

Stakeholder Comments on the IRWM Plan Vision, Goals, and Objectives

Comments	Stakeholder meeting			Questionnaires by Watershed															
	North County	South County	Central County	Regional	San Juan Hydrologic Unit	Carlsbad Hydrologic Unit	Mission Bay Hydrologic Unit	Pueblo Watershed	Tijuana Watershed	Sub-regional (specify)	Santa Margarita Watershed	San Dieguito Watershed	San Diego River Watershed	Sweetwater Watershed	San Luis Rey Watershed	Los Peñasquitos Watershed	San Diego Bay Hydrologic Unit	Otay Watershed	Other (specify)
Prioritization																			
Need to prioritize projects in plan as well as in Prop 50 application.	x																		
Are we going to use these new principles to prioritize the projects? Will this be bottom-up process?			x																
Will last year's projects be reevaluated?		x																	
Create linkages between objectives and projects. Verify with economic studies.	x																		
General																			
Include whole county, all watersheds, and all communities. Doesn't make sense to leave out eastern region including East City and Riverside, not just including Borrego, Santa Margarita.	x																		
Put public notice in newspapers that the response form can be found on the website and they have until a date certain to give comments.		x																	
Might want to have specific place in planning process for other resources.			x																
We have a tendency to go for large projects and need to investigate small local solutions before making assumptions about large solutions.	x																		
Add land use planning as a separate objective.	x																		
Is it the intention of the Plan to reshape local planning requirements?		x																	
Need baseline assessments of each watershed (like a Strategic Environmental Assessment).		x																	
League of Women's Voters deeply concerned that in the past water issues have not been integrated with energy and need to recognize the impact on energy sources.	x																		
No community emergency response team representative and no earthquake preparedness included in plan; as a controlling program, people will look to you to respond to emergencies and the supply of water under emergency circumstances and include that in the program; the Patriot Act requires the vulnerability assessment.	x																		
Need to address Regional Sediment Quality management issues and beach replenishment.	x																		
Watershed modeling as a way to get to all of the issues.	x																		
Include total costs, normally externalized, to "hold the feet to the fire" in cost/benefit analysis for sustainability.			x																
Express that the plan encourages further development of existing efforts, do not disregard those already practicing conservation like Poway. Give credit to the local authority that is actually doing something.	x																		
"Mind map" the objectives.			x																
The RWMG members should not be prioritizing projects; watersheds should each do their own planning and then report to a management group that is formed from the 9 watersheds.		x																	
Should form workgroups by water management strategies to prioritize projects by invitation of those agencies with projects in the IRWM Plan, at a minimum, and invitation of all other interested parties. Set a clear schedule for work groups meetings and a deadline for prioritization.	x																		
Consider team building exercises to help large groups make decisions on priorities, projects, etc.		x																	
Operationally define of the term "integrated" (see www.integralinstitute.org).				x															

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City of San Diego, County of San Diego and San Diego County Water Authority need understanding and implementation of marketing principles (see www.valueontap.com).				x															
Local funding is essential: begin extending and implementing new investment systems for developing ongoing local funding. 1. Treat ratepayers like investors (not merely, or only customers, and certainly NOT just as "students" that need to be "educated"). Investors don't need to be "educated," they need to be informed why specific projects are good investments for the regional natural, social and economic communities in using an integrated marketing approach. 2. Implementation of sound integrated marketing principles (above), will ensure that the watershed receives appropriate local investment.				x															
Incorporate soils into the plan.				x															
An appropriate way for the agencies to address these situations is to set up transparent, stakeholder-participatory processes that result in establishing watershed-level goals, funding levels, controls and incentives. Thus empowered and committed, it now becomes the responsibility of a watershed's stakeholders to best use these investments for the long term.				x															
A Prop 50 grant can act like the seed investment, but it would be a waste if local stakeholders do not devise other ways, best suited to their local circumstances, to fund their efforts on an ongoing basis.				x															
Revive the term "environmental footprint" (a combination quantitative and qualitative assessment of impacts beyond project and over time).				x															
<b>Vision</b>																			
Should be reevaluated for "fit" with the IRWMP update priorities. Needs good connectivity with goals and objectives.	x																		
Emphasize that these are goals of the region not just the plan.	x																		
Develop, protect ... relate to all waters of the region not just water supplies -- recycled, desalination, etc.		x																	
Bring sustainability into vision and goals rather "bury" it in than strategies.		x																	
"Natural resource" goes beyond water; integrate all the environments (e.g., CalEPA).			x																
Sustainability and integration can't just integrate three things (e.g., water supply, water quality, natural resources)			x																
Define or explicitly leave open the definition of "natural resources": Flora and Fauna (biota?), Soils, Air, Mineral and chemical resources, Private Property Assets (space for living), Solid resources (organics left to "rot" in landfills) Others? How will we include them ongoing as we move forward? How does the SD IRWM plan interface, specifically, with this planning process (i.e. these "natural resources")?				x															
<b>Goals</b>																			
Difficult goal to meet would be to develop reliable water supply; don't reinvent the wheel because the CWA exists.	x																		
State conservation explicitly in the goals.		x																	
Goals should be numbers, objectives should be word statements.	x																		
13 is too many objectives. 7 or 10 would be more workable.	x	x																	
Make sure to keep Vision and Goals simple and flexible. Too much prescriptiveness can be limiting later. Use "objectives" to be specific. It's too narrow to the geographic region.	x																		
Do the goals and objectives facilitate the incorporation of the 11 minimum required water management strategies? As well as the statewide priorities required by the IRWM Plan standards?			x																

