

TABLE 2: SCOPING LETTERS/PHONE CALLS

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83	W4	Brenda Adelman (L) (Cont'd.)	Are the Sweetwater Springs Water District and all other Russian River water districts now in full compliance with the "Surface Water Treatment Rule?" If not, how might the cumulative impacts of all these discharges affect the Guerneville water supply? For example, is this why my plants die when I use Guerneville tapwater on them? Does Santa Rosa's wastewater discharge contribute to these problems in Guerneville?	TASKs 28 and 32		X	This EIR/EIS will not analyze compliance by other jurisdictions. This EIR/EIS will evaluate water quality impacts and cumulative impacts on downstream users.
83	W5		What is the contribution of Santa Rosa's wastewater to pathogens and coliform which cause health problems (rashes, gastrointestinal illness, etc.) to swimmers in the River?	TASK 32			Health impacts on downstream users will be evaluated.
83	W6		How does the 2.2 coliform standard relate to likely viral, bacteriological and/or parasitic contamination in the total amount of treated wastewater processed each day? What tests will be conducted for the EIR/EIS to assess exposure? What implications do Dr. Pierre Payment's experiments in Canada which suggest that current technology does not adequately remove viruses from wastewater have for Santa Rosa's wastewater management process?	TASK 32	TASK 32		The coliform standard was established as an indicator of viruses and other pathogens. The City continually tests its wastewater for coliform. Additional testing for viruses is part of the scope of work. The microbiological quality of reclaimed water will be assessed. Information from outside sources such as Mr. Payment will be evaluated. The information will be evaluated using a risk assessment approach which includes a description of treatment effectiveness uncertainties.

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83	W7	Brenda Adelman (L), Cont'd.	The RRWPC believes that Santa Rosa has some responsibility to address, in the EIR/EIS and after its completion, the issues raised by recent scientific articles linking estrogenic chemical like chlorine to human cancer and reproductive dysfunctions.	TASK 32	TASK 39		A literature search to analyze the most recent findings on the potential human health effects of estrogen-like compounds and their implications for San Rosa's treated wastewater will be conducted as part of the EIR/EIS.
83	W8		What testing and analysis has Santa Rosa conducted on its treated wastewater with respect to dioxins? What evidence exists as to whether Santa Rosa's treated wastewater contributes dioxins to the wastestream? Will this issue be analyzed during the EIR/EIS study phase?	TASK 21			Dioxins are analyzed via quarterly monitoring and none have been detected to date. Effluent characterization is in scope.

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83	X1	Brenda Adelman, (L) Cont'd.	The (Preliminary) Scoping Report gives the impression that all the question in Section 3 (List of Issues and Impact Criteria) will be answered in full in the EIR/EIS. Is this true? What opportunities will be provided to evaluate and verify the adequacy of the answers that are given and what will happen when answers are missing or are strongly contested?	X	X	X	It is the City of Santa Rosa's intention to answer questions relevant to the Long-Term Project as fully as possible in the EIR/EIS. Some issues which were included in the Scoping Report were determined not to be relevant to the analysis of the Long-Term Project and, therefore, were not included in the scope. A public participation program is planned to provide an opportunity for interested member of the public to evaluate the adequacy of the preliminary environmental impact analyses prior to release of the draft EIR/EIS. If you are on the master mailing list and have received notification about previous public involvement activities in the past, you will also be notified about these events. Resolving differences of opinion about the preliminary EIR/EIS results will be one of the functions of the public involvement program.
83	X2		What is the relevance of the water quality assessment model (Qual 2) with respect to: (1) resolving Russian River environmental degradation issues; (2) applicability of a steady-state model; (3) tracking cumulative, multi-year trends for nutrient impacts and benthic interactions with the water column; and (4) benthic effects and interactions with the water column?	X			The water quality model is being developed with input from the commenter to compare the impacts of a range of wastewater discharge rates in various river flow scenarios on the particular water quality constituents including nutrients, dissolved oxygen (DO), benthic algae, sediment/water column interactions for nutrients and DO, and a conservative tracer. The model has been modified to provide a continuous simulation rather than a steady state one.

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83	X3	Brenda Adelman, (L) Cont'd.	How will the City provide the public with full and free access to the Qual 2E Model and a more meaningful forum than the RWQCB public workshops to resolve issues about the model's design and application? One solution might be to provide the public with computer disks of the Russian River and Laguna models and the data sets used for calibration and verification.	TASK 28			See the response to comment 83 J. The City intends to continue involvement in RWQCB's public workshop process. The Regional Board has decided not to make the computer disk for the water quality model available to the public. It is available to the working group.
83	X4		To improve the Qual 2 Model, use several pertinent criteria to evaluate its predictive ability, then review the model results for each criterion to determine what improvements, if any, need to be made.	TASK 28			In scope. Calibration data for the model continue to be collected and will be used in the EIR/EIS.
83	X5		How will the Qual 2 computer model's calibration parameter's be verified so that the measured impacts of a range of wastewater discharge rates for various Russian River flow scenarios are reliable? The study team should independently verify and corroborate the values of the various measures used to calibrate the model by showing that the parameters are valid for more than a single year of calibrated data. Then, the results of the various calibration methods should be compared.	TASK 28			This issue is being addressed with the commenter in RWQCB's modeling work group meetings. Also see the response to comment 83 J.

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83	X6	Brenda Adelman, (L) Cont'd.	<p>How does the City plan to determine the validity of the input data for the Qual 2 model? The following statistical uncertainties should be taken into account:</p> <ul style="list-style-type: none"> • Whether data distributions are normal • Number of data points • Average and standard deviations <p>Other uncertainties in the data should be described which relate to:</p> <ul style="list-style-type: none"> • Russian River flows including storm transients • Up-to-date and verified withdrawal volums resulting from irrigation, municipal use, etc. by season • Severe dissolved oxygen deficiencies at night especially in the Laguna • Water temperature measurements not taken in stream • Nitrate loads in the System's effluent 	TASK 28			This issue is being addressed with the commenter in RWQCB's modeling work group meetings. Also see the response to comment 83 J.

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83	AC	Brenda Adelman, (L) (Cont'd.)	When evaluating irrigation impacts for relevant alternatives, for each property analyze what type of soils will be irrigated and whether they are suitable for cultivation. Pursuant to this, include the following information for each property: a) Map of soil types within the net irrigation area b) Existence and depth of impermeable subsurface layer c) Levelling, tilling, fencing and drainage required for cultivation.	TASK 18		X	See responses to comments 2I, 2S and 83 AA, AB.
			For each studied property, indicate what cultivation is anticipated and include the following information for each property: a) The type of plants to be grown b) Number of crop or pasture rotations per season c) Compatibility of soil types and crops d) Fertilization and soil amendment needs	TASK 18		X	See responses to comments 2I, 2S and 83 AA, AB.

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83	AD	Brenda Adelman, (L) Cont'd.	For each property to be studied, indicate how much water would be used and include a water balance in each season which discloses: a) Volume taken up by plants b) Volume lost to evapotranspiration c) Volume drained from root zones d) Volume of fresh or rainwater required for flushing salts from root zones	TASK 18			See response to comment 2I, 2S and 83 AA, AB.
83	AE		Evaluate whether constituents in the reclaimed water used for irrigation accumulate in the soil and/or migrate to groundwater. For each property in each season, include a mass balance for the main constituents of concern (e.g., sodium chloride, nitrogen/nitrates, copper).	TASK 18			See response to comment 4I C.

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83	AF	Brenda Adelman, (L) Cont'd.	For each property to be studied, disclose how drainage will be provided with respect to: a) Type of drainage system required for the combination of soil and crop at that location b) Location of discharge and receiving water body c) Quality of drainage effluent d) Potential water quality and stream flow impacts, including the cumulative impacts of all such discharges for each watershed/receiving water	TASK 18			See response to comment 2I, 2S and 83 AA, AB.

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83	AG	Brenda Adelman, (L) Cont'd.	<p>Provide information about what the full cost of irrigation with the System's treated wastewater would be. For each property, indicate:</p> <ul style="list-style-type: none"> a) Initial cost of inter-seasonal reservoirs and supply pipelines (including legal costs, permitting). b) Initial cost of irrigation supply lines and equipment (e.g. sprinklers, pumps) c) Initial cost of field preparations for cultivation, including leveling, tilling, fencing, and drainage d) Annual costs of permitting, environmental monitoring, and receiving water impact mitigation measures (for the reservoir system and at the irrigation sites) e) Operating and maintenance costs (for the reservoir system and at the irrigation sites). 	TASK 33		X	The alternative projects' cost estimates include the elements suggested as typical cost not by individual properties. The cost of unknown potential litigation will not be included.

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83	AH1	Brenda Adelman, (L) Cont'd.	<p>Provide information about the socioeconomic impacts of wastewater irrigation for each site and the aggregate sites with respect to:</p> <ul style="list-style-type: none"> a) Changes in farming operations (e.g., dry pasture dairy to irrigation pasture or vegetable crops). b) Need for and costs of new farming equipment c) Time and costs of transition to new operations (e.g., lost harvesting seasons) d) Change in farm/property income e) Impact on suppliers from changed purchasing needs (e.g., dairy equipment, animal feed) f) Impact on product purchasers (e.g. meat and dairy processors) g) Impact on labor (farm workers, suppliers, processors, and services) 	TASK 33		X	An overview of impacts on agricultural economics is included in scope. Social impacts are not being evaluated in the EIR/EIS.

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83	AH2	Brenda Adelman, (L) Cont'd.	Who will be responsible for the irrigation wastewater at each stage of the agricultural reuse process and how will it be regulated? Provide information about the following relevant to these concerns: a) Summarize the legal statutes governing the use of effluent for irrigation b) Describe the liabilities and possible penalties to the City and each farmer if drainage or over-irrigation results in discharges to receiving waters c) List agencies responsible for oversight and/or permitting of storage reservoirs, irrigation systems, drainage discharges, and groundwater monitoring.	TASKs 10 and 18	TASK 18		The Irrigation Management Plan will address the agricultural use of reclaimed water for future irrigation. The permitting report will discuss the responsible agencies for the project components.

