

Alternative Elements Guide

<i>California Code of Regulations - GSP Regulation Sections</i>	<i>Alternative Elements</i>	<i>Document which attachment(s) contains the applicable alternative element.</i>	<i>Document which section(s), page number(s), or briefly describe why that Alternative element does not apply to the entity.</i>
Article 5 - Plan Contents			
SubArticle 1	Administrative Information		
§ 354.4.	General Information		
	(a) An executive summary written in plain language that provides an overview of the Plan and description of groundwater conditions in the basin.	GSP Alternative (SHN/Humboldt County, 2016)	Page i
	(b) A list of references and technical studies relied upon by the Agency in developing the Plan. Each Agency shall provide to the Department electronic copies of reports and other documents and materials cited as references that are not generally available to the public	GSP Alternative (SHN/Humboldt County, 2016)	Section 7.0
§ 354.6.	Agency Information		
	When submitting an adopted Plan to the Department, the Agency shall include a copy of the information provided pursuant to Water Code Section 10723.8, with any updates, if necessary, along with the following information:		
	(a) The name and mailing address of the Agency.	GSP Alternative (SHN/Humboldt County, 2016)	Section 2.5
	(b) The organization and management structure of the Agency, identifying persons with management authority for implementation of the Plan.	GSP Alternative (SHN/Humboldt County, 2016)	Section 2.5
	(c) The name and contact information, including the phone number, mailing address and electronic mail address, of the plan manager.	GSP Alternative (SHN/Humboldt County, 2016)	Section 2.5
	(d) The legal authority of the Agency, with specific reference to citations setting forth the duties, powers, and responsibilities of the Agency, demonstrating that the Agency has the legal authority to implement the Plan.	GSP Alternative (SHN/Humboldt County, 2016)	Section 2.5 and Appendix C
	(e) An estimate of the cost of implementing the Plan and a general description of how the Agency plans to meet those costs.	GSP Alternative (SHN/Humboldt County, 2016)	Section 5.0
§ 354.8.	Description of Plan Area		
	Each Plan shall include a description of the geographic areas covered, including the following information:		
	(a) One or more maps of the basin that depict the following, as applicable:		
	(1) The area covered by the Plan, delineating areas managed by the Agency as an exclusive Agency and any areas for which the Agency is not an exclusive Agency, and the name and location of any adjacent basins.	GSP Alternative (SHN/Humboldt County, 2016)	Figures 1-1 and 2-1
	(2) Adjudicated areas, other Agencies within the basin, and areas covered by an Alternative.	n/a	There are no adjudicated areas within the basin
	(3) Jurisdictional boundaries of federal or state land (including the identity of the agency with jurisdiction over that land), tribal land, cities, counties, agencies with water management responsibilities, and areas covered by relevant general plans.	GSP Alternative (SHN/Humboldt County, 2016)	Figure 2-1
	(4) Existing land use designations and the identification of water use sector and water source type.	GSP Alternative (SHN/Humboldt County, 2016)	Figure 2-3 and Appendix D

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	(5) The density of wells per square mile, by dasymetric or similar mapping techniques, showing the general distribution of agricultural, industrial, and domestic water supply wells in the basin, including de minimis extractors, and the location and extent of communities dependent upon groundwater, utilizing data provided by the Department, as specified in Section 353.2, or the best available information.	GSP Alternative (SHN/Humboldt County, 2016)	Figure 2-2
	(b) A written description of the Plan area, including a summary of the jurisdictional areas and other features depicted on the map.	GSP Alternative (SHN/Humboldt County, 2016)	Section 2.1
	(c) Identification of existing water resource monitoring and management programs, and description of any such programs the Agency plans to incorporate in its monitoring network or in development of its Plan. The Agency may coordinate with existing water resource monitoring and management programs to incorporate and adopt that program as part of the Plan.	GSP Alternative (SHN/Humboldt County, 2016)	Section 2.7
	(d) A description of how existing water resource monitoring or management programs may limit operational flexibility in the basin, and how the Plan has been developed to adapt to those limits.	n/a	Existing monitoring and management programs do not create operational limits.
	(e) A description of conjunctive use programs in the basin.	n/a	Conjunctive use is not practiced in the basin.
	(f) A plain language description of the land use elements or topic categories of applicable general plans that includes the following:		
	(1) A summary of general plans and other land use plans governing the basin.	GSP Alternative (SHN/Humboldt County, 2016)	Section 2.8
	(2) A general description of how implementation of existing land use plans may change water demands within the basin or affect the ability of the Agency to achieve sustainable groundwater management over the planning and implementation horizon, and how the Plan addresses those potential effects.	GSP Alternative (SHN/Humboldt County, 2016)	Section 2.8
	(3) A general description of how implementation of the Plan may affect the water supply assumptions of relevant land use plans over the planning and implementation horizon.	n/a	The GSP Alternative documents abundant water supply and sustainable groundwater management; the need to consider reduced water supplies within the next 5 to 10 years is not foreseen.
	(4) A summary of the process for permitting new or replacement wells in the basin, including adopted standards in local well ordinances, zoning codes, and policies contained in adopted land use plans.	GSP Alternative (SHN/Humboldt County, 2016)	Section 2.8
	(5) To the extent known, the Agency may include information regarding the implementation of land use plans outside the basin that could affect the ability of the Agency to achieve sustainable groundwater management.	n/a	None were identified
	(g) A description of any of the additional Plan elements included in Water Code Section 10727.4 that the Agency determines to be appropriate.	n/a	None were identified
§ 354.10.	Notice and Communication		
	Each Plan shall include a summary of information relating to notification and communication by the Agency with other agencies and interested parties including the following:		

