**CENTRAL DELTA WATER AGENCY** 

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July 29, 2014

## BDCP.Comments@noaa.gov

Re: Draft Bay Delta Conservation Plan and Draft Bay Delta Conservation Plan EIR/EIS DJN Sr. Part Five

This is Part Five of my submittal. It includes submittal on behalf of both Central Delta Water Agency and South Delta Water Agency of Additional Analysis and Comments Set Three, 72 pages.

Yours very truly,

DANTE JOHN NOMELLINI, SR.

BDCP HCP/NCCP	and EIR/S Public Draft Comments	7/28/2014	
Document			
Section	Issue	Comment	
Chapter 3 -			
Alternatives			
	The reader still directed to a website to get	The DEIR/S link did not even point to these items specifically. Websites change, are not a suitable substitute for providing the reader	
	more specific information on the proposed	information and some people do not have internet access. All relevant supporting descriptions should be included in the document,	1
Introduction	project and conservation actions.	not deferred to a website.	
	Reclamation's announcement in the Federal		
	Register that their role in the project may only		1
	be to wheel water through the BDCP facility		1
	fundamentally changes the purpose and need or		1
	the project and changes the conveyance		1
Alternatives	capacity, potential operations and habitat		
identified	restoration requirements.	The project should go back to scoping with the CVP's level of participation defined as only for water wheeling through the facility.	1
		The BDCP Proposed Project includes actions which occur outside of the planning area that was used as a screening criteria. These	
		Proposed Project actions that are outside the planning area include transmission lines, Bear Creek habitat restoration, and others.	
	There were project components included in the	Since the BDCP has violated the concept (fundamentally flawed and indefensible to start with) of confining potential project actions to	1
	Proposed Project that are outside of the	an arbitrarily defined planning area, then any alternative or concept that was in whole or in part dismissed from further consideration	
	planning or project areas that were used as	on the basis of geographic location of the action during the alternatives scoping process should be reinstated and included in a revised	
	rationale to exclude potential project	project alternative. A good example of an alternative dismissed on this flawed and inconsistently applied screening criteria is the	1
	components from further consideration in the	option for additional upstream or downstream storage as an alternative or a component to an alternative - see related comments on	1
	alternatives screening process.	additional storage project alternatives.	
		Funding to continue and expand the Fish Screening Program was included by the BDCP as an other stressor action. This makes the	
	The No Action definition did not include the	proposed project comparison to the No Action condition incorrect and results in the BDCP taking too much credit for this other	1
	existing Fish Screening Program in the delta.	stressor action.	
			1
		Since a simple reoperation to reduce reverse flows in Old and Middle River from CVP/SWP operations resulted in significantly reduced	
		fish salvage which reduces the impact of the project and therefore reduces the need and justification for the BDCP project, reduced	1
		reverse flows with other complimentary modifications to the south delta facilities and operations should be an alternative included	
		for evaluation in the FIR/S. This alternative should include reverse flow restricted operations with other physical modifications to the	1
	The current CVP/SWP operations ordered by	existing CVP/SWP south delta facilities such as, but not necessarily limited to: criteria fish screens; a controlled and reduced fish path	1
	Judge Wanger for limited reverse flows on Old	through Clifton Court Forebay to reduce duration of exposure of fish to predators in the forebay - (see related comment detailed	1
	and Middle Rivers resulted in reduced fish	descriptions): fish behavioral modification devices to manage fish distribution away from the intakes (bubble curtains, acoustic and	1
	salvage at the CVP/SWP south delta numps in	light deterents) and improved fish salvage capture, storage and release facilities and operations. This alternative could also be as a	1
	2012.	first phase of other alternatives so that there is some tangible improvement in fisheries conditions while other longer lead time alternatives are alternatives as the source of the sou	1

		There have been experiments with flows to see how they protect smelt, but no experiments with increased turbidity. Increased	
	High water turbidity is well documented and	turbidity does not cost water supply. It also might allow us to finally dredge some parts of the delta that are in critical need of it to	
	accepted as an important predator protection	restore flow capacity for flood protection. A component for adaptively managing turbidity and monitoring fish survival should be	
	for smelt.	included in the alternative evaluated.	
		There is no "purpose" identified in the EIR/S for the project to include these types of habitats in the restoration plans. The CVP/SWP	
	The BDCP proposes to restore and conserve	projects do not affect these habitats with their operations and therefore there is no "need" to get a take permit for these species. Any	
	"grassland: vernal pool complex: alkali seasonal	affect on these habitat types would be from the conveyance construction or from conversion to aquatic habitat types should be	
	wetland complex: managed seasonal wetland:	avoided and minimized to the extent possible and mitigated for their impacts (which does not require an ITP). Unnecessary inclusion	
	nontidal perennial emergent wetland and	of these babitat types in the restoration plans only increases the impacts of the project. There should be at least some of the	
	nontidal perennial aquatic: and cultivated	alternatives considered in the FIR/S that do not include these habitat types so that the impacts for including an aspect of the project in	
	lands "	the score that does not address an identified need or nurness can be quantified and isolated	
	The 75940 Enderal Register / Vol. 78 No. 240 /	There is a mantion of Paclamation who ling water in the EUP (sin the project dorse to a mantion).	
	Friday December 12, 2012 states that	There is no mention of reclamation whereing watch in the Endy and the project description, rulp be and week of in the enternatives.	
	"Declaration new play make decisions	This is a critical omission from the document, in Activation where water through the facilities, it will not have owner sing of the	
	Reclamation may also make decisions	facilities of need incidental rake Permits. In Reclamation is only wheeling water through the facilities, what justifies Reclamation's fole	
	regarding wheeling CVP water through new	as a co-lead rederal spency and more importantly for being a cost share partner in the environmental planning process (over \$110	
	Delta conveyance facilities" -	million to date and counting)?	
	The conveyance alignment was biased to take		
	lands under a Williamson Act contract in order		
	to acquire rights-of-way for the BDCP based		
	primarily for the lower cost of acquiring land in	BDCP needs to demonstrate there is no other outside the Williamson Act preserve on which it is reasonably feasible to locate the	
	/ / / / / / / / / / / / / / / / / / / /		
	an agricultural preserve.	facilities.	
	an agricultural preserve.	facilities. Alternatives identified, but not considered or not given adequate consideration in the alternative development process include:	
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	Many aspects of the alternatives formulation were predecisional.	Most of the habitat restoration components included in the alternatives were identical. The BDCP did not include any variations in restoration design (e.g. sediment contributing or capturing), size, location, and implementation sequence and combinations which is very limiting to the analysis of alternatives and is therefore predecisional on the part of the project and the lead agencies. Not including permutations of the restoration design thwarts the purpose of the alternatives and environmental review process to identify the impacts of various project alternatives. The BDCP has similarly been predecisional by only including one type of intake design, one intake size and 5 intake locations. The BDCP did not evaluate a broad enough range of geographic distribution of intakes either and confined its intakes to one river reach. If most of the alternatives are exactly the same in many important aspects (restoration and intakes), then some of the most important aspects of the project are effectively not evaluated or compared. The BDCP needs to reformulate their alternatives to include permutations of alternatives that do explore real variations in these important project compo	
	The BDCP did not utilize sufficient supporting or consistent rationale for dismissing potential	An EIR is required to include an in-depth discussion of those alternatives identified as at least potentially feasible. (Preservation Action Council v. City of San Jose (2006) 141 Cal.App.4th	
	project component.	1336,1350-1351; Citizens of Goleta Valley v. Bd. of Supervisors (1990) 52 Cal.3d 553, 569.)	l
Level of analysis - project vs. programmatic	It is inappropriate to piece-meal the project and environmental documents by doing the conveyance at a project level of specificity and the habitat restoration at a programmatic level as the BDCP has proposed.	Most programmatic documents are for things like County General Plans which are a compilation of different projects and are blue- prints describing an envelope of potential action and scope. The BDCP project is very different from what a programmatic document should be. The BDCP habitat restorations are required in order to issue permits for the construction of the tunnel. The specific design characteristics of the aquatic habitat restorations have profound impacts on water quality and therefore operations. In addition to design specificity for the aquatic restorations, he interactions of the implementation sequence and characteristics of the change of hydraulic complexity (drainage characteristics) of intertidal habitat must be defined at a project level of specificity to determine water quality and operational affects. Therefore the habitat restorations are every bit as much a part of the core of the project as the proposed tunnels.	
	The level of certainty of funding is insufficient to justify the agencies issuing permits on the project.	The BDCP sources of funding for large parts of the project (bond issuance from each of the water agencies for the construction and operations of the conveyance, and funding from tax payers and public resource agencies for habitat restorations) are uncertain and unreliable. Their has been no tax proposed or funding source identified for the public resource agencies to pay for the habitat restorations. If any of the water agency or public resource agency funding sources fail, then the project will fail to meet its commitments and a level of species conservation that would warrant issuance or incidental take permits will not occur. Given the number of water agencies and public resource agencies involved in the funding and each one critically responsible, there will be at least 50 opportunities for funding to not be successful. Only if all of the funding efforts were successful would the BDCP fulfill its commitments. Given this simple math, it is far more likely that the BDCP will fail to raise all the funding to implement the project as planned than it is that they will be 100% successful. The BDCP has not even proposed contingency funding back-up plans such as the w	

	The BDCP EIR/S makes repeated statements in various sections regarding the potential reuse of tunnel spoils for habitat restoration, levee improvements and addressing subsidence on islands	The BDCP has provided no chemical or physical characterization of the tunnel spoils or supporting core and geotechnical sample analysis of the strata that would be bored through or analysis of their suitability for these proposed purposes. Tunnel spoils may contain contaminants (see related comments) and may render them utterly unsuitable for any reuse and may be required to be disposed of as a class one material. Tunnel muck is treated with a handling material to make them flow for handling and turns the material into a toothpaste-like consistency. This likely renders the tunnel spoils unsuitable, permanently, for any structural application such as levee improvements. The tunnels were proposed by the BDCP to be analyzed at a project level of detail and yet the tunnel spoils handling and disposal are clearly analyzed at only the barest of sketches of a programmatic analysis. Tunnel spoils are an integral component and requirement of the proposed project construction and therefore must also be analyzed at a project- level of detail if the pronosed project is to be issued construction-celated nermins. How and where the tunnel sonils are discosed of m	
	comment continued	If the materials need to be moved to greater distances, to farther distant habitat restorations or levee improvements (as the BDCP has proposed, but not defined or disclosed), then there are greater air quality and traffic impacts. If tunnel spoils have to be disposed of as a class one material due to contaminants (which the BDCP has not analyzed), then there are a multitude of impacts which the BDCP EIR/S has not considered - see related comments. In order to develop a project-level analysis of the tunnel spoils and use the best available science in evaluating the impacts of the tunnel spoils. The sampling and characterization of the soil conditions that the tunnels will bore through must be of sufficient density and representativeness along the length of the proposed tunnel alignment that a statistically reliable interpolation of sample results an be conducted, e.g. NI 43-101 complicat. Only with this level of data collection and analysis can the BDCP evaluate impacts at a project-level. Once this level of analysis has been completed, then the BDCP EIR/S can	
	The BDCP EIR/S does not disclose the current deficiencies in the safety regulation compliance of the Clifton Court Forebay. (see related comments)	The Clifton Court Forebay is not currently compliant with Division of Safety of Dams (DSOD) structural requirements. The BDCP proposed project includes modifications to the forebay (BDCP EIR/S Figure M3-4 page 11 of 15). BDCP proposed modifications of the forebay triggers a DSOD compliance requirement event. The BDCP does not disclose what components and costs of the proposed modifications of the forebay are to bring the deficient facility into current compliance. The BDCP EIR/S must be revised to include these material disclosures.	
Scoping Report part 1			