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83	AI	Brenda Adelman, (L) Cont'd.	<p>Provide information about the following concerns pertinent to wetlands creation:</p> <ul style="list-style-type: none"> a) What are the design criteria for the wetlands (e.g., restoration of natural habitat; maximize evaporation in summer; minimize nitrogen or phosphorus concentrations in the effluent in winter)? b) How many years will be required to attain stable operation of the constructed wetlands? c) What seasonal changes in performance are expected? How will accumulations in and releases from the sediment affect performance? d) Will harvesting of algae or other plants be required, and how will it effect wildlife attracted to the area? Will there be a need to change water levels in the ponds, and will its timing (e.g., highest in summer) affect wildlife? e) Will chlorination/dechlorination be required before and/or after the wetlands, and how will this effect: <ul style="list-style-type: none"> (a) performance of the wetlands; and 			X	Wetlands creation was eliminated as a study component by the BPU.

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83	AJ1	Brenda Adelman, (L) Cont'd.	Will the analyses of bioaccumulation impacts in the EIR/EIS address the following concerns: a) How will long-term chronic impacts of non-detectable concentrations of toxics be evaluated from State Mussel Watch Program (SMWP) and Toxic Substances Monitoring Program (TSMP) data? How will the applicability and validity of the data be evaluated? SMWP and TSMP search only for detectable concentrations in the tissue, and do not look for other signs of stress; in addition, sampling is too infrequent at any given site.	TASK 34		X	Bioaccumulation analysis in scope. If concentrations are not detectable, then their impacts cannot be assessed.
83	AJ2		b) Will other methods (besides a review of TSMP and SMWP results) be used to evaluate potential bioaccumulation? For example, in the South SF Bay, a 20-year USGS survey of clam-shell diameters showed a declining trend long before silver was detected in their tissue.			X	Lengthy longitudinal studies are beyond the scope of this EIR/EIS.

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84	A	Marci & Don Camacho (L)	Analyze the benefits of water conservation including the cost comparison of replacing conventional toilets versus the cost of subsidizing irrigation.	TASK 29		X	The overall scope for the water conservation element includes a description of current conservation programs and the estimated reduction achieved at the full implementation level (e.g., toilet, showerhead, faucet aerator replacement), what could be done in addition to these existing programs by employing proven technology (e.g., programs consistent with Best Management Practices published by California Urban Water Conservation Council), and what can be done by considering new technologies (e.g., waterless urinals, replacing inefficient appliances, etc.). Cost-effectiveness evaluations will be conducted for each measure of conservation, as well as the amount of wastewater saved. A direct cost-comparison between replacing conventional toilets and subsidizing irrigation will not be completed.
84	B1		How will the public be informed of water quality monitoring results?	NA	NA	NA	See response to comment 79 B1.

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84	B2	Marci & Don Camacho (L), Cont'd.	Provide information on all chemicals, toxins, nutrients and by-products that will be tested in the treated and untreated wastewater. How can I find out how the City of Santa Rosa plans to identify, neutralize and remove toxins and heavy metals from the wastewater so that I, as a layman, can understand it?	TASK 21			See responses to comments 79 B1 and 79 B2.
84	B3		Will the water quality monitoring system prevent overchlorinated or otherwise harmful wastewater from getting into the environment?	TASK 31			See response to comment 79 B3.
84	B4		Since monitoring is considered a mitigation, will the City set up a committee of the public to have input in the mitigation and monitoring methods and in the long term monitoring studies?			X	Monitoring is not considered a mitigation measure. However, a Mitigation Monitoring program will be included in the EIR/EIS. The public will have the opportunity to comment on this program during the circulation of the DEIR/DEIS.
84	B5		Why is additional or a higher level of wastewater treatment considered a mitigation measure?	NA	NA	NA	Additional treatment is considered mitigation if it removes substances that would otherwise cause adverse environmental effects.
84	B6		Can you raise the standards used by the North Coast Regional Water Quality Control Board?	NA	NA	NA	Only the RWQCB can change their standards. The City could choose to implement a project that is better than the standards.

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84	B7	Marci & Don Camacho (L), Cont'd.	What are the short-term and long-term accumulation rates and lengths of time for saturation levels of heavy metals in the soils? Is it really economically feasible to remove the saturated soils every 20-40 years?	TASK 18			In scope. The EIR/EIS will evaluate the impact on soils from irrigation with reclaimed water.
84	B8		What studies will be conducted of the copper problem which may occur when discharge reaches brackish or salt water?	TASK 21			See responses to comments 44 S and 44 X7.
84	B9		In regards to water quality, what studies will be done on sulfates, estrogen, ammonia converting to nitrates, sodium, chemical infiltration by people dumping toxic wastes into the system, chlorine and chlorine mimicking estrogen?	TASKs 21, 32 and 34			In scope.
84	C		What long-term studies will be undertaken for crop absorption and containment of toxic contaminants?	TASK 18			See response to comment 41 C
84	D		What will be the impact of the increased mosquito problem (which could result from a reservoir)? How will this problem be dealt with?	TASK 39			A discussion of the potential impacts of mosquitoes will be provided.

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84	E	Marci & Don Camacho, (L) Cont'd.	Will there be monitoring wells and surface runoff sites to supplement the sites monitored by the City of Santa Rosa? This is needed because of the level of distrust that we have about the City of Santa Rosa, especially since we found out about a non- published fish kill which makes us wonder what other facts the City is withholding from the public.	TASK 30 NA	NA	NA	In scope. See response to 84 B4. The fish kill incident to which you are referring occurred at Delta Pond in the spring of 1993. The City, in trying to pinpoint the cause of the incident and obtain answers to all the questions which would need to be resolved, delayed in disclosing the incident publicly. This may have created the perception that the City did not intend to report it at all.
84	F		What will be the projected routes for the pipelines and or facilities needed for storage, reuse or discharge? A map of these routes would be helpful.	TASK 31			See response to comment 79 C.
84	G		Will the project increase the flood potential by reducing the irrigated field's absorption of rain, thereby increasing runoff?	TASK 38			In scope. See response to comment 57, Table 1.
84	H		What impact will this project have on the Farallones National Marine Sanctuary?	TASKs 19, 20 and 21			See responses to comments 2 J and 74 A.
84	I1		What long term studies will be done to determine the effect of the ocean spreading pollutants over a wide area?	TASKs 20 and 21		X	See response to comments 74 A and 79 F2.

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84	I2	Marci & Don Camacho (L), Cont'd.	What long-term studies will be done to determine the effect and amount of bioaccumulation of noxious materials over time? What exactly will be studied? Does this include dissolved nutrients, dissolved toxins and suspended particles?	TASK 34			Bioaccumulation studies are included in the scope.
84	I3		What long-term studies will be done to determine the effect and amount of biomagnification of toxins that are passed along the food chain and accumulate in progressively higher concentrations?			X	See response to comment 79 G.
84	I4		How will reuse or discharge affect the short-term and long-term functioning of streams, rivers, estuaries and ocean?	TASK 21			In Scope.
84	J		What is the cost comparison between private residential sewage systems versus the Subregional System for a household? This would include the cost of the land for locating the residential system.			X	See response to comment 55, Table 1. A cost comparison would not be useful in analyzing economic impacts of the project, since installing private residential sewage systems within the City is not a feasible option. The Subregional System is already in place and operating, and septic systems are not practical for use on a large scale such as in urban areas.
84	K		What exactly are the products included in the term "disinfection byproducts"? What is the original product? Is this chlorine?	NA	NA	NA	The term refers to halogenated hydrocarbons that are created in the treatment plant when organic carbon compounds are exposed to chlorine and other halogens.

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84	L	Marci & Don Camacho (L), Cont'd.	Are crops grown for human consumption allowed to be irrigated with wastewater?	NA	NA	NA	Yes. The types of crops that can be legally irrigated with treated wastewater depend on the quality of the water. Because Santa Rosa treats its wastewater to a very high level (tertiary), the water meets all State and Federal requirements for unrestricted use and can, therefore, be used safely on all crops.
84	M		If the scenic corridors, views and recreational opportunities are disrupted by this project, then how can the property values not be affected by this project?	TASKs 33 and 37			Effects on views and scenic corridors will be evaluated under the present scope of work. The alternatives' potential effect on property values will be addressed in the economic studies.
84	N		Can you explain the conflict by reading 1.2 discussions and then comparing with 1.5 and 1.6? Isn't soil erosion considered soil disruption? Isn't deposition of sediment considered soil disruption? If the dam failed, what provisions of safety are you providing for people, animals and the land?	TASKs 38 and 39			Soil disruption encompasses the more specific terminology of soil erosion and deposition. As indicated in the Initial Study checklist, dam construction results in unavoidable soil disruption. Erosion and sedimentation are also a concern, but can be mitigated by appropriate measures during construction. The information provided in the checklist is consistent with this. Public health and safety with respect to dam failure will be evaluated in the EIR/EIS.
84	O		What would be the land use impacts of "City" water replacing contaminated well water?	TASKs 37 and 39			In scope. If provision of potable water is proposed as mitigation, this would not be a land use issue, but could support buildout pursuant to the County General Plan and zoning. Issues such as traffic will be analyzed in the EIR/EIS to address this concern.