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Prop 50 funding is a goal, so part of the application needs to state how we meet statewide priorities and preferences—multiple benefits through integrating projects and environmental justice.	x																			
Need to quantify all goals and objectives; how much water to develop; how much open space to acquire; how much pollution will be reduced.	x																			
Need to set up minimum objectives of goals for quantitative and qualitative assessments.		x																		
Show how the various goals of water supply, water quality and “natural resources” (once more fully articulated) are all truly “integrated” in this plan. An appendix that shows the specific relationships of the integrated nature of these important elements can be made with the assistance of soil and solid waste watershed stakeholders.				x																
Objective 1. Develop and maintain a diverse mix of water resources																				
1. Include groundwater desalinization.	x																			
1. Groundwater should never be pumped faster than recharge rate.		x																		
1. Golf courses, hotels, and other high water users should not be allowed to use groundwater.		x																		
1. Water conference on groundwater. Need additional analysis and broaden research.	x																			
1. Groundwater: in San Diego county and Riverside county there are leaking underground storage tanks and Regional Board is not taking a regional view of the problem.	x																			
1. Recharge of groundwater not adequate without analysis being done; need more resource conservation.	x																			
1. Need to acknowledge the amount of impermeable surface and relationship to lost groundwater, especially in the upper watershed.	x																			
1. Impermeable surfaces: add text on policy changes at a local level that push new development or redevelopment to have more permeable surfaces and that runoff be utilized for irrigation etc. Add rainwater harvesting to “diverse mix” (even reservoir storage is “rainwater harvesting”).	x	x																		
1. Discuss storm water recharge. Get the water into the ground by keeping the water as close to the source as possible.	x	x																		
1. Place watershed protection specifically for local water production here.		x																		
1. Need to adopt strategies used in other areas of the country and the world on recycled water.			x																	
1. Potable recycled water must be adopted but only when level of cleaning is equal to that used in the space station.		x																		
1. Water reuse or “BMPs for indirect potable reuse” needs to be implemented through this plan.			x																	
1. Gray water reuse.		x	x																	
1. Local wastewater treatment could be included as a resource.		x																		
1. Urban runoff treatment using small wetlands.		x																		
1. Make conservation an explicit expectation (quantify the amount to conserve).	x																			
1. Determine the costs:benefits of water conservation for the customer – what is going to be the cost on the water bills for each of the solutions? Let people know what the trade off is between recycled water and treating raw water; look at the affordability of the various diversification efforts.	x																			
1. Note support of beneficial uses.		x																		
1. Conservation could be its own objective.		x																		
1. Support recycling and waste reduction efforts. Eliminate plastics, "zero waste" goals.		x																		

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1. More public relations need to be put into conservation. Conservation does not have to be deprivation. Images of attractive, water-wise landscapes need to become part of the public's awareness.				x																
1. Included specifically "indirect potable reuse" and "landscape water use efficiency" programs and market development.				x																
1. Issue/challenge: Drinking water reservoirs are impacted by degraded water quality from urban runoff.												x								
1. Issue/challenge: Public perceptions on recycled water												x								
1. Issue/challenge: Conflict resolution between water agencies												x								
1. Issue/challenge: Encouraging partnering between agencies on multi-benefit projects												x								
1. Issue/challenge: Groundwater salinity												x								
1. Indirect potable reuse is under-represented. While recycled water is included in this plan, the only mention of indirect potable reuse, as "toilet to tap"(!) This current IRWM Plan shows NO benefit of learning from either that failure OR the new best practices being used by other successful agencies around the country. See a recent study funded by the WateReuse Association that includes 25 Best Practices.				x																
1. Groundwater recharge techniques—as an at least partial alternative, water which is already high in the watershed, such as imported supply or reservoirs such as Sutherland or even naturally pre-treated surplus water from sewer lines, could be piped at night to storage tanks at/near the tops of transverse ridges, and from there, gravity fed in small volumes to the head of every appropriate micro-watershed finger extending from the ridge. These small volumes will revitalize and support habitats, while removing the high TDS and other impurities, sweetening the water. Once equilibrium is established, evaporation losses will be less than open leach fields (especially as fingers become shaded), the majority of the water will travel over and under ground to the GWSB or other chosen downstream waterway; evaporation losses . Construction costs and environmental damage are decreased through use of minimal infrastructure; while benefiting overall watershed health.				x																
<b>Objective 2. Construct and maintain a reliable water infrastructure system</b>																				
2. Potable, non-potable, treated, and recycled water need to be included; capture all water sources that would go through an infrastructure system.		x																		
2. Invest in improving the treatment to high quality through one delivery system.			x																	
2. San Diego sewage treatment plant must be upgraded, dumping primary treated sewage in the ocean and the number of spills is totally unacceptable. The 19 cities that depend on Point Loma should not be allowed to add a single additional user until the situation is upgraded to tertiary level with no spills.		x																		
2. Large infrastructure projects should be broken into smaller, local projects; decentralize distribution.			x																	
2. Think green in the infrastructure planning and construction process (paints, recycled plastic pipes, etc).			x																	
2. Localized treatment, storage, and distribution would give greater reliance against emergency loss due to earthquakes, etc.			x																	
2. Microbasin management allows better management of the entire watershed.			x																	
2. Need a septic tank program			x																	
2. Better infrastructure monitoring system ability to detect breaks and other problems.			x																	
2. We need a well survey and monitoring program to get handle on water tables.			x																	
2. Drainage infrastructure needs to be included as a "utility"; bring up to same level as sewer and water.			x																	
2. Local funding through appropriate market development is important and one of the challenges of utilities is to find sustainable funding source—more than a one-time impact fee.			x																	