		The title of section 2.2.3 is "Project Area" and the first sentence of the section refers to the "Planning Area". This representation is inconsistent with how these terms are defined and used in different document sections. The EIR/S provides no justification for the geographic limitation of the planning area in which it considers where potential actions could be taken as part of the alternatives development process - see related comments. This section says, "The EIR/EIS project area may be different than the proposed BDCP reorgraphic scope to appropriately evaluate impacts of the proposed BDCP and alternatives." This is correct, but then the scoping	
		document goes on to exclude potential project alternatives and alternative components from further consideration for the fact that	
		they would occur outside of this artificially constrained and unsupported geographically constrained potential area of action. The	
section 2.2.3	Area" interchangeably.	appropriate screening criteria. Any alternatives that were eliminated from further consideration due to geographic location should be	
2.2.5	The section identifies a range of fisheries species conservation measures, but fails to include modification of the existing south delta diversion facilities screens to improve fish protection.	Adaptation of the screens to improve fish protection has been studied several times prior to the BDCP scoping, e.g. CALFED, and therefore these concepts were readily available for consideration and inclusion in the BDCP EIR/S scoping development process. Although many concepts to improve the screens to improve existing CVP/SWP fish protections (see related comments) and mandate for improved protections of fish from the screens (see FWS and NMFS OCAP Biological Opinion Reasonable and Prudent Actions), the BDCP failed to include consideration of this obvious project alternative. The improvement of the existing screens as a component of the BDCP EIR/S alternative should be included in a revised draft EIR/S.	
2.2.5	"Three general conveyance concepts identified in the 2009 NOP and NOI include: (1) a dual conveyance alternative; (2) an isolated facility alternative; and (3) a through Delta alternative."	Where in the scoping process and administrative record was the concept of the tunnels introduced? Please provide documentation that the tunnel conveyance concept was identified and documented during the public scoping period. If it was not identified during the public scoping period, then the project has violated the scoping process and scoping should be reopened to allow other additional options to be introduced and considered.	
2.2.5	"New points of diversion in the North Delta <u>could</u> (emphasis added) be located along the Sacramento River between Sacramento and Walnut Grove."	The BDCP never provided justification for the artificial constraint of the potential locations of the diversions. This geographic constraint is predecisional and arbitrary. The wording of this EIR/S statement and the language used in the NOI and NPO is clearly predecisional. Some other proposals put forward during scoping included diversions at other locations, .e.g. at Fremont and Sacramento Weirs for the Sacramento Deep Water Ship Channel as a potential conveyance component - see related comments; distributed intakes in the west, central and east delta - see related comments. The Fremont and Sacramento weir diversion locations have the benefits of being outside of the tidal prism that affect downstream location diversion operations, would avoid exposure of the American River salmonids to the screens and is upstream of the range of the delta and longfin smelt so they would also avoid exposure and harm from the screens. The distributed intakes concepts are deep in the tidal prism, but have the operational advantage of being distributed so that when species of concern are located in one part of the delta those intakes could be shut down a	

Table 3-1	The table identifies categories of comments	Of all the comments received, the BDCP EIR/S claims that there was not even one comment received that was relevant to the conveyance location, conveyance types, conveyance capacity, diversion locations, intake types, or any other conveyance engineering or design attributes or options. The BDCP did not identify all the comments received related to the conveyance as a category because the BDCP had already decided what they wanted to build and where it was going to be located (see preceding comment on predecisional bias in the scoping process). As an example, the concept of the use of the Sacramento Deep Water Ship Chanel as a conveyance option as proposed by John Garamendi and Peer Swan as introduced during scoping. What unrepresentative category was that comment filed under? As an example, on page 637 of the Scoping Report, CCWD makes a comment and lated May 30, 2008 has a while section of the letter dedicated to conveyance alternatives and design characteristics. Where are these comment propresented and how were these concepts addressed in the alternatives development and screening process?	
Table 3-1	received during the scoping process.	represented and how were these concepts addressed in the alternatives development and screening process? The categories used on	
321	The EIR/S has a section titled "3.2.1 Scoping Process and Future Participation in the EIR/EIS Process Concepts", but the entire scoping report never discloses the alternatives development and screening process that was used.	Instead of explaining the process used for scoping as the section title promises, the content of the section only lists they numbers and sources of comments received. The EIR/S and Scoping Report does not disclose the process in which alternative concepts identified in the scoping process were developed into alternatives. On what basis and process were concepts treated and how were they determined to be combined into an alternative or not? What were the screening criteria and where is the documentation of how each concept was treated? There should be documentation of each of the concepts identified in scoping. These individual concepts as they should have been captured were not presented in the scoping report. The screening and evaluations criteria should be clearly tied back to and supported by the Purpose and Need and Project Objectives identified in the NOI/NOP and in Chapter 2 of the EIR/S. The BDCP EIR/S document does not disclose the evaluation criteria or provide supporting trionale for how they relate to the project objectives and needs. If the appropriate NFPA and CEOA alternatives development and screening process had been followed.	

		The BDCP made substantial changes to the proposed project after the public scoping period for the EIR/S was completed. Substantive changes included changing from a eastern or western surface conveyance to two underground tunnels, substantial operational rules changes, changes in locations of and which habitat restorations were being proposed (southeast delta habitat restorations were dropped). This means that the project that the public was allowed to propose alternatives to was substantially altered after their opportunity for input into the process. To make this violation of NEPA and CEQA scoping requirements worse, the BDCP EIR/S entertained and evaluated alternatives from selected parties long after the public scoping period was closed - see documentation in appendix 3A, e.g. Pyke alternative, Garamendi alternative, etc. This favoritism and bias in the process for certain favored parties is in direct conflict with NEPA and CEQA requirements and acceptance of information from private parties outside of the public review	
3.3	BDCP HCP/NCCP plan	process that influences policy or decision making information violates federal advisory contracting rules (FACA) in this case. The BDCP	
3-27, line 18	The tunnel description has changed.	The BDCP alt4 tunnel diameter, length and pumping vs. gravity feed project description has changed substantially since this public draft. These are material changes that alter tunnel muck disposal volumes and disposal area size, air quality from construction, volumes of cement, traffic loads and energy resource-related impacts. All impact analyses that relied upon the out-of-date project description of the tunnel are in error and must be redone. The EIR/S must be revised to correct these errors and recirculated for public comment.	
3-28, line 27	The forebay descriptions have changed.	The BDCP tunnel forebay and Clifton Court Forebay modification/expansion location and size description has changed substantially since this public draft. These are material changes that alter grubbing impacts, construction footprint of disturbance, disposal volumes and disposal area size, air quality from construction, and energy resource-related impacts. All impact analyses that relied upon the out-of-date project description of the forebay are in error and must be redone. The EIR/S must be revised to correct these errors and recirculated for public comment.	
3-31, line 40	"How much of the Delta inflow can be exported at the south Delta CVP and SWP pumping plants?"	This is identified as a primary objective of the proposed CVP/SWP operations and yet, the impact analysis call related to exactly this criteria was "No Determination". Since the BDCP failed to be able to make a determination, then the BDCP proposed project has failed to meet this primary objective and answer this primary question.	

		The BDCP is saying that fish protections would be provided by operating the screens in a manner that provides for screen criteria	
	"Fish protection at the proposed BDCP north	compliant approach and sweeping velocities. These are screen criteria are instantaneous and continuous measurements, not based	
	Delta intakes would also be provided by	on daily, weekly or monthly averages. Then the BDCP says it uses "daily or monthly rules" for north delta diversions. The BDCP makes	
	operational parameters that are screen	it sound like the screen criteria compliance operations are integrated into the monthly CALSIM modeling, but they are not. The BDCP	
	approach velocity and sweeping velocity	is saying that they will operate to screen criteria, but those operations of ramping diversions up and down with changes in tidal flow	
	requirements. General daily or monthly rules	velocities at the screen face to stay compliant with approach and sweeping velocity criteria have not been modeled and there is no	
	for maximum allowable north Delta diversions	diversion operations model that has any feedback loop into the CALSIM model. The assurance by the BDCP that the project will	
	were incorporated into the CALSIM modeling of	operate to screen criteria is only that, an unsupported commitment with absolutely no analysis or proof. The BDCP does not even	
3-34, line 6	each BDCP alternative."	know if they can operate in a screen criteria compliant mode and meet the CALSIM water operations that they have proposed and ana	7

		If the maximum compliant diversion volumes aggregated on the monthly basis were higher than the CALSIM target for the north delta	
		diversions, then the operations can be proven to be compliant with the first screen criteria and that the CALSIM model results used in the EIR (S analysis were correct. The BICP failed to provide this proof that the north delta diversions can be operated in a first screen screen criteria.	
		compliant manner or that the CAI SIM modeling results that determine north delta diversion monthly volumes are correct and suitable	
		for use in the EIR/S analysis. If the monthly aggregated maximum compliant diversion volumes are less than the CALSIM model results	
		used in the EIR/S analysis, then either the north delta diversions would have to be operated in a manner that was not fish screen	
		compliant or the water operations that the BDCP did the EIR/S analysis on a model result that they cannot operate to. Unless the	
		BDCP can prove that the north delta intakes can be operated in a screen compliant manner and that actually results in the same	
	Comment continued	operations as the BDCP EIR/S used in their analysis, the entire water operations and water operations dependent impact assessments and the second sec	
		If the BDCP had not incorrectly dismissed, north of delta, in-delta and south of delta storage, there could have been a "sip vs. gulp" set	
		of operations that would attempt to divert more water in the winter high flows when there is less environmental conflicts and less	
		diversions during the summer when environmental contricts are the highest. Since the BUCP wrongly dismissed the storage	
		alternatives with their predecisional and unsupported geographic constraint and the storage alternatives require fundational the defaustion of the defaust o	
3-35. line 18	The BDCP is missing a Scenario	any as they reasonably meet the densitie portions of the identified purpose and need, the boor must also include the sip vs. guip operations scenario for the revised FIR/s analysis.	
		This statement is a representation of Reclamation's role in the project that is inconsistent with Reclamations Notice of Availability	
		post in the Federal Register dated December 13, 2013. Reclamation indicated that it may or may not have a role in the project and	
		may or may not wheel water through the facility. This is very different from this BDCP representation and Reclamation's role either as	
		a joint owner operator of the facility or wheeling or not wheeling water through the facilities and has significant implications on the	
	"Reclamation's action in relation to the BDCP	environmental impacts of the project. As an example, if Reclamation is neither a joint operator or a wheeler of water through the	
	would be to adjust CVP operations specific to	BDCP facilities, then the amount of water diverted at peak operations would be reduced by over 6,000 CFS. Any change in	
	the Delta to accommodate new conveyance	Reclamations role from full partner in the facilities would mean that all of the operations modeling and the dependent impact	
	facility operations and/or flow requirements	analyses done in the BDCP EIR/S would be wrong and need to be redone. Reclamation has to specifically define its role and	
3-40, line 25	under the BDCP"	participation in the project and the BDCP project must be revised to reflect that role and the impact analysis redone to evaluate the im	