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	(a) A description of the beneficial uses and users of groundwater in the basin, including the land uses and property interests potentially affected by the use of groundwater in the basin, the types of parties representing those interests, and the nature of consultation with those parties.	GSP Alternative (SHN/Humboldt County, 2016)	Section 2.1
	(b) A list of public meetings at which the Plan was discussed or considered by the Agency.	GSP Alternative (SHN/Humboldt County, 2016)	Section 2.3
	(c) Comments regarding the Plan received by the Agency and a summary of any responses by the Agency.	GSP Alternative (SHN/Humboldt County, 2016)	Appendix B; minutes from Working Group meetings are available at www.humboldt.gov.org/groundwater
	(d) A communication section of the Plan that includes the following:		
	(1) An explanation of the Agency's decision-making process.	GSP Alternative (SHN/Humboldt County, 2016)	Sections 2.2 and 2.5
	(2) Identification of opportunities for public engagement and a discussion of how public input and response will be used.	GSP Alternative (SHN/Humboldt County, 2016)	Section 2.2
	(3) A description of how the Agency encourages the active involvement of diverse social, cultural, and economic elements of the population within the basin.	GSP Alternative (SHN/Humboldt County, 2016)	Section 2.2
	(4) The method the Agency shall follow to inform the public about progress implementing the Plan, including the status of projects and actions.	GSP Alternative (SHN/Humboldt County, 2016)	Section 2.2
SubArticle 2	Basin Setting		
§ 354.14.	Hydrogeologic Conceptual Model		
	(a) Each Plan shall include a descriptive hydrogeologic conceptual model of the basin based on technical studies and qualified maps that characterizes the physical components and interaction of the surface water and groundwater systems in the basin.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.1
	(b) The hydrogeologic conceptual model shall be summarized in a written description that includes the following:		
	(1) The regional geologic and structural setting of the basin including the immediate surrounding area, as necessary for geologic consistency.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.1
	(2) Lateral basin boundaries, including major geologic features that significantly affect groundwater flow.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.1
	(3) The definable bottom of the basin.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.1
	(4) Principal aquifers and aquitards, including the following information:	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.1
	(A) Formation names, if defined.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.1
	(B) Physical properties of aquifers and aquitards, including the vertical and lateral extent, hydraulic conductivity, and storativity, which may be based on existing technical studies or other best available information.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.1
	(C) Structural properties of the basin that restrict groundwater flow within the principal aquifers, including information regarding stratigraphic changes, truncation of units, or other features.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.1
	(D) General water quality of the principal aquifers, which may be based on information derived from existing technical studies or regulatory programs.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.1
	(E) Identification of the primary use or uses of each aquifer, such as domestic, irrigation, or municipal water supply.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.1

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	(5) Identification of data gaps and uncertainty within the hydrogeologic conceptual model	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.1
	(c) The hydrogeologic conceptual model shall be represented graphically by at least two scaled cross-sections that display the information required by this section and are sufficient to depict major stratigraphic and structural features in the basin.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.1
	(d) Physical characteristics of the basin shall be represented on one or more maps that depict the following:	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.1
	(1) Topographic information derived from the U.S. Geological Survey or another reliable source.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.1
	(2) Surficial geology derived from a qualified map including the locations of cross-sections required by this Section.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.1
	(3) Soil characteristics as described by the appropriate Natural Resources Conservation Service soil survey or other applicable studies.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.1
	(4) Delineation of existing recharge areas that substantially contribute to the replenishment of the basin, potential recharge areas, and discharge areas, including significant active springs, seeps, and wetlands within or adjacent to the basin.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.1
	(5) Surface water bodies that are significant to the management of the basin.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.1
§ 354.16.	Groundwater Conditions		
	Each Plan shall provide a description of current and historical groundwater conditions in the basin, including data from January 1, 2015, to current conditions, based on the best available information that includes the following:	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.2
	(a) Groundwater elevation data demonstrating flow directions, lateral and vertical gradients, and regional pumping patterns, including:	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.2
	(1) Groundwater elevation contour maps depicting the groundwater table or potentiometric surface associated with the current seasonal high and seasonal low for each principal aquifer within the basin.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.2
	(2) Hydrographs depicting long-term groundwater elevations, historical highs and lows, and hydraulic gradients between principal aquifers.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.2
	(b) A graph depicting estimates of the change in groundwater in storage, based on data, demonstrating the annual and cumulative change in the volume of groundwater in storage between seasonal high groundwater conditions, including the annual groundwater use and water year type.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.2
	(c) Seawater intrusion conditions in the basin, including maps and cross-sections of the seawater intrusion front for each principal aquifer.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.2
	(d) Groundwater quality issues that may affect the supply and beneficial uses of groundwater, including a description and map of the location of known groundwater contamination sites and plumes.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.2

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	(e) The extent, cumulative total, and annual rate of land subsidence, including maps depicting total subsidence, utilizing data available from the Department, as specified in Section 353.2, or the best available information.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.2
	(f) Identification of interconnected surface water systems within the basin and an estimate of the quantity and timing of depletions of those systems, utilizing data available from the Department, as specified in Section 353.2, or the best available information.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.2
	(g) Identification of groundwater dependent ecosystems within the basin, utilizing data available from the Department, as specified in Section 353.2, or the best available information.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.2
§ 344.18.	Water Budget		
	(a) Each Plan shall include a water budget for the basin that provides an accounting and assessment of the total annual volume of groundwater and surface water entering and leaving the basin, including historical, current and projected water budget conditions, and the change in the volume of water stored. Water budget information shall be reported in tabular and graphical form.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.3 and Appendix H; see text for explanation why projected water budget conditions were not developed
	(b) The water budget shall quantify the following, either through direct measurements or estimates based on data:	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.3 and Appendix H
	(1) Total surface water entering and leaving a basin by water source type.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.3 and Appendix H
	(2) Inflow to the groundwater system by water source type, including subsurface groundwater inflow and infiltration of precipitation, applied water, and surface water systems, such as lakes, streams, rivers, canals, springs and conveyance systems.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.3 and Appendix H
	(3) Outflows from the groundwater system by water use sector, including evapotranspiration, groundwater extraction, groundwater discharge to surface water sources, and subsurface groundwater outflow.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.3 and Appendix H
	(4) The change in the annual volume of groundwater in storage between seasonal high conditions.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.3 and Appendix H
	(5) If overdraft conditions occur, as defined in Bulletin 118, the water budget shall include a quantification of overdraft over a period of years during which water year and water supply conditions approximate average conditions.	n/a	Overdraft conditions do not exist
	(6) The water year type associated with the annual supply, demand, and change in groundwater stored.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.3 and Appendix H
	(7) An estimate of sustainable yield for the basin.	n/a	See explanation in Section 3.3 why an estimate of sustainable yield is not presented
	(c) Each Plan shall quantify the current, historical, and projected water budget for the basin as follows:		
	(1) Current water budget information shall quantify current inflows and outflows for the basin using the most recent hydrology, water supply, water demand, and land use information.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.3 and Appendix H