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84	P1	Marci & Don Camacho (L), Cont'd.	What would the land use impacts be from the use of reclaimed water for agricultural irrigation?	TASKs 37 and 39			In scope.
84	P2		What would the land use impacts be from the use of Subregional System treated wastewater for agricultural irrigation?	TASK 39		X	We will not conduct the type of analysis that would be necessary to assess the impact agricultural irrigation with reclaimed water might have on population and land use zoning. The analysis included in the scope will be based on the existing General Plan designations set forth by each jurisdiction. There will be no assumptions regarding changes in zoning. The growth inducing section of the EIR/EIS will address the likely impacts of population and employment growth over the limits defined by each jurisdiction's General Plan.
84	P3		Will specific references to the studies/data used to answer these questions be provided?	TASK 39			Specific references to the studies/data used in the EIR/EIS will be cited at the end of every section. Exhibits will also be available which will include all of the technical memoranda being prepared for this project.
84	P4 P5		Will the City pay for an appraisal of our house to set a baseline for value; and for water quality testing of our well before project implementation to set a baseline for water quality?	TASK 33		X	The appraisal of individual houses is not part of the economic analysis. The evaluation will analyze impacts on an aggregate basis. If well water is potentially impacted and baseline water quality data are needed, the City will be responsible for the costs of needed tests.

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84	Q	Marci & Don Camacho (L), Cont'd.	The fact that Long-Term Project decisions, which could affect people in West County, are made by the Santa Rosa City Council and BPU, whose members are not subject to election by West County residents, is a continuing source of concern for us.	NA	NA	NA	<p>This type of situation is common throughout the metropolitan areas of the U.S. Many urban population centers find that, because they do not have the necessary land, they must consider going outside their jurisdictions to solve some of their own problems. Conversely, many of the nearby rural areas depend upon the neighboring urban centers as markets for their products. This increasing interdependence of rural and urban areas and the realization that most community problems today are regional can stimulate conflict or cooperation. We hope we can promote the latter.</p> <p>One of the functions of the public participation program for the Long-Term Project EIR/EIS is to give all stakeholders, whether they live in Santa Rosa or not, an equal voice in what we study and how we study it. While you may not always obtain everything you want in this study, we can assure you that your views and concerns carry as much weight in the decisions we must make as those presented by Santa Rosa residents.</p>
84	R1		Will interrupting the natural cycle of seasonal water levels with effluent (tertiary treated or better) endanger the eco system?	TASKs 18, 20 & 21			In scope.

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84	R2	Marci & Don Camacho (L), Cont'd.	Will all wastewater be tertiary treated or treated at the optimum current technology that is used for irrigation, stored in dams, piped, occupies wetlands, or otherwise addressed in Santa Rosa's disposal plans?	X			The EIR/EIS is premised on the System's providing and continuing to provide tertiary treatment to the wastewater.
84	R3		Is some provision made to clean groundwater, wetlands, and waterways of residual toxics, estrogens, carcinogenic elements and compounds?	TASKs 20, 21, 32, 34			The scope includes an analysis of existing conditions to identify the presence of toxic compounds. The need to include remedial action will be evaluated.
84	S4 S5 S6		Will Santa Rosa be responsible for mosquito control on waterways? Do drinking water supply intakes include individual ranch wells? Is it possible to have only household wastewater used in this proposed system for storage, irrigation, and wetlands?	TASK 39		X X	A discussion of potential impacts from mosquitoes will be provided. Potential pathways of exposure, other than drinking 100% reclaimed water and Russian River water are not in scope. Ranch wells will not be analyzed as a drinking water supply intake source. The treatment of wastewater occurs at the wastewater treatment plant. Separating wastewater by sources is not being analyzed.
84	T		Would ranchers be forced to irrigate if they were located in an area designated by the Project for irrigation? Would natural grazing land be removed from the use of wild animals?	TASK 19			Irrigation using reclaimed water is voluntary. However, it is possible that some previously non-agricultural land will be converted to agricultural uses with the availability of irrigated water. These lands could become less attractive to some wild animals.

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84	U	Marci & Don Camacho (L), Cont'd.	Would a baseline study for a period of at least one year be developed as part of the EIR/EIS to understand current climate, wild animal and bird migration needs, and fish nursery uses of the natural environment in the Esteros?			X	Time frames for baseline biotic studies have been determined in consultation with the U.S. Fish & Wildlife Service and California Dept. of Fish and Game. Some studies have been ongoing for several years, while others are of shorter duration.
84	V		Evaluate the impacts to archeological elements in the Esteros from potential Project facilities.	TASK 36			Currently all archeological resources to be affected by the reservoirs, irrigation, or pipelines, will be addressed by field and/ or archival studies.
84	W		Will the computer simulation model be sufficiently sophisticated to evaluate earthquake risk, heavy rain, drought, leaching groundwater, cave-ins or erosion?	TASK 35		X	Geotechnical Studies will not be using a computer simulated model to provide evaluation of earthquakes, heavy rain, draught, leaching groundwater cave-ins or erosion. Task 35 outlines the proposed method of geotechnical study for the proposed reservoir sites.
84	X		Will the unique character and functions of each wetland area be taken into consideration in the EIR/EIS?	TASK 18			Yes. In scope.
84	Y		Will the City and its consultant team respect the privacy and private ownership rights of owners whose property is designated for study, and will the study teams be fully insured by Santa Rosa for all possible injury.	NA	NA	NA	Property owners will be contacted and asked permission for access. For reservoir sites, where permission was not granted, the City obtained access through a court order. Consultants are insured for site access.

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84	Z1	Marci & Don Camacho (L), Cont'd.	Will collection of data and samples reflect conditions before and after rainstorms, discharges from creeks and long-term climatic conditions including the recent 7-year drought?	TASK 30			In scope.
84	Z2		Will the lower-than-normal water table be taken into consideration in the studies of land absorption/use?	TASK 30			Groundwater monitoring is included in the scope. Available historical data will also be included in the evaluation.
84	Z3		Will the lower-than-normal water table be considered in the studies of how far the groundwater containing effluent travels and how much land would be impacted by groundwater containing effluent?	TASKs 18, 20 and 21			See response to comment 2 I.
84	AA		Does a landowner have the right to refuse excavation, construction, trailacross, or recreational implementation on his property? If any of the above are involved, will provision to post signs, fence and otherwise protect private property be assumed and provided/installed by the City of Santa Rosa?	NA	NA	NA	A landowner can refuse any action requested by the City. However, the City of Santa Rosa has the right to utilize eminent domain. Recreational uses are not proposed for the proposed reservoir sites.
84	AB		Will it be possible to maintain the present ecosystem in the Esteros area in its natural state if wastewater facilities, particularly man-made wetlands, are established?	TASKs 18, 19, 20 and 21			In scope. The impacts to Esteros area are being evaluated. Created wetlands have been dropped as a project component.

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84	AC	Marci & Don Camacho (L), Cont'd.	Will Subregional System customers be required to use strong conservation measures such as gray water, composting toilets, etc. especially if property owners in potential facilities siting areas are expected to bear hardships.	TASK 29			Conservation measures may be required in the Subregional System, and are a component of every alternative to be studied. See responses to comments 63 I and 79 A.
84	AD, AE		If irrigation wastewater runoff were to exceed established water quality standards and change the environment of the Esteros, would Santa Rosa be financially responsible to remedy the situation and/or cease agricultural irrigation with its treated wastewater? Evaluate the impact of treated wastewater irrigation runoff on dungeness crab nurseries found in the Esteros, especially the effluent's contribution to the presence of toxins in these crabs.	TASKs 18, 20 and 21			See response to comment 2 I.
84	AF		Evaluate the potential for the proposed West County Alternative and components to introduce wildlife species which could be predators to present plant and animal life there.	TASK 19			In scope.

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85	A1	Ann Maurice, Ad Hoc Committee on Clean Water (L)	Evaluate the contribution of population growth within the Subregional System and the waste generated by this growing population to the System's wastewater problem.	TASK 33			Evaluation of growth through general plans' buildout projections is included in scope.

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85	A2 A3	Ann Maurice (L), Cont'd.	Study all options for reducing the amount of waste to be managed including improved pre-treatment, use of composting toilets, etc. Give high priority to studying conventional and innovative methods of water conservation as a way to reduce the amount of wastewater to be managed.	TASK 29		X	The overall scope for the water conservation element includes a description of current conservation programs and the estimated reduction achieved at the full implementation level (e.g., toilet, showerhead, faucet aerator replacement), what could be done in addition to these existing programs by employing proven technology (e.g., programs consistent with Best Management Practices - published by California Urban Water Conservation Council), and what can be done by considering new technologies (e.g., waterless urinals, replacing inefficient appliances, etc.). Cost-effectiveness evaluations will be conducted for each measure of conservation, as well as the amount of wastewater saved. However, wastewater flow reduction measures such as greywater systems and composting and incinerating toilets, were eliminated from this study by the BPU due to public health concerns, and concerns over the inability to guarantee the long-term operational reliability of these systems with changing ownership. However, to stay aware of new opportunities, conservation and new technology ideas will be continually evaluated and the results reported to the BPU. See also response to comment 63 I.

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85	B	Ann Maurice (L), Cont'd.	Evaluate the cumulative impact of the infiltration/inflow of rainwater into the system's current and future sewer lines on the natural groundwater recharge process.	TASK 31			Pipeline infiltration and inflow (I/I) is real for partially full gravity sewer pipelines with leaky joints. However, the proposed project pipelines to deliver treated wastewater from the plant to storage, or from storage to reuse areas, will be pressurized (not gravity) pipelines, flowing full, and will not have manhole or similar openings. Therefore, they will not allow outside groundwater to leak into the pipes. Therefore, the proposed transport and distribution pipelines will have minimal, if any, impact on the natural recharge of the aquifer.