	"Additionally, as noted above, each action	This is a core problem with the "alternatives" evaluated by the BDCP in the EIR/S. The alternatives were all composed of minor variations of water conveyance facilities. As an example, all of the north delta diversion alternatives all selected from a set of 5 potential intake sites with a single type of intake design considered. There were no alternatives with intake locations that occurred either farther upstream or downstream from these 5 sites or that considered in-river type intake designs. There were some variances	
	alternative would include operational criteria	in operations alternatives, but they only included or excluded X2 in any meaningful difference. All of the rest of the components that	
	for the water supply infrastructure, habitat	make up the alternatives were almost identical in every way. In one case there was a little more or less habitat restoration. All of the	
	conservation components, and measures to	Other Stressors actions were exactly the same for all of the alternatives. These alternatives could potentially be considered a	
3-40, line 34	covered species."	as a reasonable range of alternatives for all of the other components that make up the alternatives (i.e. water operations, habitat resto	
	physical conveyance facility		
	infrastructure/improvements, the locations of		
3-41, line 24	facilities, and diversion capacities."	Yes, that is exactly the problem with the lack of range of reasonable alternative - see the preceding comment.	
		Here is another problem with the alternatives definitions. The No Action assumes that the agencies would not alter their operations	
		or water delivery contracts in the face of climate change. The state and federal agencies that are the same lead, responsible and	
		cooperating agencies for the EIK/S are all studying climate change in anticipation for the need to take action and adapt their operations to it. There are already policies in place for how climate change will be addressed by these agencies. The BDCP incorrectly,	
		assumes that under the No Action, there will be no operating response to the climate change the agencies are already preparing and	
	"the No Action Alternative may be described	planning for. It is not reasonable for the BDCP to assume that the future no action operations would just sit on their collective hands	
	as the future circumstances without the	and do absolutely nothing in response to the climate change impacts. The advantage the BDCP is giving the proposed project over the	
	proposed action and can also include	No Action is that they assume operational responses to climate change that can also be done under the No Action. This assumption	
3-41, line 31	predictable actions by persons or entities"	by the BDCP is designed to make the proposed project look better as compared to the No Action. MBK's comments on the BDCP EUR/	

	"When the proposed action involves updating an adopted management plan or program, the No Action Alternative includes the continuation of the existing management plan or program. The CEQ suggests that the No Action Alternative	Climate change is a current program for DWR. It has the Climate Change Action Team, so adapting operations under a changed climate is within existing plans and policies. The current BDCP modeling shows the CVP/SWP reservoirs being drawn below their respective river valve outlets 1 year out of 12 - see related comments. There is no way in the real world that operations would be allowed to result in such a consistent catastrophic outcome. There are already agreements in place for each of the reservoirs that allow for fisheries and water agency consensus decisions to avoid reaching a point where no water can be released from the dam	
	may provide a benchmark that allows decision	because water levels were allowed to go below the river outlets. The BDCP has assumed that there would not be any actions from	
	makers to compare the magnitude of	these existing agreements to avoid these impacts. The reason the BDCP No Action assumption error is important is that the lack of	
3-41. line 35	(46 Fed. Reg. 39 18026 [March 23, 1981])."	reaction to climate change completely overshadows the impacts of the proposed project and other alternatives. The BDCP EIR/S makes this statement repeatedly that the amount of change from the project is so small as compared to the climate change impact as	
3-41, line 35	"Accordingly, this EIR/EIS uses the No Action Alternative as the point of comparison for determining impacts of the federal action under NEPA."	This is correct, but that is not how the impact analysis was conducted in this EIR/S. The No Action has impacts and the impacts of the proposed project are treated as being the same quantity. If the NEPA No Action comparison were being done correctly, the EIR/S would have disclosed that the impacts of the proposed project and alternatives are in addition to those that occur under the No Action. As an example, if the No Action impact on a species was determined to be "Significant" because it adversely modified 100 acres of critical habitat and the Proposed Project had exactly that same 100 acre adverse affect, the correct impact call would be "No Effect". When the BDCP makes an impact call and presents the results they do not make it clear that the impacts reported on the Proposed Project are in addition to the impacts of the No Action. Back to the example - if the proposed project or alternatives also has a "Significant" impact, that impact is in addition to the impact of the No Action. although the quote is correct, that is not how the impact calls are presented and interpreted in the EIR/S. This misrepresentation of the comparisons to the baseline must be corrected.	
3-42, line 1	"The CEQA baseline for assessing significance of impacts of any proposed project is normally the environmental setting, or existing conditions, at the time a Notice of Preparation (NOP) is issued (State CEQA Guidelines Section 15125[a])."	This is correct, but this is not how the BDCP defined their baselines for comparison for the impact analysis in the EIR/S. All of the project alternatives comparisons were against the No Action, which the BDCP incorrectly claims is the exact same condition as the No Project. The No Action, No Project and Existing Conditions are all different. The existing condition has not implemented the OCAP BO RPAs that were mandated, but are obligations of the CVP/SWP to implement so they meet the test of reasonably foreseeable and the execution of currently accepted commitments and management plans of the CVP/SWP. Since the Existing Condition and the No Project are both different than the No Action and the BDCP mast redo the impact analyses with the correct comparisons required by CEQA.	

	"For this analysis, the No Action Alternative		
	assumptions are limited to Existing Conditions,		
	programs adopted during the early stages of	A glaring omission from this list is the inclusion of the current CVP/SWP legal obligations to implement the OACP BO RPAs. The BDCP	
	development of the EIR/EIS, facilities that are	is consistently unclear as to the inclusion of these current CVP/SWP legal obligations under the No Action and No Project. The way the	
	permitted or under construction during the	BDCP represents it, the OCAP BO RPA obligations are conflated with the proposed habitat restoration actions. In some cases, what	
	early stages of development of the EIR/EIS,	the BDCP has proposed is exactly what they are already obligated to do (so no credit towards contributions to conservation should be	
	projects that are permitted or are assumed to	given, but they appear to be - see related comments). In other habitat restoration actions, the BDCP has proposed to do some	
	be constructed by 2060, and changes due to	incremental action on top of or in addition to the current CVP/SWP OCAP BO RPA obligation. This conflation of the current	
	climate change and sea level rise that would	unimplemented OCAP BO RPA obligations that belong in the No Action and No Project with the proposed project actions makes these	
	occur with or without the proposed action or	project alternative comparisons corrupt and useless as an environmental disclosure document. The BDCP must clearly separate	
3-43, line 14	alternatives"	current obligations yet to be implemented into the correct baselines for comparison from the proposed project actions in the EIR/S an	
	"These assumptions represent continuation of		
	the existing plans, policies, and operations and		
	conditions that represent continuation of trends	Emphasis added on the quote was to highlight that operational adaptation of the CVP/SWP to climate change should definitely have	
3-43, line 20	in nature."	been included in the No Action and No Project definitions - see related comments.	
	"Because the BDCP No Action Alternative		
	assumptions are consistent with the	Inis BUCP declaration that the No Action and No Project are the same is unsupported. The BUCP describes, Vaguely, what the	
	CEOA from this point forward in this document	requirements are or each, out rais to establish that the elements that make up the No Action are the same as what would make up the No Action. The DECD needs to divide and domentate the the No Action.	
	the No Action Alternative also represents the	the NO Project. For each element that is included in the NO Action, the BDCP needs to disclose and elements due that the NO Project	
2-12 line 22	No Project Alternative "	elements are exactly used as the other is not made this discussion so it is impossible for the reader to do this analysis for themselves or challenge the DPC on the details of the details of	
5-45, IIIC 25	No Project Alternative.	the missives of enamenge are back on the access of the deministry ignore these legal commitments if they don't hannen to have been	
		and content of the second between the second s	
		milestones so if DWR and Reclamation had been compliant with the OCAP BO RPA implementation mandated schedule the actions	
	"The anticipated effects of actions required by	would have been developed enough to model and estimate impacts on. Another problem with this BDCP FIR/S quote is that it	
	the 2008 and 2009 BiOps that have already	presumes approval of the BDCP and that is predecisional. Another problem with this predecisional assumption is the BDCP does not	
	occurred or are expected to be implemented	know for certain if or when the BDCP would be approved. The BDCP is already 5 years behind their original schedule to complete the	
	prior to BDCP approval are assumed in the No	environmental review process and receive and NOD and a ROD on the EIR/S, so the EIR/S is almost certainly wrong about what date it	
3-43, line 33	Action Alternative."	though the cutoff would be for this erroneous line of logic.	