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	(2) Historical water budget information shall be used to evaluate availability or reliability of past surface water supply deliveries and aquifer response to water supply and demand trends relative to water year type. The historical water budget shall include the following:	n/a	This level of analysis is unwarranted, because the Basin has been managed sustainably without undesirable effects.
	(A) A quantitative evaluation of the availability or reliability of historical surface water supply deliveries as a function of the historical planned versus actual annual surface water deliveries, by surface water source and water year type, and based on the most recent ten years of surface water supply information.	n/a	This level of analysis is unwarranted, because the Basin has been managed sustainably without undesirable effects.
	(B) A quantitative assessment of the historical water budget, starting with the most recently available information and extending back a minimum of 10 years, or as is sufficient to calibrate and reduce the uncertainty of the tools and methods used to estimate and project future water budget information and future aquifer response to proposed sustainable groundwater management practices over the planning and implementation horizon.	n/a	This level of analysis is unwarranted, because the Basin has been managed sustainably without undesirable effects.
	(C) A description of how historical conditions concerning hydrology, water demand, and surface water supply availability or reliability have impacted the ability of the Agency to operate the basin within sustainable yield. Basin hydrology may be characterized and evaluated using water year type.	n/a	This level of analysis is unwarranted, because the Basin has been managed sustainably without undesirable effects.
	(3) Projected water budgets shall be used to estimate future baseline conditions of supply, demand, and aquifer response to Plan implementation, and to identify the uncertainties of these projected water budget components. The projected water budget shall utilize the following methodologies and assumptions to estimate future baseline conditions concerning hydrology, water demand and surface water supply availability or reliability over the planning and implementation horizon:	n/a	This level of analysis is unwarranted, because the Basin has been managed sustainably without undesirable effects.
	(A) Projected hydrology shall utilize 50 years of historical precipitation, evapotranspiration, and streamflow information as the baseline condition for estimating future hydrology. The projected hydrology information shall also be applied as the baseline condition used to evaluate future scenarios of hydrologic uncertainty associated with projections of climate change and sea level rise.	n/a	This level of analysis is unwarranted, because the Basin has been managed sustainably without undesirable effects.
	(B) Projected water demand shall utilize the most recent land use, evapotranspiration, and crop coefficient information as the baseline condition for estimating future water demand. The projected water demand information shall also be applied as the baseline condition used to evaluate future scenarios of water demand uncertainty associated with projected changes in local land use planning, population growth, and climate.	n/a	This level of analysis is unwarranted, because the Basin has been managed sustainably without undesirable effects.

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	(C) Projected surface water supply shall utilize the most recent water supply information as the baseline condition for estimating future surface water supply. The projected surface water supply shall also be applied as the baseline condition used to evaluate future scenarios of surface water supply availability and reliability as a function of the historical surface water supply identified in Section 354.18(c)(2)(A), and the projected changes in local land use planning, population growth, and climate.	n/a	This level of analysis is unwarranted, because the Basin has been managed sustainably without undesirable effects.
	(d) The Agency shall utilize the following information provided, as available, by the Department pursuant to Section 353.2, or other data of comparable quality, to develop the water budget:		
	(1) Historical water budget information for mean annual temperature, mean annual precipitation, water year type, and land use.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.3 and Appendix H
	(2) Current water budget information for temperature, water year type, evapotranspiration, and land use.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.3 and Appendix H
	(3) Projected water budget information for population, population growth, climate change, and sea level rise.	n/a	This level of analysis is unwarranted, because the Basin has been managed sustainably without undesirable effects.
	(e) Each Plan shall rely on the best available information and best available science to quantify the water budget for the basin in order to provide an understanding of historical and projected hydrology, water demand, water supply, land use, population, climate change, sea level rise, groundwater and surface water interaction, and subsurface groundwater flow. If a numerical groundwater and surface water model is not used to quantify and evaluate the projected water budget conditions and the potential impacts to beneficial uses and users of groundwater, the Plan shall identify and describe an equally effective method, tool, or analytical model to evaluate projected water budget conditions.	GSP Alternative (SHN/Humboldt County, 2016)	Section 3.3 and Appendix H
	(f) The Department shall provide the California Central Valley Groundwater-Surface Water Simulation Model (C2VSIM) and the Integrated Water Flow Model (IWFM) for use by Agencies in developing the water budget. Each Agency may choose to use a different groundwater and surface water model, pursuant to Section 352.4.	n/a	n/a
§ 344.20.	Management Areas		
	(a) Each Agency may define one or more management areas within a basin if the Agency has determined that creation of management areas will facilitate implementation of the Plan. Management areas may define different minimum thresholds and be operated to different measurable objectives than the basin at large, provided that undesirable results are defined consistently throughout the basin.	n/a	Establishment of management areas has been determined to be unwarranted.
	(b) A basin that includes one or more management areas shall describe the following in the Plan:	n/a	Establishment of management areas has been determined to be unwarranted.
	(1) The reason for the creation of each management area.	n/a	Establishment of management areas has been determined to be unwarranted.