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2. Incorporate environmental impacts and scheduling. Consider a Strategic Environmental Assessment as a tool for the process.		x																		
2. Need integration of URMP goals and the local reliability goals.		x																		
2. Interagency coordination could be added. It is addressed in Obj. 12.		x																		
2. Minimize development of secondary infrastructure for inferior water quality (non-potable recycled water) vs. investment in incremental treatment of reclaimed water to potable with appropriate marketing techniques to support their implementation and investments.				x																
2. Issue/challenge: Aging infrastructure												x								
2. Issue/challenge: Meeting increasingly stringent drinking water treatment standards (e.g. disinfectant by-product formation)												x								
2. Re-educate water agency planners to think about smaller alternatives to giant plants with their standard use of often hazardous chemicals. (e.g., carcinogenic properties of chlorine transients are ignored but still present.) There are other ways to clean and purify water.				x																
2. With respect to water supply, waste handling and watershed functions, it may be that consolidation does NOT increase overall efficiency or reduce overall costs. Perhaps require project proponents to do two things: • Ensure that project objectives address primary needs and/or causes, and are not simply responding to symptoms or secondary needs (e.g., people do not want electricity, per se, they want light, warmth and hot or cold food); and • Ensure that alternatives are included which decentralize services; making them as small, local and as high in the watershed as possible. This increases possibility of serving multiple needs, and decreases costs associated with mass redistribution. For example,				x																
<b>Objective 3. Minimize the negative effects on waterways caused by hydromodification and flooding</b>																				
3. Enhance historical waterways instead of concrete/pipe channels. Daylighting of channelized creeks and the return of minor creeks and passages to natural state. Reestablish entire stream network where possible.	x		x																	
3. More focus on removing/not adding any more impermeable surfaces—restriction on such surfaces in new subdivisions.	x																			
3. Building in flood plains by using fill should be stopped.		x																		
3. Map FEMA flood areas as well as flood channels and update maps.		x																		
3. Hydromodification should address how regions are now getting less water (in addition to “increases”) through lack of water infiltration.		x																		
3. Permeable surfaces would move allow water to move slowly down through the watershed.			x																	
3. Low impact design principles should be required for new development or re-development.		x																		
3. Water Use Efficiency to treat Problem at cliffs and lagoons where there is too much fresh water from dry weather runoff, irrigation, etc.			x																	
3. Encourage projects that limit impacts on creeks; Need survey to understand what; Return to our natural system; Encourage changes to the permitting process by County and City.			x																	
3. Incentives needed in regulations so we can catch up with the rest of the country on Low Impact Development.			x																	
3. Parks and Rec Commission is concerned about invasive plants that consume water in the waterways.	x																			
3. Removal of large trees in the area that otherwise would provide conduits to and from groundwater is destroying the surface/groundwater interaction and people need to take care of their large trees	x																			
3. Set goals and criteria to ensure balance between resource protection and flood protection.			x																	