	"The anticipated effects of actions required by	Emphasis added - all of the OCAP BO RPAs are reasonably certain to occur because they are the current legal requirement and	
	the 2008 and 2009 BiOps that change water	obligation of the CVP/SWP. The OCAP BO RPAs will remain reasonably certain until they are legally overturned or legally superseded	
	operations in the Plan Area or upstream were	and not a day before. BUCH has based their speculation that some KHAS may not be included in the NO Action based on another process the Remand EIS (that is farther babind in process than the RDCP) and that it might or might not supersed some of the	
	were reasonably certain to occur and enough	current OCAP BO RPA legal requirements. As stated before, the BDCP must include all of the OCAP BO RPAs in the No Action as they	
	was known about the effects of the action in	are the current legal requirement of the CVP/SWP. The BDCP EIR/S quote then claims that some actions were not included in the No	
	early 2010 (when the No Action Alternative for	Action because they lacked sufficient detail to model. Many of the RPAs have scheduled implementation or planning/development	
	hydrodynamic modeling was established) to	milestones, so if DWR and Reclamation had been compliant with the OCAP BO RPA implementation mandated schedule, the actions	
	define modeling assumptions for the change in	would have been developed enough to model and estimate impacts on. DWR and Reclamation could have also engaged their federal	
3-43, line 36	water operations."	co-leads on the BDCP, NMFS and USFW, that issued the OCAP BOs in consultation to develop the detail sufficiently such that the RPAs in the RPAs	
	"The anticipated effects of some actions		
	required by the 2008 and 2009 BiOps in the Plan	The BUCP is saying that they have included or excluded elements of the OCAP BO RPAs and included or excluded them from the No Action and Dependent will and without expert that there are all No Action along that the comparts have builded in the Dependent	
	strategy in some cases these actions are	Action and project or by provide a second with our region of the tables are an involution action relements that cannot be included in the proposed project. By including these actions in the Pronosed Project the BCP is taking credit for contributions toward conservation that are	
	included in the No Action Alternative and in	existing legal obligations of the project under the No Action. This makes the No Action look worse and the Proposed Project look	
	other cases they are not. A key reason for these	better in the EIR/S than they actually are. The key reason given for their assumption is based on a predecisional that the BDCP will be	
	assumptions is	approved by the lead, cooperating and responsible agencies; that there will be a Biological Opinion based on the approved BDCP; and	
	that the 2008 and 2009 USFWS and NMFS BiOps	that the fisheries agencies will write the BO in such a way as the BDCP would replace the current BOs in their entirety. These are	
	will be superseded by the BDCP and associated	unsupported and wildly biased and predecisional assumptions that must be retracted and revised. Because USFWS and NMFS are	
3-43, line 41	BIOps."	federal leads on the BDCP and approved this public draft for release, these agencies must have agreed with these predecisional elements	
	"As described in Chapter 1, Introduction, the		
	current operation of the CVP/SWP is governed		
	by requirements that include the 2008 and 2009		
	BIOps. The requirements of these BIOps may be	Vaci the current CVD/SWD expertion is distated by the current OCAP BO PDAs. The fact that the BO smarphe modified in the Remand	
	process, depending on the schedule approved	Tes, the context of the second state of the context of the second state of the second	
	by the court. The new operation of BDCP will	current operating requirements in the hopes that some other process may or may not change them in the future. The rest of this	
	occur once the new north Delta intakes are	BDCP EIR/S quote represents pure predecisional bias. There are other alternatives that do not have north delta intakes, so clearly the	
	constructed. Once the new intakes are	BDCP is anticipating that the alternative they proposed will be the one selected and implemented. It is not a foregone conclusion that	
	operational, the BDCP and any corresponding	the BDCP, if approved, would replace the current OACP BO s, so this statement by the BDCP is also predecisional. Only USFWS and	
	BiOps will replace the then-current BiOps for	NMFS have the authority to determine, at a future date after the BDCP is approved, if the BDCP would be the basis for a new BO and	
3-44, line 3	long-term operation of the CVP/SWP."	that BO would supersede the current in full force and affect BOs in part or in their entirety.	

	"Examples of effects assumed in the No Action		
	Alternative, but that are also associated with		
	RDCD concernation measures include the		
	BDCP conservation measures, include the		
	effects of operations of the Delta Cross-Channel		
	Gates (NMFS Action IV.12) and those related to		
	measures to reduce entrainment at the south		
	Delta export facilities (NMFS Action IV.3). An		
	example of the effects of actions that are		
	attributable to the BDCP and not assumed in the		
	No Action Alternative include Yolo Bypass		
	improvements and tidal marsh restoration		
	(NMES Actions   6.1.   6.2. and   7. USEWS Action	Yes, these are all great examples of OCAP BO RPAs that are current legal requirements of the CVP/SWP under the No Action that were	
	Reasonable and Brudent Alternative	incorrectly included in and any consequation credit accrued to the Proposed Project. These actions must be deleted from the	
2 44 line 0	Component 4) "	Inconnectly included in and alty conservation credit actual to the hoposed roject. These actions hits to detect and another the descriptions and applying and applying and added to the Ne Action alternative descriptions and applying	
5-44, IIIe 9	component 4).	Proposed Project and alternatives descriptions and analysis and added to the NO Action alternative description and analysis.	
	"In some cases, RPA actions also included in	Great, this is what alternatives are supposed to be all about. The problem is that the BDCP did not include the legally required OCAP	
	BDCP were modified to take into account new	BO RPA in the No Action as it was defined in the BO. If it had done that and then proposed an alternative plan detail for	
	scientific information available since the BiOps	implementation then the affects of the Proposed Project could have been evaluated and disclosed. As the BDCP has done it, this	
	were issued, or additional planning done for	artion is omitted from the baseline and modified in the Proposed Project so the difference that is measured in the comparison is doing	
	RDCD howard what was developed for the	the medified present activity dates and this content we draw the bacelines and applicits extractly which have disclosed	
	BDCP beyond what was developed for the	the mouned proposal against doing nothing from correctly is, doing the baselines and analysis correctly which would have disclosed	
	BIOPS. Examples of this include CM16 Non-	the incremental impact or benefit of doing the proposed project action against the current legally required action as it was defined in	
	physical Fish Barriers, which is similar to, but	The BU. Inis action (and the others the quote implies, but does not disclose) must be included in the No Action as written in the BO	
	much more defined and specific than, NMFS	and included as the BDCP has proposed in the Proposed Project so these impacts can be evaluated and disclosed. This OCAP BO RPA is	
3-44, line 16	Action IV.1.3."	a good example and precedent of the due diligence that should have been applied to all of the OCAP BO RPAs that needed further dev	

	recommendations of these future studies.	environmental impacts of them could be evaluated in the No Action alternative and such that the BDCP EIR/S could have proposed	
	recommendations of these future studies.	environmental impacts of them could be evaluated in the No Action alternative and such that the BDCP EIR/S could have proposed	
	Examples include fish passage over SWP/CVP	alternatives to those actions. As the BUCP has done this EIK/S analysis, these actions are excluded from the No Action impact analysis, no alternatives to those RNA actions are proposed and the C/I/C/I/I impacts of length users and therefore reasonable forecasted and the C/I/C/I/I impacts of length and therefore reasonable forecasted and the C/I/C/I/I impacts of length and therefore reasonable forecasted and the C/I/C/I/I impacts of length and therefore reasonable forecasted and the C/I/C/I/I impacts of length and therefore reasonable forecasted and the C/I/C/I/I impacts of length and therefore reasonable forecasted and the C/I/C/I/I impacts of length and therefore reasonable forecasted and the C/I/C/I/I impacts of length and therefore reasonable forecasted and the C/I/C/I/I impacts of length and therefore reasonable forecasted and the C/I/C/I/I impacts of length and therefore reasonable forecasted and the C/I/C/I/I impacts of length and therefore reasonable forecasted and the C/I/C/I/I impacts of length and therefore reasonable forecasted and therefore reasonable actions are reasonable at the C/I/C/I/I impacts of length and therefore reasonable reasonable forecasted and the C/I/I/I/I impacts of length and therefore reasonable forecasted and the C/I/I/I impacts of length at the C/I/I/I/I impacts of length at the C/I/I/I impacts of length at the C/I/I/I impacts of length at the C/I/I impacts of length at the C/I/I/I impacts of length at the C/I/I impacts of length at the C/I impacts of len	
2-44 line 20	terminal dams such as Shasta (NMFS Actions	no alternatives to these KMAS are proposed and the CVP/SWP impacts of legally required and therefore reasonably foreseeable actions have not been included in any of the impact analyses of the RDCD EIP/S	
5-44, iiie 20	NF4.4 aliu LF2).	have not been included in any of the impact analyses of the BDCP Encys.	
		This is an inappropriate way to treat the No Action baseline definition. All of the OCAP BO RPAs, which are current legal requirements	
		of the CVP/SWP, must be included in the No Action alternative description and analysis. Once No Action elements have been analyzed	
		and disclosed in the EIR/S, then it can be determined that reporting, monitoring and research actions don't have impacts. We agree	
		that reporting does not have impacts, but strongly disagree with the BDCP's supposition that monitoring and research cannot. As an	
	"Requirements of the 2008 and 2009 BiOps that	example, seine trawling to sample for smelt presence and distribution results in take and mortality of the fish. It is possible, and a real	
	involve reporting, monitoring, or research	risk, that these fish could literally be monitored into extinction by seine trawling. It is highly inappropriate for the BDCP EIR/S to have	
	actions are not assumed in the No Action	dismissed monitoring- and research-related OCAP BO RPAs from analysis of possible impacts in both the No Action and Proposed	
	Alternative because they are not expected to	Project and alternatives. These actions must be included in the analysis and let the analysis prove or disprove the impacts (or lack	
3-44, line 28	affect the environment or covered species	thereof) and disclose it in the EIR/S rather than making this unsupported and incorrect assumption of no impacts.	
	"At the time the 2009 BiOp was issued the BBA	Vas the OCAP BO PRA lacked sufficient detail to hydrodynamically model, but the implementation plan, that the BDCP statement	
	actions (NMES Actions   6.1   6.2 and   7) did	Tes, the OCAP do the Andrea sufficient detail to hydrodynamicany model, but the implementation plan, that the Doce statement implies it completed on time almost 2 years before the public draft EIR/S release should have. Even if the operations required parts of	
	not contain detail sufficient to include them in	The description were incomplete because DWR and Reclamation failed to meet their legal obligations to provide these	
	the hydrodynamic modeling or to determine the	implementation plans by that date (see related comments), there was still sufficient information in the OCAP BO RPAs to analyze them	
	future effects of the actions. Action I.6.1	at a programmatic level of detail in the No Action. The BDCP EIR/S did not do this and instead analyzed these current legal obligations	
	required Reclamation and DWR to submit to	of the CVP/SWP at a programmatic level only in the Propose Project. This error biases the entire analysis in the EIR/S. DWR and	
	NMFS by December 31, 2011, a "plan to	Reclamation must fulfill the OCAP BO RPA requirement for the implementation plan and that plan must be sufficiently detailed to	
3-44, line 37	NMFS by December 31, 2011, a "plan to implement this action.""	Reclamation must fulfill the OCAP BO RPA requirement for the implementation plan and that plan must be sufficiently detailed to model hydrodynamically, and must include this BO RPA in the No Action (not the Proposed Project) for the revised EIR/S analysis.	
3-44, line 37	NMFS by December 31, 2011, a "plan to implement this action."" "As described above, portions of the 2008 and	Reclamation must fulfill the OCAP BO RPA requirement for the implementation plan and that plan must be sufficiently detailed to model hydrodynamically, and must include this BO RPA in the No Action (not the Proposed Project) for the revised EIR/S analysis. This is very specific and positive about an undetermined outcome from the project that is not within the authority of the project to	
3-44, line 37	NMFS by December 31, 2011, a "plan to implement this action."" "As described above, portions of the 2008 and 2009 USFWS and NMFS BiOps would be	Reclamation must fulfill the OCAP BO RPA requirement for the implementation plan and that plan must be sufficiently detailed to model hydrodynamically, and must include this BO RPA in the No Action (not the Proposed Project) for the revised EIR/S analysis. This is very specific and positive about an undetermined outcome from the project that is not within the authority of the project to decide. This, of the many, many examples, is perhaps one of the more egregiously predecisional by the BDCP RI/S. This is a point	
3-44, line 37	NMFS by December 31, 2011, a "plan to implement this action."" "As described above, portions of the 2008 and 2009 USFWS and NMFS BiOps would be superseded by the BDCP and its associated BiOp	Reclamation must fulfill the OCAP BO RPA requirement for the implementation plan and that plan must be sufficiently detailed to model hydrodynamically, and must include this BO RPA in the No Action (not the Proposed Project) for the revised EIR/S analysis. This is very specific and positive about an undetermined outcome from the project that is not within the authority of the project to decide. This, of the many, many examples, is perhaps one of the more geregiously predecisional by the BDCP EIR/S. This is a point blank, in your face predetermination of how things are going to go even though the EIR/S has not been approved and the new BO not	