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	(2) The minimum thresholds and measurable objectives established for each management area, and an explanation of the rationale for selecting those values, if different from the basin at large.	n/a	Establishment of management areas has been determined to be unwarranted.
	(3) The level of monitoring and analysis appropriate for each management area.	n/a	Establishment of management areas has been determined to be unwarranted.
	(4) An explanation of how the management area can operate under different minimum thresholds and measurable objectives without causing undesirable results outside the management area, if applicable.	n/a	Establishment of management areas has been determined to be unwarranted.
	(c) If a Plan includes one or more management areas, the Plan shall include descriptions, maps, and other information required by this Subarticle sufficient to describe conditions in those areas.	n/a	Establishment of management areas has been determined to be unwarranted.
SubArticle 3	Administrative Information		
§ 354.24.	Sustainability Goal		
	Each Agency shall establish in its Plan a sustainability goal for the basin that culminates in the absence of undesirable results within 20 years of the applicable statutory deadline. The Plan shall include a description of the sustainability goal, including information from the basin setting used to establish the sustainability goal, a discussion of the measures that will be implemented to ensure that the basin will be operated within its sustainable yield, and an explanation of how the sustainability goal is likely to be achieved within 20 years of Plan implementation and is likely to be maintained through the planning and implementation horizon.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.1
§ 354.26.	Undesirable Results		
	(a) Each Agency shall describe in its Plan the processes and criteria relied upon to define undesirable results applicable to the basin. Undesirable results occur when significant and unreasonable effects for any of the sustainability indicators are caused by groundwater conditions occurring throughout the basin.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.2
	(b) The description of undesirable results shall include the following:		
	(1) The cause of groundwater conditions occurring throughout the basin that would lead to or has led to undesirable results based on information described in the basin setting, and other data or models as appropriate.	n/a	This level of analysis is unwarranted, because the Basin has been managed sustainably without undesirable effects.
	(2) The criteria used to define when and where the effects of the groundwater conditions cause undesirable results for each applicable sustainability indicator. The criteria shall be based on a quantitative description of the combination of minimum threshold exceedances that cause significant and unreasonable effects in the basin.	n/a	This level of analysis is unwarranted, because the Basin has been managed sustainably without undesirable effects.
	(3) Potential effects on the beneficial uses and users of groundwater, on land uses and property interests, and other potential effects that may occur or are occurring from undesirable results.	n/a	This level of analysis is unwarranted, because the Basin has been managed sustainably without undesirable effects.

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	(c) The Agency may need to evaluate multiple minimum thresholds to determine whether an undesirable result is occurring in the basin. The determination that undesirable results are occurring may depend upon measurements from multiple monitoring sites, rather than a single monitoring site.	n/a	This level of analysis is unwarranted, because the Basin has been managed sustainably without undesirable effects.
	(d) An Agency that is able to demonstrate that undesirable results related to one or more sustainability indicators are not present and are not likely to occur in a basin shall not be required to establish criteria for undesirable results related to those sustainability indicators.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.2
§ 354.28.	Minimum Threshold		
	(a) Each Agency in its Plan shall establish minimum thresholds that quantify groundwater conditions for each applicable sustainability indicator at each monitoring site or representative monitoring site established pursuant to Section 354.36. The numeric value used to define minimum thresholds shall represent a point in the basin that, if exceeded, may cause undesirable results as described in Section 354.26.	n/a	See discussion in Section 4.3 why minimum thresholds are not established
	(b) The description of minimum thresholds shall include the following:		
	(1) The information and criteria relied upon to establish and justify the minimum thresholds for each sustainability indicator. The justification for the minimum threshold shall be supported by information provided in the basin setting, and other data or models as appropriate, and qualified by uncertainty in the understanding of the basin setting.	n/a	See discussion in Section 4.3 why minimum thresholds are not established
	(2) The relationship between the minimum thresholds for each sustainability indicator, including an explanation of how the Agency has determined that basin conditions at each minimum threshold will avoid undesirable results for each of the sustainability indicators.	n/a	See discussion in Section 4.3 why minimum thresholds are not established
	(3) How minimum thresholds have been selected to avoid causing undesirable results in adjacent basins or affecting the ability of adjacent basins to achieve sustainability goals.	n/a	See discussion in Section 4.3 why minimum thresholds are not established
	(4) How minimum thresholds may affect the interests of beneficial uses and users of groundwater or land uses and property interests.	n/a	See discussion in Section 4.3 why minimum thresholds are not established
	(5) How state, federal, or local standards relate to the relevant sustainability indicator. If the minimum threshold differs from other regulatory standards, the Agency shall explain the nature of and basis for the difference.	n/a	See discussion in Section 4.3 why minimum thresholds are not established
	(6) How each minimum threshold will be quantitatively measured, consistent with the monitoring network requirements described in Subarticle 4.	n/a	See discussion in Section 4.3 why minimum thresholds are not established
	(c) Minimum thresholds for each sustainability indicator shall be defined as follows:		

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	(1) Chronic Lowering of Groundwater Levels. The minimum threshold for chronic lowering of groundwater levels shall be the groundwater elevation indicating a depletion of supply at a given location that may lead to undesirable results. Minimum thresholds for chronic lowering of groundwater levels shall be supported by the following:	n/a	See discussion in Section 4.3 why minimum thresholds are not established
	(A) The rate of groundwater elevation decline based on historical trends, water year type, and projected water use in the basin.	n/a	See discussion in Section 4.3 why minimum thresholds are not established
	(B) Potential effects on other sustainability indicators.	n/a	See discussion in Section 4.3 why minimum thresholds are not established
	(2) Reduction of Groundwater Storage. The minimum threshold for reduction of groundwater storage shall be a total volume of groundwater that can be withdrawn from the basin without causing conditions that may lead to undesirable results. Minimum thresholds for reduction of groundwater storage shall be supported by the sustainable yield of the basin, calculated based on historical trends, water year type, and projected water use in the basin.	n/a	See discussion in Section 4.3 why minimum thresholds are not established
	(3) Seawater Intrusion. The minimum threshold for seawater intrusion shall be defined by a chloride concentration isocontour for each principal aquifer where seawater intrusion may lead to undesirable results. Minimum thresholds for seawater intrusion shall be supported by the following:	n/a	See discussion in Section 4.3 why minimum thresholds are not established
	(A) Maps and cross-sections of the chloride concentration isocontour that defines the minimum threshold and measurable objective for each principal aquifer.	n/a	See discussion in Section 4.3 why minimum thresholds are not established
	(B) A description of how the seawater intrusion minimum threshold considers the effects of current and projected sea levels.	n/a	See discussion in Section 4.3 why minimum thresholds are not established
	(4) Degraded Water Quality. The minimum threshold for degraded water quality shall be the degradation of water quality, including the migration of contaminant plumes that impair water supplies or other indicator of water quality as determined by the Agency that may lead to undesirable results. The minimum threshold shall be based on the number of supply wells, a volume of water, or a location of an isocontour that exceeds concentrations of constituents determined by the Agency to be of concern for the basin. In setting minimum thresholds for degraded water quality, the Agency shall consider local, state, and federal water quality standards applicable to the basin.	n/a	See discussion in Section 4.3 why minimum thresholds are not established
	(5) Land Subsidence. The minimum threshold for land subsidence shall be the rate and extent of subsidence that substantially interferes with surface land uses and may lead to undesirable results. Minimum thresholds for land subsidence shall be supported by the following:	n/a	See discussion in Section 4.3 why minimum thresholds are not established
	(A) Identification of land uses and property interests that have been affected or are likely to be affected by land subsidence in the basin, including an explanation of how the Agency has determined and considered those uses and interests, and the Agency's rationale for establishing minimum thresholds in light of those effects.	n/a	See discussion in Section 4.3 why minimum thresholds are not established

