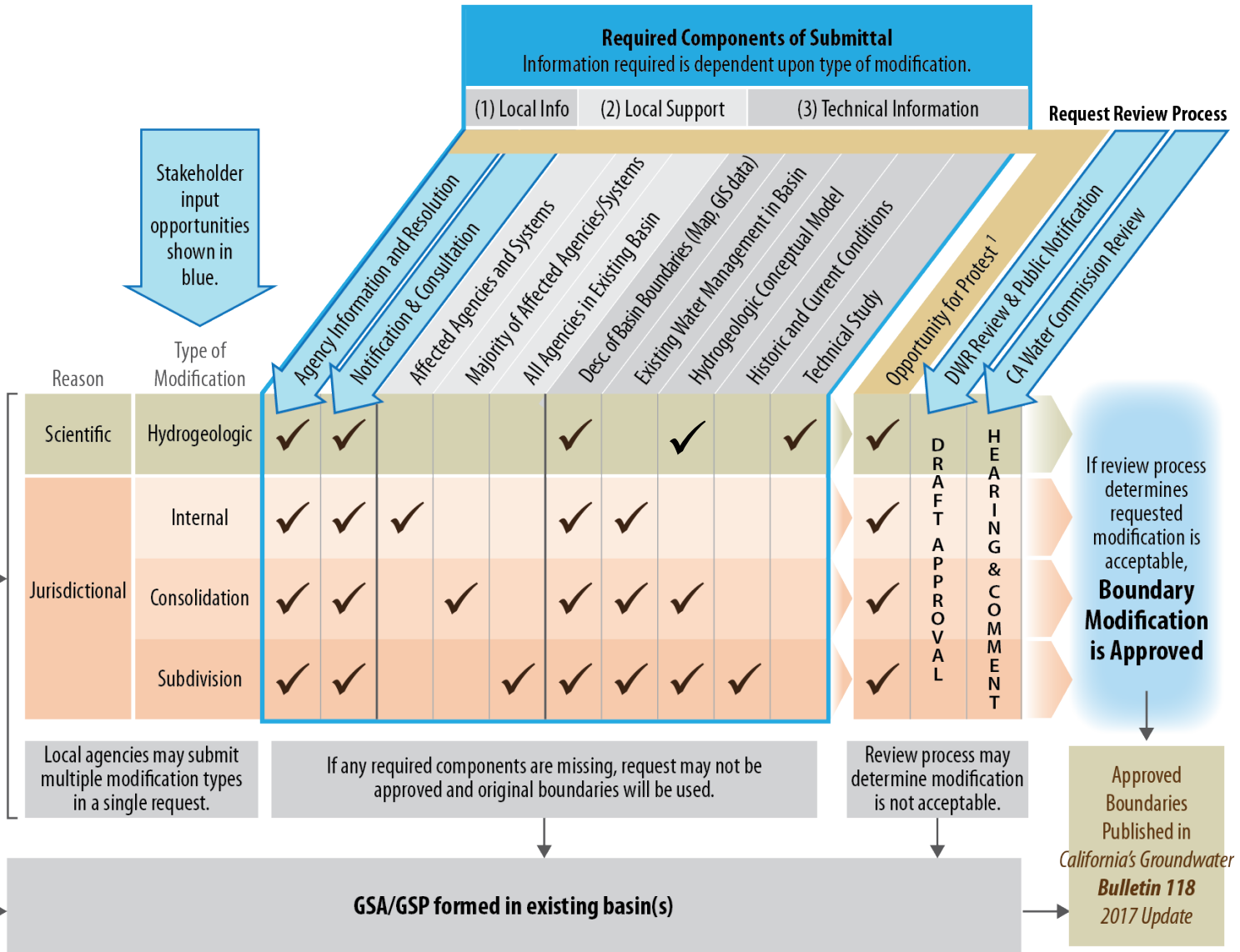


Boundary modification desired by local agency?

NO

YES

Stakeholder input opportunities shown in blue.



Next Steps

- **July** – Post Draft Regulations on Website
 - Initiate Public Comment Period (July to September)
- **August** – Review Draft Regulation Language with CWC
- **Aug. – Sep.** – Public Meetings to Consider Public Comments
- **September** – Present Summarized Public Comments to CWC
- **October – November** - Present Proposed Emergency Regulations to CWC for adoption.
- **October – November** - Submit Adopted Emergency Regulations to Office of Administrative Law.
- **January 1, 2016** – DWR Starts Accepting Boundary Modification Requests (90 day period).
- **Aug. 2016*** – Draft Approval of Boundaries and Present to CWC

**Estimated – Subject to Change*

Thank You

- **DWR Sustainable Groundwater Management (SGM)**
<http://www.water.ca.gov/groundwater/sgm/index.cfm>
- **Subscribe to DWR SGM Email List**
<http://www.water.ca.gov/groundwater/sgm/subscribe.cfm>
- **DWR Basin Boundary Regulation Website**
http://www.water.ca.gov/groundwater/sgm/basin_boundaries.cfm
- **DWR Water Management Planning Tool**
<https://gis.water.ca.gov/app/boundaries/>
- **Questions or Comments for DWR**
sgmps@water.ca.gov

SACRAMENTO CENTRAL GROUNDWATER AUTHORITY STAKEHOLDER IDENTIFICATION

July 29, 2015

ORIGINAL STAKEHOLDERS –

- Agricultural Residential Groundwater Users (**Board member**)
- Building Industry Association
- Cal-Am Water Company (**Board member**)
- California Department of Water Resources
- City of Elk Grove (**Board member**)
- City of Folsom (**Board member**)
- City of Rancho Cordova (**Board member**)
- City of Sacramento (**Board member**)
- Elk Grove, Sacramento Metropolitan, and Rancho Cordova Chambers of Commerce (**Board member** – Industrial Self-Supplied)
- Florin Resource Conservation District (**Board Member**)
- Golden State Water Company (**Board member**)
- League of Women Voters
- The Nature Conservancy (**Board member** – Conservation Land Owners)
- Omochumne-Hartnell Water District (**Board member**)
- Rancho Murieta Community Services District (**Board member**)
- Sacramento County (**Board member**)
- Sacramento County Farm Bureau (**Board member**)
- Sacramento County Water Agency
- Sacramento Regional County Sanitation District (**Board member**)
- Southgate Recreation and Park District (**Board member** – Public Agency Self-Supplied)
- Water Forum

POTENTIAL STAKEHOLDERS/OTHER INTERESTS –

- Unrepresented Water Purveyors –
 - Fruitridge Vista Water Company
 - Florin County Water Agency
 - Tokay Park
 - Small water purveyors (EMD to provide data)
- Cemetery Districts
- Private Golf Courses/Country Clubs
- Other large groundwater pumpers
- Resource Conservation Districts –
 - Sloughouse Resource Conservation District
 - Lower Cosumnes Resource Conservation District
- Reclamation Districts
- Out of Basin Groundwater Interests
 - Yolo County

- City of West Sacramento
- San Joaquin County
- Sacramento Groundwater Authority
- Southeast Sacramento County Agricultural Water Authority
- GSA representing the Solano Groundwater sub-basin