	"Early in the BDCP planning process, it was		
	assumed that the BDCP may become the vehicle	This was a bad assumption as the BDCP timeline for implementation was completely incompatible with the implementation schedule	1
	to implement actions in the Yolo Bypass.	legal requirements from the OCAP BO RPAs. Who was this assumed by? That is not disclosed. The legal compliance process with the	1
	However, Reclamation and DWR continue to	OCAP BO RPAs does not need to coordinate with the BDCP. It is efficient for the legal compliance process to keep the BDCP informed,	1
	develop environmental documents consistent	and the BDCP to consult with the fisheries agencies on their potential development of alternatives to the OACP BO RPAs, but there is	1
	with the RPA in coordination with the BDCP	not need for the OCAP compliance process to "coordinate" with the BDCP as the BDCP is slowing the process down to the point where	1
3-45, line 6	process.	DWR and Reclamation are in violation of the law with their implementation schedule of the OCAP BO RPAs.	
		Enhancements to the No Action is what is supposed to be called a Proposed Project or alternative. The BDCP must propose the	
		modifications it wants to make to the OCAP BO RPA in their Proposed Project and alternatives and include the OCAP BO RPA in the No	1
		Action. Just because the BDCP has added mandated detail development to the OCAP BO RPAs that was required of DWR and	1
		Reclamation, it does not mean that the BO RPA action is exclusively in the domain of the Proposed Project and not of the No Action. If	1
		the BDCP has enhanced the action as compared to the No Action legal requirement, great, include that component of the	1
		enhancement as part of the Proposed Project. Any other approach, such as the BDCP EIR/S is currently using, is a sham and a	1
	"The BDCP proposes actions in the Yolo Bypass	purposeful misconstruing of the baseline for the purpose of making the Proposed Project impact analysis more favorable as compared	1
	that go beyond those in the NMFS 2009 BiOp	to the No Action. The developed detail of the Yolo Bypass BO RPA must be included in the No Action definition and any	1
3-45, line 9	actions."	enhancements to that action can be described and included in the Proposed Project or alternatives.	
	"CM2 Yolo Bypass Fisheries Enhancement		
	includes 20 component projects that are to be	That is a lot of implementation schedule and plan to gloss over with no detail and no reference to any other part of the document that	1
	implemented in four phases (years 1 to 5, 6 to	may actually have or not have that information. It appears there is an intricate implementation schedule that is not being publicly	1
3-45, line 10	10, 11 to 25, and 26 to 50)."	disclosed.	
	"This additional detail was not known at the		
	time of the NMFS 2009 BiOp and therefore	No matter how many times you say it, it is still not true. The EIR/S managed to incorporate a higher level of detail in the Proposed	1
	could not be modeled in the No Action	Project for this action, so it could have and should have used that information that was available for the No Action project description	1
3-45, line 22	Alternative."	and impacts analysis.	
	"Similarly, the 2008 USFWS Action RPA		1
	Component 4 related to the restoration of 8,000	)	1
	acres of tidal habitat was not included in	It is becoming very clear just how corrupted the interpretation of the No Action has been. This is an RPA that is part of the No Action	1
	baseline modeling assumptions. Although tidal	and the BDCP gives no rationale or justification for not including it in the No Action and including it as part of the Proposed Project.	1
	habitat restoration may occur prior to the	The summary table describing what was included in the No Action as opposed to the Proposed Project and alternatives is very	1
	implementation of the BDCP, generally, this	inconsistent with this information and was very misleading - see related comments. Since the baseline has been so corrupted, and the	1
	restoration will be part of CM4 and is analyzed	baseline is used for comparison against for the Proposed Project and alternatives, the entire BDCP EIR/S analysis is corrupted and	1
3-45, line 23	at a program level in this EIR/EIS.	must be redone with a correct baseline for comparison.	
		The challenge of the No Action over a 50 year period of time is small in comparison to the understanding of the implications of the	1
		Proposed Project and alternatives. The No Action is merely a continuation of current policy and plans with some changes in condition	1
		such as Climate Change. The much greater uncertainty, not identified or disclosed by the EIR/S, is the ability to predict the outcome of	1
	"The inherent challenge in envisioning No	so many new actions of the Proposed Project above and beyond the continuation of existing plans and policies over a 50 year period	1
	Action conditions nearly half a century away	of time. There is over 150,000 acres of aquatic habitat restoration to be implemented in over a dozen locations with no specific	1
	(2060) has required the Lead Agencies to make	designs or management plans. Aquatic habitat restorations are well documented for being unpredictable in terms of how they	1
	some informed judgments about what might	develop over time and what habitat values are actually created. There is additional compounding uncertainties over exotic invasive	1
	happen outside the immediate SWP/CVP	species interactions with the habitat restorations. What the BDCP EIR/S is not telling the reader here is that the uncertainties of the	1
3-45, line 32	context during such an extended time period."	No Action are much smaller than the certainties of the Proposed Project.	1

	"Since such changes could affect how the SWP		
	and CVP under the BDCP would operate within a		
	larger water supply framework, the analysis of		
	the No Action Alternative in this FIR/FIS is	Here is a clear double standard being applied by the RDCP FIR/S. The FIR/S says in other parts of chapter 3 (see related comments)	
	intended to identify the predictable or	that it cannot include actions of third parties that would be required for a California master water plan. And yet here is the statement	
	foreseeable actions of California water suppliers	by the BDCP that says that they are including actions by third parties that are out of their control as part of the No Action alternative	
	other than DWR and Reclamation under a long-	description. These might be appropriate under the cumulative analysis, but not in the No Action and annihing the prohibition of	
	term scenario in which a BDCP is not approved	actions that are third narty dependent from the Pronosed Project. but integrating them into No Action assumptions is clearly	
3-45 line 36	or implemented "	inconsistent and hissed by the BDCP FIR/s	
5 45, inic 55	"such conditions would likely entail continuing		
	uncertainty of SWP/CVP south Delta exports		
	continuing vulnerability in the south Delta to		
	long-term reductions in water quality due to sea	The BDCP FIR/S analysis clearly shows that the variations in water supply deliveries vary more from year to year (water year type to	
	level rise and continuing vulnerability resulting	water year type) under the Proposed Project than under the No Action. The FIR/s analysis determined that the Proposed Project has	
	from a major seismic event harming Delta	"Significant and Unavoidable" water quality impacts in the delta and these impacts are in addition to those that occur under the No	
	facilities so as to temporarily halt export	Action alternative so the BDCP FIR/s quote is obviously in error. The proposed project does noting to improve south of delta	
3-45 line 41	operations	CVP/SWP seismic reliability. If those facilities fail it is the same failure to deliver water as if the delta facilities fail	
5 (15) (110 (12	"An emergency spillway would prevent the		
	intermediate forebay from overtonning by		
	spilling to an adjacent approximately 350- acre		
	inundation area. From this forebay water		
	would be numped by an intermediate numping	This description is inconsistent with the current proposed project description so all of the impact analyses related to this tonic and	
3-46. line 12	plant"	facilities footprint are wrong and must be redone.	
	"CDFW would approve the BDCP as an NCCP		
	and issue permits pursuant to Fish and Game		
	Code Section 2835 to DWR for the incidental		
	take of covered species from the construction.		
	operation, and maintenance associated with	It seems like the BDCP FIR/S rarely passes up an opportunity to be predecisional and biased. The CDEW does not have to approve the	
	water conveyance, ecosystem restoration, and	BDCP or issue permits as that is their authority to decide. The FIR/S also presumes and is predecisional that the BDCP Proposed	
3-51. line 22	other activities as described in the BDCP"	Project will be the one that is approved and permitted rather than it potentially being another alternative from the FIR/S.	
,		There is a huge difference in construction equipment, materials, and impacts for a lined vs. an unlined canal. The difference between	
		unlined and lined makes a huge difference in impacts. The conveyance is supposed to be a project-level description and impact	
		analysis. This clearly is not. There is also much more detail regarding the conveyance facilities design description for Alternative 4.	
	"Lined or unlined canal between the intake	the Proposed Project, as compared to this alternative. The EIR/S is required to do an equal level of detail analysis between the	
	pumping plants and an intermediate pumping	alternatives and in this regard the document clearly fails. The document must be revised to provide a true project-level of detail and	
3-52, line 31	plant."	consistent level or detail and analysis of the alternatives.	