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3. The negative impacts of hydromodification and flooding on waterways and water conveyance systems could potentially create habitat which supports mosquito breeding and the threat of West Nile virus and other vector borne diseases. Vector Control recommends water not be allowed to remain (stand) more then 72 hours in a modified waterway or basin.				x														
3. Use pro-active soils management and distributed small basins for storage throughout all of San Diego's watersheds.				x														
3. Conserve water and tap local sources.				x														
3. Add to causes of hydromodification: "ground disturbance and ground cover/ plant/ tree removal".				x														
<b>Objective 4. Support attainment of the beneficial uses of the Region's waters</b>																		
4. Proactive research and implementation of new contaminants of concern.	x																	
4. Emphasize impaired waters and sensitive habitat in the plan.			x															
4. Reconsider groundwater storage in degraded basins.		x																
4. A bullet should be added to incorporate Ocean Plan issues.	x																	
4. Environmental justice issues need to be considered.	x																	
4. Non-human beneficial uses should be included.		x																
4. Specific objectives are needed for beneficial uses including flora and fauna.		x																
4. Is there prohibition on the use of funding to actually implement TMDLs and monitoring, etc?	x																	
4. Take proactive steps to avoid TMDLs because water quality standards are constantly changing—can avoid costs.	x																	
4. Basin Plan, 303d listings, and TMDL program need update based on science in a cyclical manner.	x	x	x															
4. Look at natural solutions and ways to deal with TMDLs that do not use chemicals.	x																	
4. Basin plan issues: Borrego/TJ to Santa Margarita need to be included because of the connectivity.	x																	
4. If there is a 303d listed water body, can you use the water if it has a TMDL? Is it based on sound science? Emergency plan for drinking water supplies?	x																	
4. Need to change policies to solve the problems of permitting, etc. with County and Reg 9.			x															
4. Basin Plan needs to view drinking water bodies (reservoirs) different from other natural water bodies (lagoons, estuaries, streams, etc.)		x																
4. In the Santa Margarita River Watershed, Bureau of Reclamation is going to do a 3rd party TMDL assessment, and we raised how land planning would be integrated into the scheme but cannot get defined role defined for jurisdictions; this is a very big concern regarding the supply of water.	x																	
4. Use attainability issues should be included (can't reach objectives of the Basin Plan).		x																
4. State how we are going to meet Region's 9 goals and objectives.			x															
4. Balance role of natural vs. mechanically treated waters. Show how the plan accommodates these methods in an "integrated" fashion.				x														
4. Issue/challenge: Expanding urban area increases water quality impacts																		
<b>Objective 5. Effectively manage sources of pollutants and stressors</b>																		
5. GIS mapping of resources like pollution pathways and transport mechanisms—need for pollution model.	x																	
5. Consider alternative means of managing pollutants and stressors rather than existing set of tools.		x																

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5. Include solid waste, landfills, concerns about leachate, etc.		x																	
5. Look for and consider common project for all cities that could result in a regional program supported by all stakeholders and provides maximum regional benefits and can be much more competitive for funding.		x	x																
5. Funding mechanisms needed at the program level (e.g., storm water program).		x																	
5. Public education/PR to focus on builders, contractors, onsite decision makers during the construction, especially heavy equipment operators, including landscape contractors. Educate them on connection between BMPs and impacts to environment.	x		x																
5. Outreach to more than developers; in older developments, reach out to homeowners of all kinds.			x																
5. Use bioremediation rather than digging up all the soil.			x																
5. Much more focus is needed on low impact design in new communities and promoting redesign in existing areas. Poor design is contributing to storm water runoff, which is overseen by another agency than the one that allowed poor design.		x																	
5. Regulatory instruments can be used as public education (e.g., fines, enforce storm water permit components).	x	x																	
5. Waivers should not be allowed. Agriculture needs to meet standards as do homeowners. This should be part of the municipal code.		x																	
5. Need more enforcement and money to pay for enforcement of illegal dumpers.			x																
5. Leaking underground storage tanks enforcement by Department of Environmental Health or Region 9 is lacking; flumes expand because don't take regional/adjacent parcel view; agencies need to take a broader view other than just where the problem is; agencies should go out to the field to look for pollutant sources instead of spending money doing modeling; need to deal with property rights			x																
5. Standardize construction of single permit and BMPs throughout the county across the jurisdictions.		x																	
5. The plan should include Regional/watershed BMPs, i.e., Detention Basins.	x																		
5. There needs to be a clear message about the connection between conservation and run-off pollution.				x															
5. Part of the effective management and control of both point source and non-point source pollutants, should be the implementation of a vector management plan to prevent the possibility of mosquito breeding and vector borne disease. Proper maintenance and design of BMPs are key to the reduction of disease vectors as well as nuisance pests.				x															
5. Use recycled organics to better manage the watersheds...see new compost specifications being adopted by Caltrans, urge adoption throughout San Diego's watersheds.				x															
5. Issue/challenge: Increasing urban areas												x							
5. Issue/challenge: Risk of septic systems contributing to nutrient and bacterial loads.												x							
Objective 6. Restore and maintain habitat and open space																			
6. Maintain ocean water quality—how do pollutants impact ocean ecosystems?	x																		
6. Marine management programs and ASBS needs to be acknowledged and included.			x																
6. Need to include estuaries in our plan.			x																
6. MSCP should coordinate with planning effort.		x																	
6. Interface with SANDAG's environmental mitigation program opportunities areas for habitat acquisition which are based on areas of greatest need for conservation.		x	x																
6. Need ordinances to control invasive species and other edge effects from development located on the edge of habitats.		x																	