<i>California Code of Regulations - GSP Regulation Sections</i>	<i>Alternative Elements</i>	<i>Document which attachment(s) contains the applicable alternative element.</i>	<i>Document which section(s), page number(s), or briefly describe why that Alternative element does not apply to the entity.</i>
	(B) Maps and graphs showing the extent and rate of land subsidence in the basin that defines the minimum threshold and measurable objectives.	n/a	See discussion in Section 4.3 why minimum thresholds are not established
	(6) Depletions of Interconnected Surface Water. The minimum threshold for depletions of interconnected surface water shall be the rate or volume of surface water depletions caused by groundwater use that has adverse impacts on beneficial uses of the surface water and may lead to undesirable results. The minimum threshold established for depletions of interconnected surface water shall be supported by the following:	n/a	See discussion in Section 4.3 why minimum thresholds are not established
	(A) The location, quantity, and timing of depletions of interconnected surface water.	n/a	See discussion in Section 4.3 why minimum thresholds are not established
	(B) A description of the groundwater and surface water model used to quantify surface water depletion. If a numerical groundwater and surface water model is not used to quantify surface water depletion, the Plan shall identify and describe an equally effective method, tool, or analytical model to accomplish the requirements of this Paragraph.	n/a	See discussion in Section 4.3 why minimum thresholds are not established
	(d) An Agency may establish a representative minimum threshold for groundwater elevation to serve as the value for multiple sustainability indicators, where the Agency can demonstrate that the representative value is a reasonable proxy for multiple individual minimum thresholds as supported by adequate evidence.	n/a	See discussion in Section 4.3 why minimum thresholds are not established
	(e) An Agency that has demonstrated that undesirable results related to one or more sustainability indicators are not present and are not likely to occur in a basin, as described in Section 354.26, shall not be required to establish minimum thresholds related to those sustainability indicators.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.3
§ 354.30.	Measurable Objectives		
	(a) Each Agency shall establish measurable objectives, including interim milestones in increments of five years, to achieve the sustainability goal for the basin within 20 years of Plan implementation and to continue to sustainably manage the groundwater basin over the planning and implementation horizon.	n/a	See discussion in Section 4.4 why measurable objectives are not established; a functionally-equivalent goal-setting framework is proposed.
	(b) Measurable objectives shall be established for each sustainability indicator, based on quantitative values using the same metrics and monitoring sites as are used to define the minimum thresholds.	n/a	See discussion in Section 4.4 why measurable objectives are not established; a functionally-equivalent goal-setting framework is proposed.
	(c) Measurable objectives shall provide a reasonable margin of operational flexibility under adverse conditions which shall take into consideration components such as historical water budgets, seasonal and long-term trends, and periods of drought, and be commensurate with levels of uncertainty.	n/a	See discussion in Section 4.4 why measurable objectives are not established; a functionally-equivalent goal-setting framework is proposed.
	(d) An Agency may establish a representative measurable objective for groundwater elevation to serve as the value for multiple sustainability indicators where the Agency can demonstrate that the representative value is a reasonable proxy for multiple individual measurable objectives as supported by adequate evidence.	n/a	See discussion in Section 4.4 why measurable objectives are not established; a functionally-equivalent goal-setting framework is proposed.

<i>California Code of Regulations - GSP Regulation Sections</i>	<i>Alternative Elements</i>	<i>Document which attachment(s) contains the applicable alternative element.</i>	<i>Document which section(s), page number(s), or briefly describe why that Alternative element does not apply to the entity.</i>
	(e) Each Plan shall describe a reasonable path to achieve the sustainability goal for the basin within 20 years of Plan implementation, including a description of interim milestones for each relevant sustainability indicator, using the same metric as the measurable objective, in increments of five years. The description shall explain how the Plan is likely to maintain sustainable groundwater management over the planning and implementation horizon.	n/a	See discussion in Section 4.4 why measurable objectives are not established; a functionally-equivalent goal-setting framework is proposed.
	(f) Each Plan may include measurable objectives and interim milestones for additional Plan elements described in Water Code Section 10727.4 where the Agency determines such measures are appropriate for sustainable groundwater management in the basin.	n/a	See discussion in Section 4.4 why measurable objectives are not established; a functionally-equivalent goal-setting framework is proposed.
	(g) An Agency may establish measurable objectives that exceed the reasonable margin of operational flexibility for the purpose of improving overall conditions in the basin, but failure to achieve those objectives shall not be grounds for a finding of inadequacy of the Plan.	n/a	See discussion in Section 4.4 why measurable objectives are not established; a functionally-equivalent goal-setting framework is proposed.
SubArticle 4	Monitoring Networks		
§ 354.34.	Monitoring Network		
	(a) Each Agency shall develop a monitoring network capable of collecting sufficient data to demonstrate short-term, seasonal, and long-term trends in groundwater and related surface conditions, and yield representative information about groundwater conditions as necessary to evaluate Plan implementation.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5
	(b) Each Plan shall include a description of the monitoring network objectives for the basin, including an explanation of how the network will be developed and implemented to monitor groundwater and related surface conditions, and the interconnection of surface water and groundwater, with sufficient temporal frequency and spatial density to evaluate the affects and effectiveness of Plan implementation. The monitoring network objectives shall be implemented to accomplish the following:	n/a	This level of analysis is unwarranted, because the Basin has been managed sustainably without undesirable effects.
	(1) Demonstrate progress toward achieving measurable objectives described in the Plan.	n/a	This level of analysis is unwarranted, because the Basin has been managed sustainably without undesirable effects.
	(2) Monitor impacts to the beneficial uses or users of groundwater.	n/a	This level of analysis is unwarranted, because the Basin has been managed sustainably without undesirable effects.
	(3) Monitor changes in groundwater conditions relative to measurable objectives and minimum thresholds.	n/a	This level of analysis is unwarranted, because the Basin has been managed sustainably without undesirable effects.
	(4) Quantify annual changes in water budget components.	n/a	This level of analysis is unwarranted, because the Basin has been managed sustainably without undesirable effects.
	(c) Each monitoring network shall be designed to accomplish the following for each sustainability indicator:		
	(1) Chronic Lowering of Groundwater Levels. Demonstrate groundwater occurrence, flow directions, and hydraulic gradients between principal aquifers and surface water features by the following methods:	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5