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85	C	Ann Maurice (L), Cont'd.	Emphasize the analysis of the potential adverse impacts of chlorine as a wastewater disinfection agent. Evaluate the cost and value of dechlorinating the effluent year-round. The commenter submitted the following articles to support her concerns about the potential impacts from chlorine: (1) a 2-17-95 release from the Chlorine Chemistry Council outlining the ways chlorine is used in everyday life; (2) a 10-28-93 release from the American Public Health Association outlining the 30,000-member organization's resolution that chlorine-containing organic compounds should be subject to a broad phase-out due to their potential health risks; and (3) a National Resource Defense Council report on drinking water, "Think Before You Drink."	TASK 32		X	We include in our scope provision to look at waste reduction strategies as appropriate. Alternative treatment strategies are not being evaluated. The City of Santa Rosa is currently considering, outside of this EIR/EIS, UV (ultraviolet) disinfection in the treatment plant. However, a comparison of chlorination to UV is not in the scope for the EIR/EIS.
85	D		Consider the elimination of "electrofishing" as a technique to monitor the status of fish populations for the study.	TASK 14			Electro-fishing is not being used in migratory fish studies. See response to comment 11 in Table 1.

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85	E	Ann Maurice, (L) Cont'd.	Because past studies of wastewater impacts on Kelly Pond Demonstration Wetland (KPDW) were inconclusive due to flawed methodology, will a more thorough analysis be performed for this EIR/EIS? Will chlorine-related impacts on KPDW wildlife be analyzed so that information on how chlorine and its compounds move through the wetland system are understood?			X	Kelly Demonstration Wetland is a wetland created for the purpose of wastewater polishing. Creative wetlands were eliminated as a component of the Long-Term Project. Wildlife utilization studies at Kelly Pond are not applicable to the impact analyses of the Long-Term Project alternatives.
85	F		Please provide raw data in the EIR/EIS in addition to summary conclusions about fish movement through the Laguna. Because some conclusions in past studies on fish migration were not necessarily supported by the data, it will be important to have the raw data available to review for this EIR/EIS.			X	The information will be included in exhibits supplementing the EIR/EIS which will be available at the Laguna Library and City offices during circulation of the Draft EIR/EIS.
85	G1		Integrate the analysis of alternative technologies and their application to the study alternatives into the EIR/EIS.			X	The evaluation of alternative technologies is not in scope. The Board of Public Utilities has a committee designated to review new technologies in water conservation and wastewater flow reduction. As that committee develops findings, the City of Santa Rosa determines if and how to implement them. This EIR/EIS is evaluating 5 alternatives selected through an intensive screening process for wastewater disposal.

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85	G2	Ann Maurice, (L) Cont'd.	I am concerned about the risks of aquifer injection as a component which could be matched with any of the studied alternatives. If the risks of discharging treated wastewater into a drinking water supply like the Russian River's is a concern, deliberately putting it into an aquifer which could contaminate wells is of equal or greater concern. How did aquifer injection become one of the EIR/EIS components to be studied?	TASKs 18, 19, 20 and 21			<p>Hazards associated with accidents, equipment malfunctions, etc. in connection with ASR will be evaluated.</p> <p>A prequalifying study to assess the migration patterns of water injected into the aquifer will be done to determine where the injected water would go. Subsequent studies, more detailed in scope, would be conducted as part of the EIR/EIS, depending on the results of the initial evaluation.</p> <p>Aquifer injection was a component of the Community Separator Plan which was an alternative nominated for study by members of the public at the Scoping Phase Public Workshops held between September, 1993 and May, 1994. Based on screening level analysis which followed, the BPU eliminated the created wetlands component from the Community Separator because of the lack of suitable land, but retained the aquifer injection component of the Plan for further study because aquifer injection and recovery had shown promise in other communities.</p>

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85	G3	Ann Maurice, (L) Cont'd.	In evaluating each alternative, please consider the relative "risk of the unknown" and how it could affect the analyses of potential impacts.			X	The "risk of the unknown" is not part of the analyses in an EIR/EIS. NEPA requires the disclosure of the full range of impacts for each of the alternatives being evaluated. In determining the full range of impacts, methodologies are being used that can perform an accurate analysis and adequate discussion of alternatives. When the probability of the impact occurring, the severity of possible impacts, and the means to obtain it are not known or exorbitantly expensive, we will make it clear that such information is lacking or that uncertainty exists (e.g. estrogenic effects). In the EIR/EIS, we will fully disclose the potential impacts that are to be reasonably expected for each alternative. The project team is using standards established by Federal, State and Local agencies. Other standards being used fall within parameters acceptable to the various professional disciplines of the members of the consultant project team.
85	G4		An alternative to defecating into fresh water and the complex infrastructure and bureaucracy which support it must be found. Stay open minded to alternative solutions. A copy of "Act Locally, Impact Globally" from the <u>Sonoma County E.I.R. Reporter</u> was submitted in support of this view.	NA	NA	X	Article noted and added to the Laguna Library. Alternative collection systems are not included in the EIR/EIS scope.

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85	H	Ann Maurice, (L) Cont'd.	The commenter has submitted a news release from Chlorine Chemistry Council describing how widespread the use of chlorine is in everyday life.		TASKs 32 and 39		This information will be used in the analysis.
85	I		Commenter is concerned about the accidental overflows of treated effluent from sprayfields receiving effluent where the chlorine residual may be too high. The result, according to a letter to the State Department of Water Resources from the Urban Streams Restoration Program, is that during wet weather, chlorine, at a toxic level, may be running off the sprayfields into the Laguna.	TASK 18	TASKs 32 and 39		The Laguna de Santa Rosa's current planning objectives include the requirement that "No discharge of treated or untreated effluent be permitted to enter the waters of Santa Rosa Creek or the Laguna unless it is free of bacterial contamination by human fecal organisms and free of residual chlorine." This current requirement will be taken into consideration in the analysis of irrigation impacts in the EIR/EIS.
85	J		To minimize non-point source pollution to Santa Rosa Creek and the Laguna, evaluate the effects of including a depressed floodway with constructed wetland fringes along these creek corridors.	NA	NA	NA	The commenter provides a mitigation measure for non-point source pollution. This suggestion has been passed on to the appropriate member of the consultant team for consideration later in the study when mitigation measures are reviewed.
85	K-O		To correct non-point source pollution to Santa Rosa Creek and the Laguna, also consider managing the vegetation in the adjacent, depressed floodway to be consistent with conveyance capacity of the runoff for those locales.	NA	NA	NA	See 85 J.

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85	P	Ann Maurice, (L) Cont'd.	Evaluate the expansion of riparian vegetation along Santa Rosa Creek and the Laguna as a way to contribute to the protection of water quality from thermal, nutrient or sediment pollution.	NA	NA	NA	See 85 J.
85	Q		To protect riparian areas from foraging livestock, develop a vegetation management program which manages livestock to support intact riparian corridors along the Laguna and Santa Rosa Creek.	NA	NA	NA	See 85 J.
85	R		Design flood control channels along the Laguna and Santa Rosa Creek to minimize excavation of trapped sediment directly from the waterway. This will minimize the adverse water quality impacts which result from channel excavation.	NA	NA	NA	See 85 J.
85	S		Water diversion on the Russian and Eel Rivers and irrigation runoff from suburban areas may be feeding tributaries which flow into the Laguna during the low summer flow period. Regrettably, the resulting water quality does not appear sufficient to sustain aquatic life.	NA	NA	NA	Comment noted.

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85	T	Ann Maurice, (L) Cont'd.	The commenter has submitted a 10-28-93 news release from the American Public Health Association outlining the 30,000-member organization's resolution that chlorine-containing organic compounds should be subject to a broad phase-out due to their potential health risks.		TASKs 32 and 39		This information will be used in the analysis.
85	U		No specific comment appears with the submission of a Sept./Oct. 1992 article from <u>Solar Today</u> about a relatively inexpensive, energy efficient wastewater treatment technology, Advanced Integrated Wastewater Pond Systems (AIWPS), which is discussed as an alternative to technically complex and expensive conventional wastewater treatment facilities.			X	This suggested pond system relates to the treatment of wastewater. The long-term project deals only with disposal of wastewater after treatment. The suggested pond treatment system is viable, but would require considerably more land area than the existing Laguna treatment plant. The City already has a substantial financial commitment to paying for, expanding, and maintaining the existing treatment plant. Replacement of the plant with the suggested pond system would impose substantial additional cost on the users and would still not address the disposal of the wastewater following treatment.

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85	V	Ann Maurice (L) Cont'd.	An alternative to defecating into fresh water and the complex infrastructure and bureaucracy which supports it must be found. Stay open minded to alternative solutions. A copy of "Act Locally, Impact Globally" from the <u>Sonoma County E.I.R. Reporter</u> was submitted by the commenter in support of this view.	NA	NA	X	See 85 G4.
86	A1	Vicki Reynolds, (L)	The criteria which will be used to determine which sites would be considered for wetlands creation need to be described and prioritized in the final scope of work.			X	Wetlands creation has been eliminated by the BPU as a component to be studied.
86	A2		Are anticipated habitat losses related to the overall project, or to impacts associated with wetlands creation, or to some other currently unidentified impacts? What kind of wetland enhancements are being considered? What would the necessary information be which would determine wetlands enhancement vs. wetlands creation sites?	TASKs 18, 19 and 20		X	Wetlands creation has been eliminated as a component to be studied. Habitat loss in relation to other components is being evaluated in the scope of work.
86	A3		Do the number of acres of wetlands which would be created relate to project impacts or to the project's wastewater disposal needs?			X	Wetlands Creation has been dropped from further consideration by the Board of Public Utilities. However, wetlands creation may be considered for mitigation from project impacts.