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6. RWMG needs to look at local groundwater management to integrate in overall IRWMP (e.g., Campo plan).			x																	
6. Review and reformulate zoning and regulations to get past hindrances such as permitting, which can hinder habitat preservation.		x																		
6. Agency performance is a problem.			x																	
6. Development happening where it shouldn't; save the big important areas. Need to implement EIR, MND mitigation for the long-term. Look at planning and permitting process to see if we can consider the possibility of preserving use of land early in the process		x	x																	
6. Mitigation can fail so better to preserve than mitigate.			x																	
6. Need larger corridors (like waterways), ecosystem restoration, large buffers between development, habitat connections.		x																		
6. Impermeable surfaces need to be considered because housing built on tops of hills prevent infiltration to canyons at bottom of development. Also where irrigation is running off, take advantage of that as source. Consider groundwater recharge.	x																			
6. Agriculture is brought into the process too late.			x																	
6. Expand role of NGOs and other agencies in habitat restoration and support with funding.		x																		
6. Funding for land acquisition, management, and monitoring.		x	x																	
6. Invasive species should not be promoted just because they use little water.				x																
6. Proper design and construction of "habitats" such as wetlands and riparian zones should ensure that water moves through, so as not to allow mosquito friendly environments. In addition to design, a maintenance program/schedule is very important for the prevention of mosquito problems associated with disturbed wetlands.				x																
6. Another challenge here is that once a "wetland" has been created, it is subject to many environmental laws and regulations that may delay necessary action by vector control when a mosquito population becomes a nuisance or public health threat.				x																
6. Show how locally available composts can be used as a BMP for maintaining and enhancing nature's management of the soils and ecosystem (use ACP, www.healthysoil.org) as an ongoing working resource for this plan implementation.				x																
6. More and better managed habitats and open space, and greater community awareness.				x																
6. Permitting—a regional-level mechanism is needed to create variances or flexibility in local permit processes which will allow for preservation and/or enhancement of micro- and macro-habitat areas.				x																
<b>Objective 7. Promote economic, social, and environmental sustainability</b>																				
7. Land use should be its own objective.	x																			
7. Prioritization of projects in a matrix (goals and objectives, tangibles, intangibles, etc.).		x																		
7. Consider costs and benefits on a scale of assistance to getting plan objectives that are qualitative not just quantitative (aesthetics, community values, loss in confidence in drinking water).	x	x																		
7. Socio-economically disadvantaged are not as able to participate.		x																		
7. Educational material does not address diversity and that needs to be changed.		x																		
7. Program to go into disadvantaged communities and offering free retrofitting. Family or neighborhood-based training demonstrations.		x																		
7. Need public education and participation on sustainability.		x																		
7. Pamphlet at the border detailing the values of our region and telling them how to take care of our area.		x																		
7. Meet Statewide program priorities and preferences like Environmental Justice.	x		x																	

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7. Sustainable local supply – Drought management plan. Development of water resources is not equal across the jurisdictions and emergency solutions do not pencil out; local water suppliers will be reluctant to share during an emergency. How will you deal with those who have planned ahead and those who have not?	x																			
7. Need to influence building department codes.	x																			
7. Educate planners through workshops on what to suggest to developments and to look at cumulative impacts throughout the county	x																			
7. Standardize and make flexible regulatory and mitigation requirements – make explicit directive to change local land use regulations to support goals.		x																		
7. More effective land use planning—incentives for environmentally sound projects.	x																			
7. Give credit like reduced permit fees to builders for best management practices such as permeable paving.	x																			
7. There is not sufficient focus on sustainability.		x																		
7. Energy is considered in "sustainability". It can be linked to water conservation.	x																			
7. There's only a certain amount of people that can live here – has this been addressed here?	x																			
7. Build small wastewater treatment plants closer to source and natural treatment techniques.	x																			
7. Develop ongoing local funding sources and systems (e.g. 'drainage utilities, and watershed management assessments, etc.), combined with up-to-date investment marketing techniques, treating "ratepayers as investors," to become sustainable local partners in watershed and community enhancement.				x																
7. Technology—Important concepts to explicitly include in Plan and to be followed by entities: Appropriate Technology (Centers for Appropriate Technology in US, UK, other); Low-Impact Development; Passive and low-energy technologies (e.g., utilizing gravity); Decentralization Biomimicry – basically, solving design challenges by asking "what would nature do here?"				x																
7. Codes—Use the New Construction Specifications Institute (CSI) "Green Format" that provides a consistent framework for reporting and analyzing information that is responsive to sustainability requirements by work categories. (consistent with the standard format).				x																
Design and Construction—do not use lowest bidder system (cost overruns often exceed high bidder); use qualifications-based				x																
7. Design and Construction—specify that both designers and builders be adept in green/low-impact development.				x																
7. Design and Construction—Bring in independent peer review no later than 30% into the design phase.				x																
7. Design and Construction—Integrate planning and implementation processes.				x																
7. Include climate change and sustainability explicitly at the beginning, and throughout, the Plan. Explain the triple-bottom-line, and the behavioral changes they necessitate. [Do we want to mention population pressures?]				x																
<b>Objective 8. Promote water-related recreational opportunities</b>																				
8. Explicitly state "walking" as a water-related recreational activity.		x																		
8. Most open space parks are outside of disadvantaged areas. There needs to be deliberate seeking out of areas in disadvantaged neighborhoods to restore creeks, get drainages out of culverts, and make open space parks.		x																		
8. Recognize beach and ocean quality as a key recreational opportunity and resource for San Diego County.	x																			
8. Partner with agencies to purchase land along waterways and headwaters for recreation.	x																			