California Code of Regulations - GSP Regulation Sections	Alternative Elements	Document which attachment(s) contains the applicable alternative element.	Document which section(s), page number(s), or briefly describe why that Alternative element does not apply to the entity.
	(A) A sufficient density of monitoring wells to collect representative measurements through depth-discrete perforated intervals to characterize the groundwater table or potentiometric surface for each principal aquifer.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5
	(B) Static groundwater elevation measurements shall be collected at least two times per year, to represent seasonal low and seasonal high groundwater conditions.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5
	(2) Reduction of Groundwater Storage. Provide an estimate of the change in annual groundwater in storage.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5
	(3) Seawater Intrusion. Monitor seawater intrusion using chloride concentrations, or other measurements convertible to chloride concentrations, so that the current and projected rate and extent of seawater intrusion for each applicable principal aquifer may be calculated.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5
	(4) Degraded Water Quality. Collect sufficient spatial and temporal data from each applicable principal aquifer to determine groundwater quality trends for water quality indicators, as determined by the Agency, to address known water quality issues.	n/a	Existing drinking water and contaminant site programs are sufficient; no new SGMA-based monitoring is warranted
	(5) Land Subsidence. Identify the rate and extent of land subsidence, which may be measured by extensometers, surveying, remote sensing technology, or other appropriate method.	n/a	Monitoring for land subsidence is unwarranted due to basin conditions.
	(6) Depletions of Interconnected Surface Water. Monitor surface water and groundwater, where interconnected surface water conditions exist, to characterize the spatial and temporal exchanges between surface water and groundwater, and to calibrate and apply the tools and methods necessary to calculate depletions of surface water caused by groundwater extractions. The monitoring network shall be able to characterize the following:	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5
	(A) Flow conditions including surface water discharge, surface water head, and baseflow contribution.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5 - water elevation monitoring only is reasonable and appropriate; potential modifications will be considered at the five-year assessment
	(B) Identifying the approximate date and location where ephemeral or intermittent flowing streams and rivers cease to flow, if applicable.	n/a	Section 4.5 - water elevation monitoring only is reasonable and appropriate; potential modifications will be considered at the five-year assessment
	(C) Temporal change in conditions due to variations in stream discharge and regional groundwater extraction.	n/a	Section 4.5 - water elevation monitoring only is reasonable and appropriate; potential modifications will be considered at the five-year assessment
	(D) Other factors that may be necessary to identify adverse impacts on beneficial uses of the surface water.	n/a	Water elevation monitoring only is reasonable and appropriate; potential modifications will be considered at the five-year assessment
	(d) The monitoring network shall be designed to ensure adequate coverage of sustainability indicators. If management areas are established, the quantity and density of monitoring sites in those areas shall be sufficient to evaluate conditions of the basin setting and sustainable management criteria specific to that area.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5

<i>California Code of Regulations - GSP Regulation Sections</i>	<i>Alternative Elements</i>	<i>Document which attachment(s) contains the applicable alternative element.</i>	<i>Document which section(s), page number(s), or briefly describe why that Alternative element does not apply to the entity.</i>
	(e) A Plan may utilize site information and monitoring data from existing sources as part of the monitoring network.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5
	(f) The Agency shall determine the density of monitoring sites and frequency of measurements required to demonstrate short-term, seasonal, and long-term trends based upon the following factors:	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5
	(1) Amount of current and projected groundwater use.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5
	(2) Aquifer characteristics, including confined or unconfined aquifer conditions, or other physical characteristics that affect groundwater flow.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5
	(3) Impacts to beneficial uses and users of groundwater and land uses and property interests affected by groundwater production, and adjacent basins that could affect the ability of that basin to meet the sustainability goal.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5
	(4) Whether the Agency has adequate long-term existing monitoring results or other technical information to demonstrate an understanding of aquifer response.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5
	(g) Each Plan shall describe the following information about the monitoring network:		
	(1) Scientific rationale for the monitoring site selection process.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5
	(2) Consistency with data and reporting standards described in Section 352.4. If a site is not consistent with those standards, the Plan shall explain the necessity of the site to the monitoring network, and how any variation from the standards will not affect the usefulness of the results obtained.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5
	(3) For each sustainability indicator, the quantitative values for the minimum threshold, measurable objective, and interim milestones that will be measured at each monitoring site or representative monitoring sites established pursuant to Section 354.36.	n/a	This GSP Alternative is not establishing minimum thresholds or measurable objectives
	(h) The location and type of each monitoring site within the basin displayed on a map, and reported in tabular format, including information regarding the monitoring site type, frequency of measurement, and the purposes for which the monitoring site is being used.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5
	(i) The monitoring protocols developed by each Agency shall include a description of technical standards, data collection methods, and other procedures or protocols pursuant to Water Code Section 10727.2(f) for monitoring sites or other data collection facilities to ensure that the monitoring network utilizes comparable data and methodologies.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5
	(j) An Agency that has demonstrated that undesirable results related to one or more sustainability indicators are not present and are not likely to occur in a basin, as described in Section 354.26, shall not be required to establish a monitoring network related to those sustainability indicators.	GSP Alternative (SHN/Humboldt County, 2016)	provision noted
§ 354.36.	Representative Monitoring		
	Each Agency may designate a subset of monitoring sites as representative of conditions in the basin or an area of the basin, as follows:		