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87	A	Clifford Ostrem, (L)	Transport the treated wastewater by Southern Pacific pipeline to San Pablo Bay for disposal.			X	Bay discharge was considered and dropped from further consideration due to potential regulatory obstacles affecting San Pablo Bay.
88	A1	Betty Guggolz, California Native Plant Society, (L)	The project scope makes the potential for significant impacts to plant life very high. The lack of specific information about facility site location makes it difficult to determine impact significance for each alternative.	TASK 31			The EIR/EIS will provide a project description that will identify the project facilities.
88	A2		Evaluate the potential effects of the South County Alternative (Alternative No. 2) on tidal marshes in the lower reaches of Adobe Creek, the Petaluma River and the Petaluma Salt Marsh and on resident endangered species there including but not limited to the Salt Marsh Harvest Mouse as well as sensitive plant species found there.		TASK 19		The scope of work has been revised to include the evaluation of special status species in tidal marshes associated with Bay Flats irrigation.
88	A3		The Community Separator Alternative (Alternative No. 3) should avoid potential impacts to Blucher Creek and Cunningham Marsh and the special status plant species found there.			X	The Community Separator Alternative (formerly Alt. No. 3) is no longer an option to be studied in the EIR/EIS. The BPU dropped it from consideration, because suitable acreage for wetlands creation in the Santa Rosa plain was not available. The Aquifer Storage and Recovery (ASR) component of the Community Separator Alternative has been retained for study, however.

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88	A4	Betty Guggolz, (L) Cont'd.	The West County Reclamation Alternative (Alternative No. 4) has the potential to convert seasonal wetlands into agricultural use. Therefore, analyze the potential impacts to Blucher Creek, wetlands in Chileno Valley, the Estero Americano, Stemple Creek, San Antonio Creek and the Estero de San Antonio and the special status species found there. Also, evaluate impacts to plant communities on the Button Ranch, including the only remaining woodland plant community remaining in the Petaluma Gap. Also, conversion of rangeland to irrigated croplands could impact historical location sites for various listed plant species.	TASK 19			See response to comment 48 in Table 1.

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88	A5	Betty Guggolz, (L) Cont'd.	Several of the Geothermal units at the Geysers are located on serpentine soils, a unique soil type that supports a variety of rare plant species restricted to serpentine. Therefore, evaluate the potential effects of the Geysers Recharge Alternative (Alt. No. 5) on several Streptanthus plant species and subspecies found there as well as the Serpentine Reed Grass Calamagrostis ophiditis and Eriogonum nervulosum, and the Geysers Panicum, Dichanthelium lanuginosum var. thermale.	TASK 19			In scope.
88	A6		Reference, in the EIR/EIS, similar water injection-steam energy recovery projects that have been implemented in other areas. If human safety and pollution are found to be insignificant factors for this alternative, and people can be reassured by the experiences of similar projects in other places, then the Geyser's may prove to be the most viable of the studied alternatives.		TASK 35		Geysers injection is being evaluated equally with the other alternatives being considered. Experts with Geysers injections are reviewing the potential impacts of injection into the Geysers. A literature review was conducted to consider the experience of similar projects.

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88	A7	Betty Guggolz, (L) Cont'd.	Discharge Alternative 3G, a variation on the Ocean Outfall Alternative, is shown as discharging into the ocean near the mouth of the Russian River. This alternative may have the potential to impact rare plant species. Other listed plant species occur in the general area of ocean discharge. The pipeline route indicated in the screening report has the potential to impact endangered plant species that occur in several areas in the Sebastopol, Camp Meeker and Duncans Mills quadrangles. Areas north and south of the Russian River are known Spotted Owl and Osprey territory.			X	The Ocean Outfall Alternative was dropped from consideration in the environmental study.
88	A8		Provide a comparative analysis of the potential for loss of vegetation diversity for each project alternative.	TASK 19			In scope.
88	A9		Include a projection of the future population growth which could result from each of the alternatives. The conversion of large agricultural holdings to smaller parcels, and the subsequent conversion of rural residential lands to urban development has been the typical scenario in Sonoma County in the recent past.	TASK 33		X	The project has been designed to meet the growth projections of the member cities' general plans. The EIR/EIS will not evaluate the potential effects of the possible conversion of large holdings to smaller parcels which may result from future general plan modifications.

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88	A 10	Betty Guggolz, (L) Cont'd.	We encourage the environmental consultants to call upon local biological resource organizations such as the Audubon Society and California Native Plant Society to provide documented resource data for the EIR/EIS.	NA	NA	NA	The consultants have been and will be in contact with the local resource groups.
89	A	Nadine Beck, (L)	The Initial Study for the West County Reclamation Alternative in reference to the likelihood of project impacts from earthquakes shows a "Maybe" and "No" assessment. The proposed S-20 reservoir site is directly over the Bloomfield Fault. I am concerned that proposed reservoir sites S-40, S-53 and S-56 are also on this fault and that if an earthquake occurred there, insurmountable damage could result.	TASK 35	TASK 38		The potential impacts to proposed reservoirs and the surrounding area from possible seismic activity associated with this fault will be evaluated in the EIR/EIS. In addition, a dam break inundation analysis has been added to the scope to determine the approximate depth of downstream flooding which would result as well as the approximate limits of inundation.

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89	B	Nadine Beck, (L) Cont'd.	The Geysers Recharge Alternative appears to be the most advantageous for the following reasons: <ol style="list-style-type: none"> 1. The Geysers need water and are willing to pay the costs to transport it there 2. Lower Russian River resident would find this alternative acceptable because discharge to the River would not exceed the current 1%/5% regime 3. Choosing the Geysers will allow ample time to fully implement innovative water conservation measures and other components now being considered. 	NA	NA	NA	No change in the scope as a result of this comment which supports Geysers Recharge (Alt. No. 4).
90	A	Leon Beck, (L)	The draft scope of work makes no reference to the recent earthquake survey ditches which showed movement and fractures in the area of the T-5 damsite.	TASK 35			In scope.
90	BI		Why are studies conducted by geologists and hydrologists hired by Joe Tresch not referenced in the draft workscope?	TASK 35			In scope. These reports have been reviewed by the environmental consultant's geologist and hydrologist.

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90	B2	Leon Beck (L) Cont'd.	Are you aware that if the current Study Team bases its conclusions on prior studies already proven to be inadequate that those conclusions will be suspect or flawed?	X			The scope of work includes a review of prior studies, it also includes independent field studies and analysis to supplement the previous work where needed.
90	B3		If all the documents listed in chapter 2, p. 11 of the Preliminary Scoping Report have been published, why haven't we been notified so we can review them?	NA	NA	NA	When documents are available for public comment, the public has been notified by mail. Any technical memoranda produced are officially released to the BPU. The Laguna Wastewater Treatment Plant has a complete library of all these documents available for public review.
90	B4		What will you do to provide us with the 1993-94 information listed we have not seen?	NA	NA	NA	The information is available at the Laguna Treatment Plant Library.
90	C1		How will we be notified about the meetings and information we'll need to help develop study issues, criteria, impacts?	NA	NA	NA	The City of Santa Rosa is also developing a public participation process for the EIR/EIS study. You will be notified by mail, newsletter and possibly in your local newspaper about all opportunities for public involvement in the development of the EIR/EIS.
90	C2		Will you make sure that we are notified about opportunities to review the environmental studies, both during the data gathering and presentation of results.	NA	NA	NA	The public participation program will allow for public input during initial impact evaluation. You will also have the opportunity to comment orally and in writing when the EIR/EIS reaches the draft stage. You will be notified by mail, newspaper ad or newsletter prior to these events.

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90	C3	Leon Beck, (L) Cont'd.	Has the public outreach process been changed, so we do not again receive study results in the mail with inadequate time to review and comment on it?	NA	NA	NA	The scoping period was extended and further refined. The Draft EIR/EIS will be available for comment during its circulation period. You are probably referring to the delay you experienced in receiving the Screening Summary Report prior to the Round 3 Public Workshops in the spring of 1994. An error by the direct mail company resulted in their using too small a data base. As a result, some information packages did not arrive in the mail on time. However, since that incident, we have not changed the outreach and notification system. The delay was the result of human error, not a defect in the system. While the late mailing was regrettable, no one can eliminate human error entirely. The quality control and follow-up procedures built into the system enabled the City to realize before too long that part of the mailing had never been sent. We will increase our follow-up and quality control procedures in the future to monitor for human error rather than scrap the system.
90	C4		Page 7 of chapter 4 of the Preliminary Scoping Report (PSR) lists TASK 3 as "Review Existing Documents (Completed)." Text in reference to TASK 4 ("Analyze Results of Ongoing Studies") states that this task is incorporated in TASK 3. Does this mean that you have completed your analysis of all your ongoing studies already?	NA	NA	NA	Studies will include continuous reference to existing documents. The ongoing studies referred to are those being conducted by others which may be relevant to the preparation of the EIR/EIS. These ongoing studies are <u>not</u> those to be prepared by the environmental consultant as a basis for the EIR/EIS.

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90	C5	Leon Beck, (L) Cont'd.	Page 8 of chapter 4 of the PSR shows TASK 5 with the following description: "Prepare Project Alternative Evaluation Criteria (Completed)." Yet, the second sentence under this task reads: "A set of project alternative evaluation criteria <u>will</u> be developed to accompany the project objectives." This is confusing. How can the evaluation criteria be said to be completed, if it's to be developed?	NA	NA	NA	A set of criteria has been developed in the Screening Report and in this Scoping Report. The criteria will continue to be refined in the preparation of the EIR/EIS.
90	D1		The PSR names only agencies. When is the public to be included in developing the criteria?	NA	NA	NA	There was public input on the criteria at the Round 1 and 3 Public Workshops in 9-93 and 4-94 and through the Technical Review Group comprised of a cross-section of interests. Additionally, this Preliminary Scoping Report made criteria available for comment.
90	D2		TASK 6 (Conduct Field Reconnaissance) is presented as "completed" in chapter 4, p. 8 of the PSR. If so, where is the report on the site visit results?	TASK 7	NA	NA	The results of Task 6 efforts were incorporated into the Screening Report. Task 7 has been changed to reflect that.