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8. What about human contact with polluted water bodies? Promote "where appropriate".	x	x																
8. Education to public about stewardship responsibilities and value of resource.		x	x															
8. Address conflict between recreators and habitat needs.			x															
8. Address lagoons: threatened and endangered species and growing population difficult to balance with disappearing resource base.			x															
8. Address sports fields and herbicide/pesticide usage.			x															
8. Add text regarding consistency throughout the state on recreational water quality standards.	x																	
8. Storm water regulations need to be more preventive.	x																	
8. Add costs benefits and develop substantiating data.	x																	
8. Continue on the path of enhancing the relationship between the fresh and salt water ecosystems in all of San Diego's watersheds.				x														
8. Issue/challenge: Impacts of recreation on reservoirs used for drinking water																		
<b>Objective 9. Maximize stakeholder/community involvement and stewardship</b>																		
9. Regional education should be a separate bullet.	x																	
9. Ties into Objective 13. Stakeholder involvement is a key aspect of organizational structure.			x															
9. Make connection between water supply and water quality and environmental quality.		x																
9. Involvement in local community planning groups.			x															
9. Involve and educate public officials about this process.			x															
9. Indian reservations need to be included and involved.			x															
9. Specifically mention school programs/children's education regarding water quality, supply, re-use, conservation, and habitat preservation.	x																	
9. Utilize our conservation centers that drive high guest attendance/school groups to educate low-to-moderate income communities about water conservation and our regional water supply issues.	x																	
9. Need to include higher education institutes. For the second bullet add partnerships with educational institutions (university research).	x																	
7 and 9. Coordinated planning of messages—education between and with stakeholders to provide a more comprehensive coordinated educational process between stakeholders, government, community, schools. Have an annual message (ex. Zoo and Wild Animal Park).	x																	
9. Joint TV commercials and educational materials with local organization (i.e., Keep California Beautiful, etc) to educate community about litter in our watersheds (joint grant funding potential).		x																
9. Disseminate information from data management (Objective 11) to stakeholders.	x																	
9. Foster community support and input and "lessons learned" from adopted groups in each watershed so watersheds can learn from each other via the "Congressional Budget Office (CBO) advisory".	x																	
9. Use list serve to keep people informed and in touch with a question and answer page.		x																
9. Send press release to nine watershed groups to distribute to local communities to update them on progress.	x																	

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9. Create awareness by having watershed signage.		x																		
9. Strike the words "toilet to tap".			x																	
9. Close gap between agencies at the design level and the construction level (ground level and engineers) that are not using BMPs with education.	x																			
9. Is there a place for local incentive programs in this objective?	x																			
9. Relationship to local planning and IRWM.	x																			
9. Stakeholder involvement starts at the watershed level; need long-term involvement especially with long-term planning.		x																		
9. Regulatory instruments in other watersheds can help people understand how and why to change behavior ( e.g. water cops) .	x																			
9. Public needs to be educated about watersheds. Government can support and encourage programs such as Sierra Clubs Canyons Campaign and Groundswell Chollas.		x																		
9. Canyonlands Regional Park should be countywide.		x																		
9. Water Conservation Summit is a great start.				x																
9. Water industry needs to come to terms with its message—do we or do we not have "plenty of water"? If we do not people will be more involved in solutions.				x																
9. User-lead systems, "Web 2.0" approaches and technologies" like "Wiki's" (see Wikipedia.com) can become a basis for developing a managed partnership between ALL stakeholders (not just the three groups putting together this plan).				x																
9. Address the apparent readiness by many developers to abdicate responsibility for success of mitigation efforts if they don't work the first time.				x																
9. Add Parks and Rec to the stakeholder list. Personally invite other "green" minded stakeholders.				x																
9. Include soil and soil stakeholders (the Resource Conservation Districts, and the Association of Compost Producers, and California Integrated Waste Management Board, and UC Cooperative Extension).																				
Objective 10. Promote actions, programs, and projects that are consistent with regulatory standards and priorities																				
10. Change "Promote to be consistent with" to "proactively integrate and reduce the cost of required compliance while you maximize the effectiveness".			x																	
10. Need policy, goals and objectives to reduce impermeable surfaces.		x																		
10. All projects can be tied to this objective; maybe it doesn't need to be an objective but rather a checklist for projects.		x																		
10. Add "sustainability principles" at the end (e.g. carrying capacity).		x																		
10. Change wording—"Complement" regulatory standards rather than "consistent" because the word sets minimums rather than maximizes solutions.		x																		
10. Look at the purpose of the regulations to better address problems.			x																	
10. Look at future as well as existing regulatory requirements.		x																		
10. To minimize costs and time of compliance, but increase effectiveness, there is a need to proactively simplify and integrate standards and requirements from regulatory agencies.		x																		
10. Promote performance-based outcomes from regulators.	x		x																	
10. Look at regulations comprehensively. Use the plan to look at and influence regulatory requirements.		x	x																	
10. Create a Special Area Management Plan, i.e., Otay SAMP.			x																	