California Code of Regulations - GSP Regulation Sections	Alternative Elements	Document which attachment(s) contains the applicable alternative element.	Document which section(s), page number(s), or briefly describe why that Alternative element does not apply to the entity.
	(a) Representative monitoring sites may be designated by the Agency as the point at which sustainability indicators are monitored, and for which quantitative values for minimum thresholds, measurable objectives, and interim milestones are defined.	n/a	Representative monitoring is discussed in Section 4.5, however this GSP Alternative is not establishing minimum thresholds or measurable objectives
	(b) Groundwater elevations may be used as a proxy for monitoring other sustainability indicators if the Agency demonstrates the following:	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5
	(1) Significant correlation exists between groundwater elevations and the sustainability indicators for which groundwater elevation measurements serve as a proxy.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5
	(2) Measurable objectives established for groundwater elevation shall include a reasonable margin of operational flexibility taking into consideration the basin setting to avoid undesirable results for the sustainability indicators for which groundwater elevation measurements serve as a proxy.	n/a	This GSP Alternative is not establishing measurable objectives
	(c) The designation of a representative monitoring site shall be supported by adequate evidence demonstrating that the site reflects general conditions in the area.	GSP Alternative (SHN/Humboldt County, 2016)	Section 4.5
§ 354.38.	Assessment and Improvement of Monitoring Network		
	(a) Each Agency shall review the monitoring network and include an evaluation in the Plan and each five-year assessment, including a determination of uncertainty and whether there are data gaps that could affect the ability of the Plan to achieve the sustainability goal for the basin.	n/a	This level of analysis is unwarranted for a GSP Alternative
	(b) Each Agency shall identify data gaps wherever the basin does not contain a sufficient number of monitoring sites, does not monitor sites at a sufficient frequency, or utilizes monitoring sites that are unreliable, including those that do not satisfy minimum standards of the monitoring network adopted by the Agency.	n/a	This level of analysis is unwarranted for a GSP Alternative
	(c) If the monitoring network contains data gaps, the Plan shall include a description of the following:	n/a	This level of analysis is unwarranted for a GSP Alternative
	(1) The location and reason for data gaps in the monitoring network.	n/a	This level of analysis is unwarranted for a GSP Alternative
	(2) Local issues and circumstances that limit or prevent monitoring.	n/a	This level of analysis is unwarranted for a GSP Alternative
	(d) Each Agency shall describe steps that will be taken to fill data gaps before the next five-year assessment, including the location and purpose of newly added or installed monitoring sites.	n/a	This level of analysis is unwarranted for a GSP Alternative
	(e) Each Agency shall adjust the monitoring frequency and density of monitoring sites to provide an adequate level of detail about site-specific surface water and groundwater conditions and to assess the effectiveness of management actions under circumstances that include the following:	n/a	This level of analysis is unwarranted for a GSP Alternative
	(1) Minimum threshold exceedances.	n/a	This level of analysis is unwarranted for a GSP Alternative
	(2) Highly variable spatial or temporal conditions.	n/a	This level of analysis is unwarranted for a GSP Alternative
	(3) Adverse impacts to beneficial uses and users of groundwater.	n/a	This level of analysis is unwarranted for a GSP Alternative

<i>California Code of Regulations - GSP Regulation Sections</i>	<i>Alternative Elements</i>	<i>Document which attachment(s) contains the applicable alternative element.</i>	<i>Document which section(s), page number(s), or briefly describe why that Alternative element does not apply to the entity.</i>
	(4) The potential to adversely affect the ability of an adjacent basin to implement its Plan or impede achievement of sustainability goals in an adjacent basin.	n/a	This level of analysis is unwarranted for a GSP Alternative
§ 354.40.	Reporting Monitoring Data to the Department		
	Monitoring data shall be stored in the data management system developed pursuant to Section 352.6. A copy of the monitoring data shall be included in the Annual Report and submitted electronically on forms provided by the Department.	GSP Alternative (SHN/Humboldt County, 2016)	Section 5.0
SubArticle 5	Projects and Management Actions		
§ 354.44	Projects and Management Actions		
	a) Each Plan shall include a description of the projects and management actions the Agency has determined will achieve the sustainability goal for the basin, including projects and management actions to respond to changing conditions in the basin.	GSP Alternative (SHN/Humboldt County, 2016)	Section 5.0
	(b) Each Plan shall include a description of the projects and management actions that include the following:	n/a	see discussion in Section 5.0
	(1) A list of projects and management actions proposed in the Plan with a description of the measurable objective that is expected to benefit from the project or management action. The list shall include projects and management actions that may be utilized to meet interim milestones, the exceedance of minimum thresholds, or where undesirable results have occurred or are imminent. The Plan shall include the following:	n/a	see discussion in Section 5.0
	(A) A description of the circumstances under which projects or management actions shall be implemented, the criteria that would trigger implementation and termination of projects or management actions, and the process by which the Agency shall determine that conditions requiring the implementation of particular projects or management actions have occurred.	n/a	see discussion in Section 5.0
	(B) The process by which the Agency shall provide notice to the public and other agencies that the implementation of projects or management actions is being considered or has been implemented, including a description of the actions to be taken.	n/a	see discussion in Section 5.0
	(2) If overdraft conditions are identified through the analysis required by Section 354.18, the Plan shall describe projects or management actions, including a quantification of demand reduction or other methods, for the mitigation of overdraft.	n/a	see discussion in Section 5.0
	(3) A summary of the permitting and regulatory process required for each project and management action.	n/a	see discussion in Section 5.0
	(4) The status of each project and management action, including a time-table for expected initiation and completion, and the accrual of expected benefits.	n/a	see discussion in Section 5.0
	(5) An explanation of the benefits that are expected to be realized from the project or management action, and how those benefits will be evaluated.	n/a	see discussion in Section 5.0