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90	D3	Leon Beck, (L) Cont'd.	TASKS 7-12 and 14-15 also present the same problems as noted in comment 90 D2 above.	NA	NA	NA	See response to comment 90 D2. The reports for Task 7 were placed in all the libraries in the Santa Rosa area in March 1993. There are review copies at the Laguna Wastewater Treatment Plant Library. Task 8 and Task 10 have been combined to provide a report that incorporates both reports. That is being published in August 1995. Tasks 9 and 12 were included in the Preliminary Scoping Report. The technical studies are not complete for Task 14 yet. There is no product for Task 15; as it was verbal review comments to the City on a related environmental document.
90	D4		On p. 22 in chapter 4 of the PSR the identifier for the "T-5" reservoir site was changed to "S20B" and the Bloomfield reservoir site to "S40B." Why was this done?	X			We have been in the process of unifying the labeling system. However, we are now using the actual names of the sites for easier identification.
90	D5		Will you look at analogous studies in other areas (e.g., on the Northridge and Loma Prieta Earthquakes) and apply their findings about easterly-westerly faults which run between major fault lines?	TASK 35			In scope. The geotechnical studies being conducted on the potential reservoir sites will determine the proximity of any faults and the ability of the geology of the area to withstand various levels of earthshaking, subsidence, compression, collapsibility, etc. As appropriate, the geologist will utilize reference materials that apply.

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90	E	Leon Beck, (L) Cont'd.	The hydrologic analysis for the Russian River which is proposed under TASK 22.1.4 in the PSR seems inadequate as a basis for analyzing the hydrology, water quality and groundwater impacts of the West County Reclamation Alternative.	TASKs 30 and 38	TASKs 30 and 38		Existing hydrology analyses provide information suitable for the impact analysis of the West County Alternative. The existing analysis will be updated to provide information from 1986 to date. Well log surveys, balance mass analysis, monitoring wells and a hydrologic model have been added to the scope.
90	F1		For the TASK 22 Stream Survey (in the Preliminary Scoping Report) how do you justify taking only two (2) samples of stream water during the fair weather period of spring and summer, 1994? Are the water quality parameters different? Are they different during other seasons?	TASKs 20 and 21	TASKs 20 and 21		All water quality scopes have been revised to address the issue of frequency. Also see response to comment 41 I.
90	F2		In the preliminary scope, West County streams and esteros are viewed as not being subject to direct flow augmentation. If this is true why would the West County reservoir have a spillway?	NA	NA	NA	The Division of Safety of Dams requires a spillway for a reservoir of this size. The purpose of the spillway is to account for any emergency situations. The environmental consultants are conducting downstream impact studies from the potential reservoirs. Flow augmentation specifically refers to discharging water into a stream for the purposes of enhancing habitat.
90	F3		The field surveys of flow augmentation stream water quality presented in the PSR seems inadequate because it omits severe parameters for study especially total metals.	TASK 21		X	Flow augmentation has been dropped from further consideration as a component. However, stream water quality for streams potentially impacted by irrigation or the reservoirs is being evaluated, including total metals.

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90	F4	Leon Beck (L), Cont'd.	Limiting your field survey of West County streams and esteros to five (5) samples seems inadequate for a sound study.	TASKs 20 and 21	TASKs 20 and 21		Water quality data for the Esteros has been collected from 1989-90 and additional data has been collected by others. This information will be used to prepare the analysis of stream and Esteros impacts. In addition, a qualitative modeling approach will be used to estimate the impacts of inflow (bar closed condition) on Estero hydraulics and water quality.
90	G		The proposed scope of work has a glaring omission --- no analysis of the potential effects of the treated wastewater discharge, whether direct or indirect, on Bodega Bay, the whole of Tomales Bay and the Cordelle Banks is proposed.	TASKs 19, 20 and 21			These tasks are evaluating the effects of wastewater discharge in the Esteros. Based on this information, the consultants will be able to determine if additional studies are required for Bodega Bay, Tomales Bay and the Cordelle Banks.
90	H		What constituents in the treated wastewater discharge could adversely affect species and humans that use Bodega and Tomales Bays and the surrounding coastal waters?	TASK 21			Flow augmentation has been dropped from further consideration as a component. However, water quality for streams potentially impacted by irrigation or the reservoirs is being evaluated, including total metals.
90	I J1		How would the potential impacts to filter feeders (oysters) and those who eat them be mitigated? How would toxic blooms of algae which could be caused by chemicals in the treated wastewater be mitigated?	TASKs 20 and 39			Comprehensive mitigations will not be developed until the potential impacts and their significance have been determined. Therefore, these questions will be answered in the Draft EIR/EIS.

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90	J2	Leon Beck, (L) Cont'd.	I disagree with the assessment in the Initial Study that the likelihood of the proposed West County Alternative's exposing people and property to hazards from earthquake-related dam failure is "Maybe." Water and weight over a fault line does change the geologic conditions. Review and consider the seismic reports on the T-5 reservoir site found in the University of California Natural Reserve Statement which state that the possibility for seismic failure are much greater.	TASK 35	TASK 35		The geological reports mentioned have been reviewed by the project geologist and will be taken into consideration in the seismic analysis for the West County Alternative.
90	J3		The mitigation statements proposed in the PSR are inadequate.				See the response to comment 90 I/J 1.
90	J4		Using "Maybe" as a preliminary impact-judgement for the Initial Study definitely puts people, animals and plants at a higher than acceptable risk.				Signifying "Maybe" on an Initial Study means that we were uncertain, based on the information available at that time, whether a given alternative could impact the environment adversely. Rather than putting the public at risk, "Maybe" tells the environmental consultants that they may need to study this aspect of the proposed project in depth during the EIR/EIS phase to obtain reliable conclusions about likely impacts.

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90	K	Leon Beck (L) Cont'd.	I challenge the conclusion in the Initial Study that proposed dams or reservoirs in West County are not located within the Alquist-Priolo Special Studies Zone. Many of the proposed reservoirs are on a known active fault. Therefore, wouldn't they be within this study zone?	TASKs 35 and 39			In scope. Each potential reservoir site will be evaluated for their placement within the Alquist-Priolo Special Studies Zone. The EIR/EIS will evaluate the impacts for each reservoir and potential earthshaking impacts. None of the faults near West County reservoir sites is active, thus, none are in Alquist-Priolo Special Studies Zone. West County faults show no evidence of any activity in the last 700,000 years.
90	L		The bottom of the valley in which reservoirs are proposed in West County consists of fill from erosion. Given that fact, how did the consultants reach a conclusion of "Maybe" in response to the Initial Study Checklist question which asks if any structure is proposed to be located on soils subject to liquefaction or other secondary seismic hazards in ground shaking.	TASKs 35 and 39			A more definitive answer will be provided in the geology/seismic hazards analysis and referenced in public health and safety section of the EIR/EIS.
90	M		There is evidence of land sliding and soils instability in the reservoir study areas of West County. The "Yes" boxes of the Initial Study for the West County Reclamation Alternative should have been checked rather than "Maybe" for these impacts of concern.	TASK 35			In scope.
90	N		All concerns related to air quality in the Initial Study should be checked "Yes" rather than "Maybe."	TASK 39			In scope.

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90	O	Leon Beck (L), Cont'd.	I would like to be able to comment further on these issues in the near future.				The public involvement program tentatively planned for the EIR/EIS preparation stage will enable you to comment on the adequacy of the preliminary study results. This program will likely begin in fall 1995. You will be notified by mail. Later on, you will have the opportunity to comment orally and in writing on the Draft EIR/EIS when it circulates for review.
91	A	Bob Anderson, United Winegrowers for Sonoma County, (L)	The United Winegrowers support the Regional System's first objective to maximize reuse and reclamation of this water resource. Since the ocean already has enough water, we see no reason to study the Ocean Outfall Alternative.			X	Ocean outfall has been dropped from further consideration, primarily for the same reasons you present.
91	B		If the Corps' concern derives from the loss of wetlands at reservoir sites, an alternative would be to design a series of stair-stepped wetlands into the upper sidewalls of the reservoirs. Though these would be subject to periods of inundation, the reservoir actually ends up being less than half full a good part of the time. Placement of the release point into the reservoir along the upper sidewalls could create a series of additional wetlands.		TASK 18 and 39		There would still be a loss of wetlands on the potential reservoir sites. However, your suggestion could provide mitigation. A variety of concepts for wetlands mitigation will be considered. This has been passed on to the appropriate member of the environmental consultation team.

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91	C	Bob Anderson, (L) Cont'd.	Has the canyon located just before the gate to Hood Mountain State Park been evaluated? It is off to the side of Santa Rosa Creek and appears to have only limited wetland habitat. Its elevation is approximately half that of the Geysers. It also offers the advantage of using reclaimed water to augment the streamflow of Santa Rosa Creek with potential for wetland enhancement along its length.			X	Potential reservoir sites east of Santa Rosa (including the Hood Mountain Regional Park area) have not been studied because this area is generally considered too far from the plant and the potential reuse areas. Flow augmentation has been dropped as a study component.
91	D		Be clear about the Community Separator option: The original Separator Alternative provided for both storage and wetlands creation by combining the two by creatively rethinking the concept of storage. However, the draft workscope credits the alternative with only 500 acres of new wetlands in the Santa Rosa Plain (Appendix A, page 10).	TASK 31		X	The Created Wetlands component (for polishing) has been dropped as a component. As a result, Alternative 3, Community Separator, has been dropped from further consideration. However, aquifer storage and recovery (ASR) is being considered as a free-floating components that could be potentially attached to any alternative.
91	E		A major obstacle for the System to avoid being weather-dependent is this area's wide and wild variations in annual rainfall amounts. Again, I would request that a water balance and annual operation curve be provided for the public's review as soon as possible.	TASK 31			Water balance information will be provided in the EIR/EIS. Further details on the annual operation curve will be provided in the project description section of the EIR/EIS.