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10. Promote regional/watershed BMPs.	x																			
10. Change basic engineering concepts -- ecological engineering treats every site as a mini-watershed; a cellular approach that says each cell is sustainable.			x																	
10. Need ongoing search for "unusual" funding.	x																			
10. We need both carrots and sticks to promote conservation.				x																
10. User-lead data systems for a truly "evergreen" plan updating and implementing process... NOT one that must occur only every 5 years, but one that can occur ongoing. San Diego business community has some of the leading edge info technologists who can provide these new low cost, but highly professional AND democratic approaches to info and people management.				x																
10. Issue/challenge: Drinking water treatment facilities												x								
10. Issue/challenge: Source Water Protection																				
10. Issue/challenge: Recycled Water and Raw Water use for non-potable uses (e.g irrigation)																				
10. Conservation and Public Education—create carrot and stick incentives such as charging for water in tiers (some communities provide a basic minimum for free to all households based on 4 people.). Frameworks for residential, businesses, etc. Make highest usage very expensive; create ways to ensure fairness. Use water cops. After warning, make the fines worth the investment to fix. Monitor bills/ usage and investigate high usage. Focus on restaurants.				x																
10. There is a lack of explicit integration of this Plan with Land-Use Planning and Development. Find a way to give this Plan some teeth and rule of law.				x																
10. Move from "prescriptive" cumulative impacts planning requirements to "performance-based" requirements. Performance-based allows for individual circumstances, integrative watershed-aware choices, and ingenuity – which nearly always leads to lower actual costs, short- and long-term.				x																
10. More time and money should be allotted up-front to strategic and project planning. Double the normal planning and design budget, along with specific instructions to focus on holistic, integrative, and multi-purpose perspectives. About one half of the additional budget should be applied to information gathering and integrative analysis; much of the other half goes to investigating and verifying situation-viability of holistic low-impact solutions (see <a href="http://www.epa.gov/nps/lid/">http://www.epa.gov/nps/lid/</a> ).				x																
<b>Objective 11. Effectively obtain, manage, and assess water resource data and information</b>																				
11. Links to #13.			x																	
11. Instead of just "regional" make sure statement says "consistent monitoring and assessment protocols".	x																			
11. Should data management be its own objective or an underlying strategy of each individual objective?	x																			
11. How is research prioritized around the region? (north versus south, coastal versus inland).		x																		
11. Need to look toward cause/effect modeling. This would come out of a data management system.	x																			
11. Cumulative impacts may require comprehensive and multi-layer analysis.		x																		
11. Impermeable surfaces, priorities, and stressors need to be identified and mapped.		x																		
11. Want the ability to track water volume from source to tap (distribution loss).		x																		
11. Need data shaping approach to see what we are trying to accomplish and identify data gaps.	x																			
11. Resource a top end, cutting edge consultant to search out and help create the data management and the management structure.			x																	

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11. Identify why and for whom and by whom the monitoring is occurring (e.g., Water quality standards differ between DHS and Basin Plan standards).		x																		
11. Data may be required as part of a grant, but not necessarily required to report otherwise.	x																			
11. Keep raw data because interpretation is important.	x																			
11. Data should support research and development of alternative technologies and tools.		x																		
11. Format needs to be meaningful to all and data tracking needs to fit state data management requirements.	x		x																	
11. Need data integration.		x																		
11. Address how information and feedback will be collected dissimulated.	x	x																		
11. Appropriate use of data.		x																		
11. Address how to obtain data from groups not obligated to give information, e.g., Indian tribes and farming community.	x																			
11. Communicate with Mexico on immigration, protection, impacts on the watershed.	x																			
11. How will we get data from the water district that relates to water security (since Cedar Fire and 9/11)?	x																			
11. Co-evaluate the data with other environmental regulators like air boards.		x																		
11. Needs to have a diverse oversight committee with diverse backgrounds for database collection and development.		x																		
11. Create user-driven market-based organization – new way to organize people and data than what we currently operate under (e.g., chaordic.org and Wikipedia).			x																	
11. We clearly need much more stringent regulations with more severe penalties for non-compliance.		x																		
11. Address how some people don't want to bring up their water quality problems because they are afraid of coming forward with problems they cannot solve themselves. Need a "safe harbor" program.	x																			
11. Reduce reporting burden on local agencies.	x																			
11. Data systems can be interactive ongoing... This is doable with today's technology.				x																
11. Issue/challenge: Need comprehensive water quality monitoring program.											x									
11. Issue/challenge: Expanded groundwater monitoring for TDS and bacteria.											x									
11. New information and management systems should be implemented for the SD IRWM Process. Specifically, 1. User-driven, interactive (or democratic) information systems, and 2. Fully Integrated Organizational Management Systems (or "Holarchy").				x																
11. Decision-Making Tools (Early commitment to integrative type decision making tools is essential since tool choice usually predetermines outcomes. Conventional tools can not, by their very design, give integrated results. There are a number of very good sources for tools designed specifically for watershed management.				x																
Objective 12. Support existing plans and projects that optimize the use of resources																				
12. Rather than "optimize the use of resources", say "Support existing plans and projects that optimize meeting the goals and objectives of the IRWM Plan".		x																		
12. Should be its own objective or underlying all the others objectives.	x																			
12. The term "support existing plans and projects" sounds like only water plans; add "and coordinate with other plans" e.g., land use plans, safety plans, air quality plans, energy plans.	x																			
12. Does this tie into Obj. 13?		x																		