California Code of Regulations - GSP Regulation Sections	Alternative Elements	Document which attachment(s) contains the applicable alternative element.	Document which section(s), page number(s), or briefly describe why that Alternative element does not apply to the entity.
	(6) An explanation of how the project or management action will be accomplished. If the projects or management actions rely on water from outside the jurisdiction of the Agency, an explanation of the source and reliability of that water shall be included.	n/a	see discussion in Section 5.0
	(7) A description of the legal authority required for each project and management action, and the basis for that authority within the Agency.	n/a	see discussion in Section 5.0
	(8) A description of the estimated cost for each project and management action and a description of how the Agency plans to meet those costs.	n/a	see discussion in Section 5.0
	(9) A description of the management of groundwater extractions and recharge to ensure that chronic lowering of groundwater levels or depletion of supply during periods of drought is offset by increases in groundwater levels or storage during other periods.	n/a	see discussion in Section 5.0
	(c) Projects and management actions shall be supported by best available information and best available science.	GSP Alternative (SHN/Humboldt County, 2016)	Section 5.0
	(d) An Agency shall take into account the level of uncertainty associated with the basin setting when developing projects or management actions.	GSP Alternative (SHN/Humboldt County, 2016)	Section 5.0
Article 7	Annual Reports and Periodic Evaluations by the Agency		
§ 356.2	Annual Reports		
	Each Agency shall submit an annual report to the Department by April 1 of each year following the adoption of the Plan. The annual report shall include the following components for the preceding water year:	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(a) General information, including an executive summary and a location map depicting the basin covered by the report.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(b) A detailed description and graphical representation of the following conditions of the basin managed in the Plan:	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(1) Groundwater elevation data from monitoring wells identified in the monitoring network shall be analyzed and displayed as follows:	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(A) Groundwater elevation contour maps for each principal aquifer in the basin illustrating, at a minimum, the seasonal high and seasonal low groundwater conditions.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(B) Hydrographs of groundwater elevations and water year type using historical data to the greatest extent available, including from January 1, 2015, to current reporting year.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(2) Groundwater extraction for the preceding water year. Data shall be collected using the best available measurement methods and shall be presented in a table that summarizes groundwater extractions by water use sector, and identifies the method of measurement (direct or estimate) and accuracy of measurements, and a map that illustrates the general location and volume of groundwater extractions.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(3) Surface water supply used or available for use, for groundwater recharge or in-lieu use shall be reported based on quantitative data that describes the annual volume and sources for the preceding water year.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0

<i>California Code of Regulations - GSP Regulation Sections</i>	<i>Alternative Elements</i>	<i>Document which attachment(s) contains the applicable alternative element.</i>	<i>Document which section(s), page number(s), or briefly describe why that Alternative element does not apply to the entity.</i>
	(4) Total water use shall be collected using the best available measurement methods and shall be reported in a table that summarizes total water use by water use sector, water source type, and identifies the method of measurement (direct or estimate) and accuracy of measurements. Existing water use data from the most recent Urban Water Management Plans or Agricultural Water Management Plans within the basin may be used, as long as the data are reported by water year.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(5) Change in groundwater in storage shall include the following:	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(A) Change in groundwater in storage maps for each principal aquifer in the basin.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(B) A graph depicting water year type, groundwater use, the annual change in groundwater in storage, and the cumulative change in groundwater in storage for the basin based on historical data to the greatest extent available, including from January 1, 2015, to the current reporting year.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(c) A description of progress towards implementing the Plan, including achieving interim milestones, and implementation of projects or management actions since the previous annual report.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
§ 356.4	Periodic Evaluation by Agency		
	Each Agency shall evaluate its Plan at least every five years and whenever the Plan is amended, and provide a written assessment to the Department. The assessment shall describe whether the Plan implementation, including implementation of projects and management actions, are meeting the sustainability goal in the basin, and shall include the following:	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(a) A description of current groundwater conditions for each applicable sustainability indicator relative to measurable objectives, interim milestones and minimum thresholds.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(b) A description of the implementation of any projects or management actions, and the effect on groundwater conditions resulting from those projects or management actions.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(c) Elements of the Plan, including the basin setting, management areas, or the identification of undesirable results and the setting of minimum thresholds and measurable objectives, shall be reconsidered and revisions proposed, if necessary.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(d) An evaluation of the basin setting in light of significant new information or changes in water use, and an explanation of any significant changes. If the Agency's evaluation shows that the basin is experiencing overdraft conditions, the Agency shall include an assessment of measures to mitigate that overdraft.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(e) A description of the monitoring network within the basin, including whether data gaps exist, or any areas within the basin are represented by data that does not satisfy the requirements of Sections 352.4 and 354.34(c). The description shall include the following:	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0

California Code of Regulations - GSP Regulation Sections	Alternative Elements	Document which attachment(s) contains the applicable alternative element.	Document which section(s), page number(s), or briefly describe why that Alternative element does not apply to the entity.
	(1) An assessment of monitoring network function with an analysis of data collected to date, identification of data gaps, and the actions necessary to improve the monitoring network, consistent with the requirements of Section 354.38.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(2) If the Agency identifies data gaps, the Plan shall describe a program for the acquisition of additional data sources, including an estimate of the timing of that acquisition, and for incorporation of newly obtained information into the Plan.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(3) The Plan shall prioritize the installation of new data collection facilities and analysis of new data based on the needs of the basin.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(f) A description of significant new information that has been made available since Plan adoption or amendment, or the last five-year assessment. The description shall also include whether new information warrants changes to any aspect of the Plan, including the evaluation of the basin setting, measurable objectives, minimum thresholds, or the criteria defining undesirable results.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(g) A description of relevant actions taken by the Agency, including a summary of regulations or ordinances related to the Plan.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(h) Information describing any enforcement or legal actions taken by the Agency in furtherance of the sustainability goal for the basin.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(i) A description of completed or proposed Plan amendments.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(j) Where appropriate, a summary of coordination that occurred between multiple Agencies in a single basin, Agencies in hydrologically connected basins, and land use agencies.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0
	(k) Other information the Agency deems appropriate, along with any information required by the Department to conduct a periodic review as required by Water Code Section 10733.	GSP Alternative (SHN/Humboldt County, 2016)	Section 6.0