	"3.5.3.2 Conservation Components		
	Conservation components under Alternative 1B		
	would be identical to those under Alternative		
	1A. 3.5.3.3 Measures to Reduce Other Stressors		
	and Avoidance and Minimization Measures to		
	reduce other stressors and AMMs under		
	Alternative 1B would be the same as those	This is a good example of alternatives that fail to provide any reasonable range of alternative. The conservation components and	
3-54, line 2	under Alternative 1A."	other stressors components are exactly the same for almost all the alternatives see related comments.	
	The EIR/S provides a different level of detail	Alt 4 had 6 pages of description and detail and alt 3 had 2 and an eighth pages. This is hardly the equal level of detail of project	
3.5.9	between alternatives.	alternative development and analysis that is required in the EIR/S.	
	"Borrow areas and areas identified for the	This is not a project-level description as the differences between these different potential uses of borrow areas used for these	
	storage and/or disposal of spoil, RTM, and	different purposes have significantly different environmental effects. We don't know what "RTM" is. The BDCP is purposely not	
3-65, line 33	dredged material.	making the document accessible to the layman by using unexplained jargon and acronyms.	
	"sites were recommended based on the site's		
	ability to minimize effects on aquatic and		
	terrestrial species, maintain a diversion		
	structure's functionality, provide adequate river		
	depth, provide adequate sweeping flows,	The FFTT did no analysis to evaluate the resulting impact of intakes on flood neutrality. This analysis would have required bathymetry	
3-85, line 21	maintain flood neutrality"	and detailed intake designs the FFTT did not have. This BDCP claim is false and predecisional and must be retracted.	
	"These construction activities would necessitate		
	realignment of existing roadways, employee		
	parking, lighting, fencing, control and		
	communication devices, and landscaping. A	None of these requisite components of a diversion facility were disclosed in the original or subsequent NOI or NOP. Without the	
	new perimeter berm would be constructed, and	disclosure of the requisite components of the project in the NOI and NOP, the public was not aware of how the project may affect	
	the space enclosed by the existing levee and	their quality of life and livelihoods. These facilities will affect residents miles away from the location of the facilities (noise and light	
	new perimeter berm would be backfilled up to	pollution and visual blight on the pastoral landscape) and the public was not aware of that during the public scoping process due to	
	the elevation of the top of the perimeter berm.	the lack of disclosure of the NOI and NOP. The BDCP purposely withheld this information from the public during the scoping period to	
	creating a building pad for the intake structure	avoid public awareness of the implications of the project and consolidating project opposition. The NOI and NOP must be reissued to	
3-85. line 30	and adjacent pumping plant."	address these and other deficiencies - see related comments.	
		"Conceptual" and "typical" intake designs certainly do not meet the test of a project-level conveyance analysis or disclosure. The	
	"A conceptual rendering of the intake design is	EIR/S CM1 description falls very short of a project-level description and analysis and therefore must not be issued take or construction	1
	provided in Figure 3-19. A schematic of a typical	related permits based on this EIR/S document. If this document is revised to provide that level of detail, that constitutes a material	1
3-85, line 35	intake structure is shown in Figure 3-20.	change in content and warrants reissuance of the document for public review and comment.	1

	"A typical new perimeter berm would have a		
	broad-based, generally asymmetrical triangular		
	cross section. The berm height, as measured		
	from the adjacent ground surface on the		
	landside vertically up to the elevation of the		
	berm crest, would range from approximately 20		
	to 45 feet to provide adequate freeboard above		
	anticipated water surface elevations. The width		
	of the perimeter berm (toe of berm to toe of		
	berm) would range from approximately 180 to		
	360 feet. The minimum crest width of the berm		
	would be 20 feet; however, in some places it	A project level project description must have the number of cubic yards of fill material and location of fill material source. Only with	
	would be larger to accommodate roadways and	this level of detail can the air quality impacts of the project be determined. The BDCP EIR/S description is clearly lacking anything	
	other features. Cut-off walls would be	approaching this required level of detail and does not indicate where or if this information could be found in the document. The EIR/S	
	constructed to avoid seepage, and the minimum	CM1 description falls very short of a project-level description and analysis and therefore must not be issued take or construction-	
	slope of levee walls would be three units	related permits based on this EIR/S document. If this document is revised to provide that level of detail, that constitutes a material	
3-86, line 16	horizontal to one unit vertical."	change in content and warrants reissuance of the document for public review and comment.	
	"From the river bottom to the top of the		
	structure, the intake structure would be		
	approximately 55 feet tall, with the top deck	This description does not fit the conditions at the proposed north delta intake locations. It says the top deck of the structure would be	
	elevation aligning with the top of the adjacent	at the adjacent levee height and be 20 - 30 feet above the river depending on river height. Full flood flow stage elevations of the river	
	levee to maintain flood protection and provide	in the areas of the proposed intakes are within just a couple feet of the top of the levees so the description of the BDCP of 20-30 feet	
	access. Depending on the height of the river at	of freeboard is outrageously and scarily ignorantly far off from an engineering perspective for a project description that the BDCP	
	the intake location, the intake would rise above	claims is at a project level of detail. The top of the levee is only 20-30 feet above the height of the surface of the river under low flow	
3-87, line 1	the river's surface by 20–30 feet.	conditions, e.g. 10K cfs or less.	
	" the elevation of the top rim of the surge		
	tower would be approximately 65–70 feet	The description provides an absolute elevation of the tower, but not one relative to the land surface elevation. If the elevation at that	
	(North American Vertical Datum of 1988 [NAVD	poorly described location is 10 feet, then the tower is 55'-65' above ground level? The BDCP must provide a specific elevation of the	
3-87, line 6	88])."	structure and volumetrics, not an absolute elevation range, in order to meet a project-level description and dependent analysis.	
	"The elevation of the top of the surge towers		
	would range from approximately 70 to 105	That is a significant range in height (50% from low to high) and it is undetermined if that is absolute elevation or elevation of the	
3-87, line 8	feet."	structures above the ground level. This is obviously not a project-level detail, description and analysis.	

	"The intakes would be sized to provide screen		1
	area, in accordance with federal and state		1
	standards, sufficient to prevent entrainment		1
	and impingement of salmonids and delta smelt.		1
	The intake sizes (length along the river at the		1
	face of the intake) would vary depending on	It is not reassuring that the only detail provided on the intake project-level design is that whatever the unspecified design may end up	1
	intake location from approximately 700 to	being that the BDCP assures us it will be compliant with standards. Then the description goes on to give a huge range of intake lengths	1
	2,500 feet for the pipeline/tunnel, modified	from 700 to 2500 feet long (a 350+% increase from low to high is not a small or insignificant range). This intake description does not	1
	pipeline/tunnel, and east alignments; and from	meet a project-level of detail and does not merit issuance of take- or construction-related permits. The document does not indicate	1
	850 to 2,300 feet for the west alignment. Each	that there may be more detailed descriptions of these designs to be found elsewhere so if they do exists, they might as well as not	1
	intake, with the exception of the intakes	have been disclosed at all for how reader unfriendly the BDCP has consistently made this document. All intakes but one absurd and	1
	proposed for Alternative 9, would have a	unprecedented size set of intakes at 7,500cfs (alt 9) are all at 3,000cfs which definitely does not represent a reasonable range of	1
3-87, line 10	maximum conveyance capacity of 3,000 cfs."	alternatives for intake size.	1
		In the preceding BDCP EIR/S paragraph (see preceding comment), the BDCP EIR/S says the shortest intake is 700 feet and in this quote,	
		one paragraph later, it says it is 915 feet. The description is clearly inconsistent and must be corrected. If analyses were conducted on	
		a 700 foot length assumption for duration of fish exposure to the screens and the actual length is 915, then the analysis must be	1
		redone. A project-level analysis of fish screens requires 2D or 3D modeling of water approach and sweeping velocities at the fish	1
	"The fish screen sizes, like the individual intake	screen face in order to meet the test of best available science as this level of analysis is well precedented and is the anticipated	1
	sizes, would vary depending on intake location	standard for this type of in-water structure environmental analysis. Since the BDCP doesn't know even know the length of their	1
	and would range from 10 to 22 feet in height	proposed screens, it could not have done this requisite level of analysis that would potentially warrant issuance of take and or	1
3-87, line 17	and from 915 to 1,935 feet in length."	construction permits.	1
	_		
	"It is anticipated that the screen cleaning		1
	system would include several traveling brush		1
	cleaning systems installed on the waterside of	There is a big difference in impacts between these two screen cleaning systems in terms of injury to fish and creation of predator	1
	the intake. As an alternative to the fixed screen	holding habitat and predation rates at the screens. The BDCP does not say for sure which one they plan on using so the EIR/S cannot	1
	panel and brushing system, a traveling screen	evaluate and disclose the differences in impacts between these two screen cleaning options. Without the BDCP selecting, defining	1
	system with a screen belt and stationary	and analyzing the specific screen cleaning option, this document cannot be considered project-level analysis for the conveyance and	1
3-87, line 19	brush/water jet system could be used."	cannot be issued take- or construction-related permits based upon it.	1
	"Radial gates downstream of the intakes would		
	limit flow to this maximum, while slide gates on	There would be radial gates on Georgiana Slough? Radial gates may regulate the total flow, but even if they are right up against the	1
	each bay would equalize approach velocity	screens, they cannot regulate approach velocities across the screen. This description, that is supposed to be at an equal project-level	1
3-87, line 25	across the face of the fish screen."	of description, makes no sense.	
		Screens with 2mm openings do not screen out sediment. The approach velocities are far too low to entrain sediment even a quarter	
	"Although the intake fish screens would remove	that size. This description is incorrect and misleading with regards to the screens functioning as a component of the sediment	1
3-87. line 33	debris and sediment from the intake inflow"	separation function of the design.	1

	"The sedimentation basin would be		
	approximately 120 feet long by 40 feet wide by		1
	55 feet deep, and would have interior concrete		1
	walls to create separate sedimentation	Again, this description is too generalized and has too big a range of size to conduct a project-level impact analyses and the document	1
3-87, line 40	channels."	does not direct the reader to any other part of the document to find this information.	
	"It is anticipated that during most periods when		
	five intakes are operating at about 3,000 cfs		1
	each, approximately 137,000 dry pounds of		1
	solids per day would be pumped to the solids		1
	lagoons. During periods of high sediment load		1
	in the Sacramento River, the daily mass of solids		1
	would be expected to increase up to 253,000	This is an analytical conclusion, not a design description. This conclusion is also wrong and misleading as the suspended sediment load	1
	dry pounds per day. The annual volume of solids	of the Sacramento River varies greatly based on time of year, upstream tributary conditions and activities and general preceding	1
	is anticipated to be 486,000 cubic feet (dry	precipitation events. The sediment loads during "most periods" will certainly not be half the "high sediment load" as described in the	1
3-88, line 13	solids basis).	BDCP EIR/S quote.	1
		The BDCP fails to define a project-level description and analysis of the dredging activities which would have had to include: dredging	
	"Suction dredging around the intake structures	locations, seasonal timing, volumes, frequency, equipment to be used, hours of operation, number of personnel, parking and staging	1
	using raft- or barge-mounted equipment and	locations, barge parking and unloading locations, dredging mitigation plans and fish avoidance plans, dredge spoil disposal plans and	1
3-88, line 21	pumping sediment to a landside spoils area."	dredge spoil contaminant contingency plans.	1
		1,000' by 1000' is 22.96 acres. It is not approximately 20 acres as the BDCP claims, it is approximately 23 acres. The BDCP's	
		description understates the size of the pumping plant site by 15% which is a significant understatement and under-disclosure of	1
		impacts. The BDCP must rectify this inaccurate representation and correct the impact analyses that were conducted on this erroneous	
	"Each of the pumping plant sites would be	understatement of the pump plant footprint size. This understatement of BDCP facilities size and impacts is systematic and	1
	approximately 1,000 by 1,000 feet	pathological throughout this document - see all of the related comments on BDCP understatements of impacts and project	1
3-88, line 39	(approximately 20 acres)."	characteristics.	1
	"Under the modified pipeline/tunnel alignment		
	(Alternative 4), each of the pumping plant sites		1
	would be approximately 1,800 by 1,500 feet		1
3-88, line 42	(approximately 60 acres)."	1800 by 1500' is 62 acres. This is only a 3% understatement by the BDCP, but it is still a systematic understatement of impacts.	
		The BDCP failed to propose or describe how the pumps would be operated when ramping up and down in diversion volumes during	
		tidal changes that affect tributary flows and velocities that the operations must comply with. The method that the pumps are ramped	1
		up and down have impacts on power demand and the local and regional power grids. Without the missing operational description of	1
	"Pumping capacity could be varied by	how the pumps are ramped up and down, the requisite analysis of project-level power impacts cannot be evaluated and disclosed.	1
	reducing the number of pumps on line and/or	The pump operations must be tied to the north delta intake operations model, which is also missing from the project description and	1
3-89, line 9	adjusting the pump operating speed."	analysis - see related comments.	
	"Ground improvements would also be needed		
	to improve foundation materials that are	What undisclosed improvements are those? These would likely have significant undisclosed impacts and risks to human health and	1
3-89, line 19	susceptible to liquefaction."	safety. These must be disclosed, described, evaluated and mitigated.	1