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91	F1	Bob Anderson, (L) Cont'd.	Given the variations in flow in the Russian River, an alternative that should be included is the concept of having buffers for those special circumstances when the System would require another increment of storage to meet irrigation demand or discharge into the Russian River above the approved one percent level. Special agreements could be arranged with those willing to have their reclaimed water discontinued under certain conditions. An additional increment of storage could also be provided by growing redwoods on flat or terraced areas designed to accept flooding only during unique or odd-ball weather patterns.	TASK 31			The commenter is referring to an emergency situation. A contingency plan is part of the project description which will provide for variations in flow in the Russian River.
91	F2		Include a Graph for Average Dry Weather Flow (ADWF): It would be useful to include the trendline for past and future ADWF and show appropriate milestones for the building blocks that need to be in place as the Average Dry Weather Flows increase over time to 22.5 mgd.	TASK 31			The commenter refers to a phasing projection. The project description will have a general estimation of the requirements on the system through buildout of the General Plans.

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92	A	Brenda Adelman	Form letters signed and sent by supporters of the Russian River Watershed Protection Committee during Formal Scoping to the home of Tom Yokoi, a member of the BPU, were returned unopened and stamped "refused." Having obtained permission from Mr. Yokoi to mail to his non-Board address, I was disappointed by his refusal to accept the letters.	NA	NA	NA	Signed letters were added to the list of comment letters. Mr. Yokoi addressed this concern in a Board of Public Utilities meeting. He stated at that meeting that he had not given permission to receive mail at his home address, and he would not have refused the letters if they had been sent to his BPU address.
93	A	Marcia Camacho, (L)	Limit wastewater discharge to the Russian River to 1% of flow in winter only. Although the City produces a high quality wastewater, I am concerned about the potential effects, at discharge rates greater than 1%, of the unregulated and underregulated toxic constituents it contains and of their uses and parasites which sometimes occur even in a highly treated wastewater.	TASK 32			In scope.
93	B		Evaluate high levels of conservation and urban/agricultural reuse in the EIR/EIS.	TASK 29			In Scope. Also see response to comment 85 A2, A3.

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93	C	Marcia Camacho, (L) Coant'd.	I am concerned that the City is developing a very expensive River disposal option so that it can be said that a 1% discharge option is not affordable. Carefully scrutinize all project cost estimates for the alternatives to ensure that these are not padded to ensure a desired outcome.	TASKs 31 and 33			See response to comment 71C.
93	D		Try to base conclusions about wastewater quality and its potential impacts on actual monitoring data that can be scientifically validated rather than on estimated and/or inadequate data fed into computerized models.	TASK 28			See response to comment 83 J.
94	A-D	Susan Richter, (L)	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.
95	A-D	Pauline Gilbert, (L)	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.
96	A-D	Trish Wilson, (L)	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.
97	A-D	Thomas Sharkes, (L)	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.
98	A-D	John Chiappe, (L)	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.
99	A-D	Gene Dyrhang, (L)	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.
100	A-D	Richard Swan, (L)	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.
101	A-D	Mr. & Mrs. Charles Grech, (L)	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.

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102	A	Joan O'Brien, (L)	Coordinate planning with Petaluma. Otherwise, your leapfrog approach to the South County could present major conflicts and problems for both communities.			X	There may be an opportunity to achieve some cost savings due to economy of scale by sharing facilities for a South County project with Petaluma's wastewater disposal project, or by joining systems and gaining Petaluma's financial participation. This issue currently is not in the scope of this project, however, the preliminary plans for South County components are being designed to avoid areas needed for Petaluma's proposed system.
102	B		The reservoir site under consideration near me is within a mile of the Petaluma city limits on a watershed that drains directly into the city of Petaluma through park and residential development to the Petaluma River and San Francisco Bay. The site is sure to present geologic problems that will be very expensive to overcome. If the discharge and spill potential is felt by many to be unacceptable in the Russian River area, why should it be more acceptable in a larger and more dense urban area?	TASK 35	TASK 38		In scope. All alternatives and components will be studied at an equal level of detail so that an impartial comparison of their environmental effects can be made in the future for the final selection of a project. The fact that the site near you is under consideration does not mean that you have been singled out versus people who may feel affected by the other alternatives. Inundation analysis of potential reservoirs has been added to the scope.

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102	C	Joan O'Brien, (L) Cont'd.	The reservoir is part of a very expensive plan to move water to the South County. I do not care to be involved in a reservoir site and there is very little support for any other reservoir sites in the area. I was present at a South County meeting when several potential users said they would not accept wastewater if its use involved the condemnation of property for reservoir sites. At best, the reservoirs will hold water for delivery to pasture land and vineyards that are relatively small acreages and at various locations which will increase the capital costs for the distribution system.	NA	NA	NA	Comment noted. No change in scope as a result of this comment.

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102	D	Joan O'Brien, (L) Cont'd.	Whatever components you select for indepth study to solve current needs, two must be water conservation and growth limitation. Less water used obviously means less wastewater entering a disposal system. Under conservation, there are many successful wetlands plans which could be developed in areas much closer to the source of the wastewater at the treatment plant. The program is a reactive, not a proactive procedure. While you are trying to piece together a program to solve current needs, other forces are working for growth which exceed these plans. There are limits to the capacity of the area to provide services for continued population growth, but they are not being confronted.	TASK 29		X	See responses to comments 85 A2, A3 regarding water conservation and 40 B and 83 E regarding growth limitation.
103	A-C	Kenneth Brown, (L)	Given that there is probably no significant difference in quality between the effluent which could be discharged to the Russian River and that which could be discharged to the ocean, I urge the City to study the Ocean Outfall Alternative in the EIR/EIS. The reason is that the pristine beauty of the Russian River is far more fragile than that of the ocean.			X	The ocean outfall alternative was dropped after consideration by the Board of Public Utilities.

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103	D	Kenneth Brown, (L) Cont'd.	Dual inlet piping for flushing and dual overflow piping for graywater irrigation should be modeled for cost/benefit and break-even potential for the long-range survivability of the Subregional System. This could be accomplished under the aegis of the "No-Project" Alternative.	TASK 29		X	See response to comment 85 A2, A3. The Board of Public Utilities decided not to pursue "unproven" water conservation technology in this project. However, use of greywater is not being pursued because of soil unsuitability in the Santa Rosa area. Even if all these innovative water conservation measures could be implemented, the "No-Project" Alternative would still not solve the principal problem driving the Long-Term Project (i.e., the wastewater disposal system would still have the potential to fail during dry winters).

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104	A	Kim Cordell, (L)	Page 34 of the Summary of the EIR/S Consultant's Proposed Scope of Work indicates they propose to make conceptual designs for wetlands creation and wetland enhancement on a site specific basis. I suggest that this level of detail is premature, especially in the Laguna de Santa Rosa. At the present time, public agencies (including the City of Santa Rosa) and private landowners are developing a Coordinated Resource Plan for the Laguna. This plan will set long-term management objectives, including habitat restoration and enhancement. The plan will be the basis for individual resource management plans subsequently developed by landowners such as the City, and the Department of Fish and Game. To design wetlands before long-term restoration goals are established seems a futile effort, and may endanger the goodwill currently developing between public and private landowners in the Laguna.			X	Wetland creation has been eliminated from further consideration in the Long-Term Project. Wetland creation may be considered as mitigation for the loss of wetlands. If so, the environmental consultant team and the City of Santa Rosa would be in contact with those planning the resource management of the Laguna area.

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104	B,C, D	Kim Cordell, (L) Cont'd.	<p>Augmenting summer low flows cannot automatically be assumed to enhance the natural resources of a stream or riparian zone. Before impacts can be assessed, many questions will need to be answered including:</p> <ul style="list-style-type: none"> • What is the ecology of the natural low-flow regime? Intermittent pools separated by near-surface flow through alluvial material sustain diverse macro-invertebrate and microbial populations. How would continuous flows affect the aquatic food chain? • Will the augmentation occur in a groundwater recharge or groundwater discharge reach of the creek? If in a recharge reach, what will be the impact on near-surface groundwater used for drinking (e.g., Americano Creek)? Will the increased recharge affect groundwater discharge downstream in terms of quantity or quality? If augmentation occurs in a discharge reach, what will the impacts be on water quality, especially temperature and nutrients? • Will augmentation cause morphological changes in the low flow channel? 			X	Flow augmentation has been eliminated from consideration. Therefore, an analysis of impacts on groundwater recharge, groundwater quality and surface water quality pursuant to this component does not need to be included in the scope of work.

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104	E	Kim Cordell, (L) Cont'd.	With respect to summer flow flow augmentation in streams proposed for study: ● Would there be a loss of riparian vegetation due to elevated groundwater?			X	See response to 104 B, C, D.
104	F		Would flow augmentation increase the stream's ability to transport pollutants? (A silage leachate spill in San Antonio Creek last summer was more easily remediated when streamflow became isolated in pools.) Will pollutants transported downstream become concentrated in sensitive habitats, especially estuaries and marshes? If augmentation is determined to be beneficial for in-stream resource values, will there be protection from withdrawal by riparian water users? Who would be responsible for monitoring long-term, cumulative impacts?			X	See response to 104 B,C,D.