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12. Part of the first bullet point should be "simplification" to help folks coordinate projects and to remove barriers.		x																		
12. Formation of a watershed projection district (expansion of flood control district) as an overlay on planning regulations.		x																		
12. "Conflict resolution" should be stated "win-win".		x																		
12. State "maximize" or "enhance" rather than optimize.			x																	
12. How can we increase our chances of getting other grants?	x																			
12. Make sure plan is good for region rather than just good for funding.	x																			
12. Reporting of each individual watershed to regional group needs to be captured here.	x																			
12. Synergies between projects to optimize the resources.		x																		
12. Optimize use of resources for more than just people.		x																		
12. A lot of this is already developed.	x																			
12. The fundamental new management systems that can manage integrated, complex systems in a holistic fashion are already being developed and taught as systems of management called "holarcies". See, again, www.integralinstitute.org for one example of such new management systems.				x																
12. Issue/challenge: Urban Water Management Plans																				
12. Issue/challenge: Recycled Water Master Plans																				
12. Issue/challenge: Integrated Water Resources Plans																				
12. Issue/challenge: Watershed Management Plans																				
12. Mine the web for other watershed planning efforts, including through a wide variety of search words (e.g., climate change, low impact development, green development, regenerative design; there are dozens, each of which brings another aspect). Linda Flournoy volunteered to help.				x																
<b>Objective 13. Establish an organizational structure to update and administer the San Diego region's Integrated Regional Water</b>																				
13. Once an organizational structure is set, the objective is met; therefore, this is a governance issue for the IRWM Plan and should be a chapter in the plan, not an objective.		x																		
13. Bring into the plan all interested parties to address each strategy to get buy-in, consensus.		x																		
13. Incorporate NGOs.		x																		
13. An organization comprised of the members from the watersheds will not represent all areas of discussion and concern to the Region.		x																		
13. Appointments from watersheds may be adequate.		x																		
13. Personally invite interested stakeholders in the planning of this objective so they are part of the decision making.			x																	
13. Need public announcement.		x																		
13. Broaden from CWA to MWD.	x																			
13. Create JPAs or some form of representative government for each watershed which sends a representative to the main group where the responsibility to prioritize throughout Region will occur.		x																		
13. Should use a watershed-up management style, County, City, Water Authority should be members on each "council" and would be elected rather than assigned.	x																			

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13. A governing board should be from the watersheds.	x																			
13. If in the idea brainstorming phase, you don't necessarily need representative government; but if at the decision-making stage to chose and prioritize projects, for example, then need representative structure.		x																		
13. Acknowledge and coordinate existing structures in watershed groups, environmental agencies, and water supply agencies.		x																		
13. Address how decisions will be made and how money will be spent.			x																	
13. Consider other approaches at higher decision level rather than majority rules.		x																		
13. Needs explicit discussion of the consensus process (beliefs and values agreement among the stakeholders).	x																			
13. All have an equal voice.		x																		
13. Should have organizational structure today, not as part of the plan to do later.		x																		
13. Create user-driven approach (flat earth, etc.) includes project management, citizen involvement, data management.			x																	
13. Make explicit in grant process that current structure is temporary and that future of organizational structure will be integrated and holistic. Self organizing, evolving.			x																	
13. Timeframe for 5-year review could be changed to 3 years to be off cycle from California Plan to be more flexible to respond to state changes. State plan can be amended or updated at any time.			x																	
13.What are other regions doing? How are their LANs working? Use them as templates (SAWPA, N. Cal., Oregon).		x	x																	
13. Open up development of the LAN to a working group beyond the 3 agencies to ensure all stakeholders a place a the plan development table.			x																	
13. The "organizational structure" can be organic, flexible, updatable ongoing and is user-lead, or user-driven. The old "command and control", pyramidal hierarchical systems of past government or quasi-government organizations (like water agencies) are decidedly NOT the type of organization that should be used to manage the SD IRWM (See ACP and others at the stakeholder meetings (e.g. www.ca-watersheds.com)) on how to develop new pathways in this direction).				x																
13. Issue/challenge: Gaining consensus of agencies and stakeholders												x								
13. Issue/challenge: Sub-regional steering committees to allow greater direct input from local areas, agencies on regional planning												x								
13. Reference Guide Questions handout should be ongoing. The plan should also be continuously updated.				x																