	"This substation and its transformers would		
	convert power from the conveyance facility's		
	main 230 kV transmission line to 69 kV, for use	We don't recall there being any analysis of the electromagnetic affects on human and animal health from these substations and power	1
3-90, line 6	by the pumping plants and other facilities."	converters.	
		A realignment is a shift in the path of the road within or near the existing roadbed. The BDCP is proposing a rerouting of the state	
		highway around the intakes that will add miles to the length of the highway to this short but critical transportation infrastructure to	
		the delta. This BDCP rerouting of a state highway has impacts on transportation costs and emergency response. Again, and	1
3-90, line 31	"the levee roads would need to be realigned."	systematically, the BDCP has misrepresented the description of the project so that it can downplay the impacts of the project.	
	"Periodic mussel cleaning in the sedimentation		l l
	basins and solids removal from solids lagoons	The O&M description does not identify or disclose any use of hazardous or special handling requirement materials such as	1
	for off-site disposal would be required.	moluscicides, herbicides, pesticides, fungicides, chlorine, cleaning agents, paints, solvents, aerosols, etc. Nor does it describe the	
	Sediment in channels would also be removed	storage or disposal of the materials including the potentially contaminated sediments separated at the intakes. Without these	1
3-91, line 14	periodically."	descriptions and disclosures from the BDCP, these risks and impacts cannot be assessed and disclosed in the EIR/S.	1
		The BDCP does not say one word about how the intakes must be operated in order to comply with fish screen criteria. All of the	1
		proposed intakes are in intertidal reaches of the river that have significant variations in flow and water column velocities throughout	1
		the tidal cycles - see related comments. In order to not violate the minimum sweeping velocity and duration of exposure to fish, the	
		diversion volumes must be ramped up and down on the tidal cycle - see related comments. If they are not, as an example, at a slack	1
		tide with zero velocity the smelt and juvenile salmonids would be exposed to the intakes for hours. This duration of exposure	
		certainly overwhelms the fishes sustained swimming speed performance - see related comments. As stated in numerous other	1
		comments, the north delta intakes and tunnel must have an operations model, just like every other element of the CVP/SWP currently	1
	The O&M description of the intakes is	does - see related comments. without a north delta intake and tunnel operations model, there is no feedback loop to CALSIM to	1
3-91, line 16	substantially incomplete.	ensure that monthly water deliveries result in continuous compliance of the intake screen operations - see related comments.	
			1
	"Depending on foundation material, foundation	The BDCP does not know the nature of the foundation material at the proposed intake sites nor does it know what or how much	1
	improvements would require excavation and	foundation improvement is required. The BDCP does not even describe or evaluate the worst case scenario to provide coverage for	1
	replacement of soil below the new levee	permitting, so instead it does nothing on this topic to evaluate or disclose these impacts. This is clearly not a project-level description	1
3-91, line 19	footprint and potential ground improvement.	or impact analyses and clearly does not warrant issuance of take- or construction-related permits based on this EIK/S.	l
	"All construction and modifications will comply	Promises don't mean anything in the absence of designs and analyses that prove conformance with requirements. The BDCP must	1
	with applicable state and federal flood	prove that the intakes will result in a flood neutral impact. To do this they would need: detailed intake designs, engineering scale	1
2 01 1 - 22	management, engineering and permitting	channel cross sections and barrymetry, calibrated stage discharge curves at the intake site, 2D modeling of backwater affects of the	1
3-91, line 22	requirements.	incake and consultations with the USACE. The BDCP has absolutely not a single one of these.	l
		construction soluted impacts who would occur outside of this seasonial window that is timited to reduce exposition of the sins species	1
		to construction-related impacts, what determines what is possibler, now much is too much, the buck much to only a construction of the second s	1
	"To the extent possible, all in-water	constructing under the time 1 - occoper 51 period of discusse exactly what deviations it plans from that, the document demandes a lish	1
	construction activities would take place	rescue pier, du does not dentry minimization and mitigation negation sets to pier driving impacts on rish such as double clustering to an experiment description of the alternatives of the average and the alternatives.	1
3-92 line 25	between lune 1 and October 31 "	uamper noise and nsh avoluance measures. These are significant omissions of the current document description of the alternatives and plan	1
5-52, me 25	"The intake structures and associated bank	and prov.	<u> </u>
	protection would permanently change existing	The BDCP never describes how the intake construction would protect the critical toe of the levee to protect levee integrity. This is a	1
	substrates and local hydraulic conditions in the	significant risk for levee failure for the BDCP to have omitted, but seeing as none of the conveyance facilities are described at a project	1
3-92. line 37	immediate vicinity of the intakes."	level of detail, this omission is consistent with quality and completeness of the rest of the document.	1
		· · · · · · · · · · · · · · · · · · ·	

		This is a declaration of a conclusion of an analysis, not a component of the project or alternative descriptions. The statement is also	1
		incorrect. The river is not 400' wide at some of the proposed intake locations, it is 300'. The cofferdam is 60' wide and the no boating	1
		exclusion zone around the cofferdams would be an additional 100'. This would mean the project would block up to 53+% of the entire	1
		river width. For commercial ships or barges, navigable depths of the river may only be in the middle of the river so subtract 50' width	1
		from the other side of the river for the navigable channel. Barges can be 50+ feet wide and are part of an important infrastructure in	1
		responding to emergency levee breaks. A large barge would have only a 90' navigable channel for it's 50' width which is a navigation	1
	"The Sacramento River would remain navigable	hazard and impairment. The USACE is the ultimate judge of what is and is not a navigation hazard or impairment, so the BDCP should	1
3-92, line 39	during construction of the intakes."	have consulted with the USACE on this matter rather than making unsupported and incorrect claims of no impact in a section that is	1
	"If open-cut trenching is used and the native		
	materials are generally of good quality in the		1
	area of conduit construction, excavated		1
	material from the trench would be used as		1
	embedment and backfill materials. If the native	This is definitely not a project-level description. The BDCP does not know if the local soils can be used as trench fill or if they will have	1
	soils are not suitable as foundation materials for	to be imported. It they are imported or not has traffic and air quality impacts that the BDCP has not analyzed or disclosed. This is	1
	the trench, suitable materials would be	clearly not a project-level description or impact analyses and clearly does not warrant issuance of take- or construction-related	1
3-93, line 10	imported to the site."	permits based on this EIR/S.	1
	"Cut and cover construction would likely be		
	used for landside pipe placement using long		1
	reach backhoes, scrapers, and excavators	To meet a project-level description to support a project-level impact analyses that would warrant take and construction related	1
	placed on levees or on the landside of the	permits, the description must include the number, type of equipment used (down to the make and model) and the number of hours	1
3-93, line 14	levees."	and date ranges the equipment would be used. The BDCP provided none of the project level requisite information.	
		The description gives an inside diameter, but not an outside diameter or a tunnel wall thickness. Without the thickness of the tunnel	
		walls being defined and disclosed, the volumetrics from the amount of cement to be used cannot be calculated. Without the amount	1
		of cement to be used, the staging areas with cement batch plants cannot be sized, the amount of energy used for transportation of	1
		cement can't be determined and the amount of truck traffic and air pollution associated with the tunnel construction cannot be	1
		evaluate, disclosed or properly mitigated. The BDCP must provide a complete project-level project description that includes the	1
		tunnel wall thickness, volumetrics, etc. so the required project-level impact analysis can be done. Until the project description is	1
	The BDCP project description of the tunnels	completed and the project-level analysis done and released to the public for review, the BDCP project must not be issued take or	1
3-93, line 30	never says how thick the cement wall is.	construction-related permits.	
	"The tunnel system would be operated under	By only operating one of the two big tunnels under lower flows, the BDCP only makes the problem of stagnating water in the idle	1
	pressurized conditions at a constant volume	tunnel a more frequent and longer duration event than we have identified in previous related comments. As stated in other	1
	with isolation facilities to allow reducing the	comments, the water that goes stagnant in the idle tunnels will go anaerobic and anoxic and be a contaminated water treatment and	1
	number of tunnels in operation during periods	disposal problem rather than water supply. The stagnant water from the tunnels from the idle intakes are a particular problem as	1
	of lower flow and to maintain velocity in active	how will the BDCP operations keep that contaminated water from mixing with the fresh water in the intermediate forebay when the	1
3-93, line 31	tunnels."	idle intake pumps are started after being off for weeks or months at a time? The BDCP does not discuss or disclose this impact.	
	The description never addresses how the	Many wells exist in the delta and only a portion of them are available on well log documentation. There is a significant risk of the TBM	I
	tunnels propose avoidance of active or	hitting one of these undocumented casings - see related comments. The "Big Bertha" TBM is Seattle is a good case study for the	1
3-94, line 5	abandoned gas and water well casings.	unmitigated risks the BDCP is engaging in without a well casing avoidance and risk minimization plan.	