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105	A1	Brenda Adelman, Russian River Watershed Protection Committee, (L)	<i>(The items presented by the commenter pertain to a North Coast Regional Board draft report on non-point source pollution in the Laguna.)</i> Our principal concern is that based on the above-referenced Report, the Subregional System Treatment Plant may be having a larger impact on the Laguna than non-point sources.	TASKs 20, 21, 25 and 34			Comment noted. These comments refer to the North Coast Regional Board draft report on non-point source pollution to the Laguna. These comments were submitted to the NCRWQCB and were responded to by that agency. The EIR/EIS is evaluating the potential effects of the discharge on the Russian River and the Laguna de Santa Rosa.
105	A2		The Report's value is limited because it is based on concentrations of pollutants rather than on mass-loadings which provide a better basis for evaluating the impacts of non-point sources in comparison with point sources.	NA	NA	NA	The existing system is not being studied in the EIR/EIS. The study's purpose is to evaluate the potential environmental impacts of wastewater disposal options which could become part of the system.
105	A3		It is not clear from the Report if what was thought to be cow manure in stream-bottom sediments was true everywhere or perhaps anaerobically decomposing algae or other plant material instead.	NA	NA	NA	See response to comment 105 A 2.
105	A4 A5 A6 A7		Graphs and charts in the Report suggest that high nitrogen loadings may be coming from the Regional Plant as implied by concentration measurements.	NA	NA	NA	See response to comment 105 A 2.

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105	A8	Brenda Adelman (L) Cont'd.	Since effluent from the wastewater treatment plant is used for irrigation throughout the Laguna, discharges will still have an impact on the Laguna even under "no-discharge" conditions. It is not clear in the report how such loads were accounted for, although it is implied that everything that was not discharged directly from the plant was attributed to dairies, and to a lesser extent to urban runoff. Given the high nutrient concentration in the effluent, and frequently high surface runoff during irrigation, the impact of irrigation should be evaluated before reaching conclusions about other non-point sources.	NA	NA	NA	See response to comment 105 A2. For irrigation runoff impacts as a result of the Long-Term Project, see response to comment 2 I.

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106	A1 A2	John Rosenblum, (L)	<p><i>(The commenter's input pertains to a review of the North Coast Regional Board's draft report on "Waste Reduction Strategy for the Laguna de Santa Rosa" which was submitted during the Formal Scoping Period to suggest areas of investigation by the consultants for the Long-Term Project EIR/EIS):</i></p> <p>The draft waste reduction strategy is based on incomplete analyses and misleading conclusions which give rise to the following concerns about waste reduction in the Laguna. (See 106A1-106D which follow:)</p> <ol style="list-style-type: none"> 1) Incomplete analysis of nitrate impacts on algae growth and its role in dissolved oxygen reduction 2) Failure to include nitrate in the analysis of nitrogen effects in the Laguna may mask the fact that the data shows the Regional Wastewater Plant contributing more nitrogen to the Laguna on an annual basis than any other source. 	NA	NA	NA	See response to comment 105 A2.

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106	B	John Rosenblum, (L) Cont'd.	3) Diurnal measurements of dissolved oxygen are lacking; the data on which conclusions are based is of questionable validity due to poor sampling and lack of systematic monitoring; and study results rely heavily on unverified computer model, Qual 2.	NA	NA	NA	See response to comment 105 A2. See response to comment 83J on role of computer model in the environmental review.
106	C1		4) The evaluation and analysis of nitrogen inputs to the Laguna are too simplistic. Attributing ammonia toxicity primarily to runoff from heavily manured areas of dairies is misleading. The more complex task of evaluating all types of nitrogen inputs from all sources is missing.	NA	NA	NA	See responses to comments 105 A2.
106	C2		5) Base strategies for ammonia reduction on concentration levels, since fish are sensitive to very low concentrations. Converseley, base strategies for managing dissolved oxygen on mass limits, because suspended organic solids can settle and create impacts in different seasons and years.	NA	NA	NA	See response to comment 105 A2. For concerns about low DO related to Long-Term Project Alternatives, see response to comment 31, Table 1.

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106	D	John Rosenblum, (L) Cont'd.	Improve the proposed strategy for waste reduction in the Laguna by: a) developing direct measures for dissolved oxygen b) including specific measures for nitrate in the Laguna Subregional Treatment Plant effluent; and c) developing dairy waste Best Management Practices to ensure balanced application of manure and irrigation water.	NA	NA	NA	See response to comment 105 A2. In so far as these comments pertain to the Long-Term Project EIR/EIS, see responses to comments 83 O1 through 83 O15.
107	A-D	Alan Haramati	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.
108	A-D	Farrell Winter	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.
109	A-D	Gloria Potter	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.
110	A-D	Fred Beeman	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.
111	A-D	Charles Bishop	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.

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112	A	Michelle Julene, Sonoma County Water Agency (L)	Coordinate with Pamela Jeane at the SCWA to make sure Long-Term Project EIR/EIS flow projections are consistent with water demand projections for Subregional System communities now being prepared by SCWA's consultant, Montgomery-Watson. In addition, coordinate with the SCWA about water conservation studies it is now conducting to ensure that these are also consistent with the information being prepared for the Long-Term Project EIR/EIS. Contact SCWA's Jim Flugum to ensure that the SCWA and City of Santa Rosa coordinate on their respective studies of potential Aquifer Storage and Recovery (ASR) projects.	X	X		Coordination is ongoing with the Sonoma County Water Agency (SCWA) and the Agency's consultants, regarding land use and water demand and wastewater flow projections, and the analysis of water conservation options. ASR studies are also being coordinated with the SCWA.

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112	A	Michelle Julene, (L) (Cont'd.)	The SCWA has developed a computer model to simulate operation of the Russian River, Lake Mendocino, and Lake Sonoma to analyze the potential impacts on river flows from the increasing diversions of Russian River water. The SCWA's current analyses will include projections of future flows in the Russian River. The Agency would like to make this information available to the City's consultant so that the subject DEIR can incorporate these flow projections in the analyses of Russian River discharge alternatives. Jim Flugum is the contact person for questions regarding the computer model.	TASK 28	TASK 28		See response on preceding page for first part of comment 112A. Russian River flow projections were obtained from the SCWA and were used in the revised water balance calculations.
112	B		A 3836R permit will be required for any activity which would disrupt natural streamflow and an 1108 permit would be required for any activity which would block the natural flow of water in waterways. After January 1, 1995 both of these permits will be issued by the Sonoma County Permit and Resource Management Department. Ken Milam is the Director of this Department.	TASK 10			These permits will be added to the Permitting Report.
113	A-D	Mr. & Mrs. Richard Fiore (L)	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.

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114	A-D	Genevieve Malmstrom (L)	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.
115	A-D	Elizabeth Whitmore (L)	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.
116	A-D	Erika Florie (L)	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.
117	A-D	Rosemary Benz (L)	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.
118	A-D	Phyllis Honodel (L)	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.
119	A-D	Suzanne Curtiss (L)	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.
120	A-D	William Murray (L)	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.
121	A-D	Kenneth Hower (L)	See comment summary for 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D.
122	A	Lee Erickson (L)	Most of the West County landowners who would be candidates for using the City's treated wastewater for irrigation would not accept the water, if it required condemnation of a local ranch or ranches. This would include those ranchers who have a vital interest in obtaining the water. Most ranchers view the City's current contention that it would use condemnation if necessary as a violation of a prior "gentleman's agreement" that the City would never exercise this option.	NA	NA	NA	Current City Council and BPU members have stated that they would prefer not to use the power of eminent domain to acquire property. They have also stated that they will not make a general commitment in this regard; instead they will assess specific situations as they evaluate possible solutions for the Long-Term Project.
123	A	Joan O'Brien (L)	See comment 102 A	Same	as	102 A	See response to comment 102 A.
124	AD	James T. Hollibaugh,, Romberg Tiburon Centers (L)	The proposed project descriptions are too sketchy to evaluate.	X			Project description will be further refined in the draft EIR/EIS.

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124	B	James T. Hollibaugh, (L) Cont'd.	The sampling frequency appears to be generally lower than is desirable to obtain an adequate description of baseline conditions. It is especially important to sample the first runoff early in the winter and, if loadings are to be calculated, to sample more frequently during storm events than during low flow conditions.		TASKs 20, 21, 28 & 34		All water quality scopes have been revised to address the issue of frequency.
124	C		The consultants should use the high sensitivity analytical techniques available for nutrients (nitrate/nitrite, ammonium, phosphorus) rather than the standard EPA protocols which do not have the sensitivity required for analysis of natural waters where concentrations are often <1uM. They should also determine total dissolved and particulate N and P in their samples.	TASK 21			In scope.

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124	D	James T. Hollibaugh, (L) Cont'd.	Potential water losses by evapotranspiration from the Sonoma Baylands marshes should be analyzed. I suspect that evapotranspiration will result in elevated salinities in these marshes during the summer, possibly to undesirable levels. This impact could be offset by reclaimed water. Evapotranspiration should be taken into account in any scenario that involves the creation of tidal marsh.	TASK 18		X	Wetland creation is not proposed by the City of Santa Rosa in association with the Sonoma Baylands marshes. The effect of irrigation on salt accumulation in soils will be addressed.
124	E		The numerical model used to analyze the effects of discharge into the Petaluma River on the river's salinity and nutrient distributions should also take into account the effects of the discharge on residual circulation, flushing and particle distributions.			X	No modeling will be done for the Petaluma River.
124	F		Cost/benefit analysis of irrigating agricultural land or assessment of the environmental impacts of irrigation must take into account the impacts of other practices related to the shift of land use from primary grazing to irrigated pasture or cropland.	TASK 33			In scope.

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125	A	Anonymous (L)	The commenter submitted an article describing a proposed repurified water recycling project being planned by the San Diego County Water Authority. According to the article, the water would be blended with the County's main water supply, most of which is imported.	NA	NA	NA	The article was reviewed by the appropriate engineering staff and was filed in the Laguna Library.
126	A-D	Ken Wilson (L)	See summary for comment 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D
127	A-D	Art McNulty (L)	See summary for comment 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D
128	A-D	Ed Cooper (L)	See summary for comment 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D
129	A-D	Mary Donatelli (L)	See summary for comment 93 A-D	Same	as	93 A-D	See responses for comments 93 A-D

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