		The BDCP identifies that there is a risk of gas collecting in the tunnel during drilling and says it will use gassy tunnel drilling protocols.	
		The BDCP never describes or discloses these protocols, so it has failed to implement an avoidance, minimization and mitigation	
		measure for the risk of tunnel gas explosions that would risk surrounding levee failures and workers and community health and safety.	
		The BDCP says it will have a protocol for the drilling process (spoiler alert - it doesn't), but it never says what measures the project	
		would take to mitigate the risks of gas (explosive, toxic, or otherwise) building up in and/or being released from the operational	
		tunnels. This risk is elevated during periods of low to no flows when out gassing of methane from breaking down organic materials in	
	The description never discloses the "gassy	the tunnels is high. The BDCP must propose avoidance, minimization and mitigation measures for these significant risks of the BDCP	
3-94, line 5	tunnel drilling protocol".	construction and operation.	
	"Road access to the top of the pad will be	The description does not disclose the size of the access ramp. This is a footprint impact of the project and presumably represents	
3-94, line 20	provided for maintenance vehicles."	additional lands that would be condemned for the project. These impacts must be disclosed and evaluated.	
		See comment above about missing mitigation action for gas or toxin accumulation in the tunnels during operations. See previous	
		other comments regarding the anoxic water that will come out of the tunnel after periods of low or no operations and the treatment	
		and disposal impacts it creates. The tunnels will have sediment that must periodically be removed as tunnel velocities below about	
		5fps will allow sediment to precipitate in the tunnel - see related comments. The BDCP obviously anticipates the need to dewater the	
		tunnels, but does not provide any description of those operations nor disclose the impacts of them. As an example, in the dewatering	
		process, is foreign water going to be introduced into tributaries that will cause straying of salmonids? We don't know because the	
		BDCP has not defined this operation. The BDCP must also anticipate that the tunnels will be colonized by exotic and invasive mussels	
	"Maintenance requirements for the tunnels	and clams. These will periodically have to be removed. These removal processes will likely involve toxic and hazardous materials. The	
3-94, line 27	have not yet been finalized."	BDCP has failed to identify, characterize, evaluate, quantify, disclose or mitigate for these impacts. With no maintenance plan, this pro	
		Any project-level operations plan requires a series of emergency response plans to address and mitigate for all reasonably foreseeable	
		emergencies that could occur at the facilities. These emergency responses should have included: fire, earthquake, flood, power	
		outages, prolonged power outages, levee break flooding, levee break scouring, structural failure of the tunnel or related facilities,	
		puncture of the tunnel by dredging or drilling, emergency dewatering of the tunnels, maintenance or inspection boat loss,	
		maintenance or inspection diver loss (DWR should be acutely aware of this one given its recent loss in the SWP canal), autonomous	
		vehicle loss, toxic gas accumulation, explosive gas accumulation, gas explosion, sudden flow stoppage water hammer, terrorist threat,	
		etc. The BDCP did not provide even one of these obviously required operational and emergency response plans. Plans do not have	
	The BDCP did not describe any emergency	environmental impacts but staging equipment and supplies (which may be toxic or hazardous) do. These plans must be developed and	
3-94, line 27	response plans to protect or repair the facilities.	disclosed so that the public is aware of the types and magnitudes of these risks and what the potential environmental affects of impler	
	"Intervention (or safe haven) zones could be	Here is a whole other category of project footprint impacts that has not been defined to a project-level or analyzed, disclosed or	
	situated at intervals of 2,000 feet along the	mitigated in the EIR/S. So the BDCP is saying here that somewhere (undefined), approximately every 2,000' along the length of the 35	
	tunnel alignment. These subsurface	mile long tunnel that there will be surface site that will inject slurry into the soil. This means there would be 92 sites of surface	
	intervention sites would be constructed by	disturbance of unknown size and location that would have impacts that the BCDP has not analyzed, mitigated or disclosed. The BDCP	
	injecting grout from the surface to a point in	must defined where these site would be, describe the equipment used and duration, analyze traffic and air quality impacts, evaluate	
3-95, line 9	front of the TBM."	temporary and permanent habitat and land use modification, disclose other impacts and mitigate for these impacts.	
		This is called piece-mealing the environmental impacts of a project and it is in violation of NEPA and CEQA. The sites must be	
	"If needed, supplemental environmental	identified and their impacts identified in the revised public draft BDCP EIR/S as these sites are a requisite part of the construction of	
3-95, line 35	compliance documentation will be completed."	the tunnel, not a separate project or one occurring far in the future unrelated to the construction.	

		The soil core sample number and distribution taken by DWR near (rarely over) the tunnel conveyance route are insufficient for the	
		BDCP to claim that they have any certainty regarding soil conditions they will encounter over the 35 mile conveyance route - see	
		related comments. There is a 7 mile stretch of the route that no cores were taken, so the BDCP has no idea at all what is going on	
	"The proposed tunnels are anticipated to be	there. This BDCP statement is just wishful thinking that is not backed up by fact. The BDCP must evaluate what the impacts to the	
	constructed in soft, alluvial soils with high	schedule and environmental consequences would be if the material is not of soft alluvial material. The BDCP also has no contingency	
3-95. line 36	groundwater pressures."	plan or analysis to cover the impacts of contaminated soils spoils - see related comments.	
-	ľ .	In order to have a project-level impact analysis that could potentially warrant construction permits the BDCP must define, disclose and	
	"A diesel-powered train would transport	analyze the impacts. It must define: what make and model of train, how many trains, and how many hours per day operated.	
	construction workers through the tunnel during	locations of train operations. The current document provides none of this information so the document does not meet a project-	
3-96 line 2	construction "		
5 50, 1110 2	"Soil conditioning agents such as foams		
	polymors, and bontonito may be used to make		
2-96 line 16	soils more suitable for excavation by a TPM "	Soil conditionary are used for materials handling and transport, not for excavation	
3-30, inte 10	" it was assumed that DTM would be stacked	Son conditioners are used for materials naming and clarisport, not or excavation.	
2 05 15-24	It was assumed that RTW would be stacked	It is hard to see now a 10 deep pile will all dry. A pile this high will also disrupt local drainage and redirect flood flows, both of which	
5-90, IIIle 54	to a neight of 10 feet	are significant impacts the project did not identify, disclose of mitigate.	
	Depending on the type of soil removed		
	through tunneling, the type of soil conditioners		
	added, and the material management and		
	water treatment processes required, RTM may	That statement has absolutely no certainty or specificity. It all might be reusable or none of it. It might be reused for some things, but	
	be reused locally (e.g., for levee reinforcement	they don't know if or where or how much. The BDCP must be able to answer all of these aspects of tunnel spoil disposal. The possible	
	or as fill material in support of restoration	outcome that the BDCP does not include here is that the tunnel spoils may be contaminated such that they must be treated as a class	
	activities) or transported to another location for	1 material. They have not discussed this nor have they evaluated the impacts of it or provided mitigation plans for it - see related	
3-97, line 34	reuse."	comments.	
	"In areas where the existing ground slopes		
	toward the canal on both sides, a drainage ditch		
	would be constructed along both sides of the		
	canal to collect water and direct it to collection	This discharge of the project will have to be permitted by the RWQCB and meet discharge water quality standards. The BDCP failed to	
3-98, line 18	points for removal by pumping."	identify the need for this permit and did not describe or disclose the water treatment facilities that would be required.	
	"Use of a drainage ditch parallel to the canal to		
	control seepage and groundwater levels. Water		
	in the drainage ditch would then be pumped		
3-98. line 38	into the sloughs or back into the canals."	See preceding comment. Also see related comments on foreign water introduction and impacts on salmonid straving.	
		middle part of the culvert would be 1004 feet from either and under no flow conditions would go anarchic. This would become	
	"Under the canal with a culvert to existing	a take mess during flood flows and/or num out operations of the drainage dirches. This inundated culturer would become	
2 00 line 6	drainage systems "	a concentras during mode nows and/or pump out operations or the durantage directies. This indirude durate durite would become	
3-99, line 6	drainage systems.	permanent mosquito breeding habitat. These impacts have not been disclosed or mitigated by the BDCP EIK/S.	
	"Over the canal with an evershute to evicting		1
	designed automation of the second sec		1
	drainage systems. Overchutes require piers		1
	similar to those supporting bridges to support	whoever wrote this knows nothing about the delta. The delta does not have the kind of terrain elevation drops in drainages that	1
3-99, line 7	the structure and span the width of the canals."	would make this type of flood bypass feasible.	1

	"Around the canal and through a gap between		1
	the existing levee and the ends of the canal		
3-99, line 9	embankments."	So the flood flows scour the levee and cause another levee failure - brilliant.	
	"To new storm drain pumps that would pump	Storm water discharge permits required and probably water treatment required prior to discharge. No water treatment plants for this	1
3-99, line 11	the water to sloughs or the canal."	were identified in the EIR/S.	
	"Construction of irrigation ditches to supply		1
	water for agricultural use may be required in		
	areas where irrigation water supply ditches are		
	separate from drainage ditches. The irrigation		1
	ditches would likely need to be elevated above		
	the existing ground to allow for gravity flow.	This sounds like a mitigation. To be project specific the EIR/S needs to describe where, when, how many, what footprint, what size	1
	New pumps or siphons may be required to	pumps, how often run, etc. The BDCP has not defined any of these so this is not a project-level description. Additionally, Alt4, will	
3-99, line 12	supply the irrigation ditches."	also require these facilities and did not describe or disclose them there either.	
	The BDCP did not describe head control		l l
	structures that would be required for	Water trapped behind the head control structures would build up algal loads during periods of low and no flow operations. The algae	1
3-100, line 8	intermediate pumping stations and siphons.	will cause taste and odor impacts on drinking water quality that the BDCP did not evaluate, disclose or mitigate.	
	The BDCP did not describe wind induced wave	The highest velocity winds that occur in the delta tend to be north winds. The canal is oriented largely north south on all alignments	1
	erosion control structures that would be	so the white cap waves should be spectacular and highly erosional. The BDCP identified a concrete lining near the top of the canal,	
3-100, line 8	required for the canal.	but did not provide for erosion from waves when the canal is less than full during periods of low or no operations.	
	"Under the pipeline/tunnel alignment, an		
	intermediate forebay near Hood would provide		1
	storage of approximately 5,250 af with a surface	We believe the BDCP has revised the size and location of this facility since the release of the PDEIR/S. All of the operations modeling	1
	area of 760 acres and would provide a transition	and impact analyses and that were conducted on this out of date definition are incorrect disclosures of what impacts would occur	1
	between the north Delta intakes and the	based on the project that is currently being proposed by the BDCP - see related comments. The revised project must receive full	
3-104, line 35	intermediate pumping plant."	analysis in the revised PDEIR/S.	1
	" this feature would also include a seepage	It would be entertaining for the BDCP to disclose how deep the impervious layer is in this area. My guess is 1000+'. That is going to be	1
	cutoff wall to the depth of the impervious	one heck of a cutoff wall. The BDCP must disclose the volumetrics of this construction so that air quality, traffic and other appropriate	1
3-104, line 40	layer"	impacts are disclosed and mitigated.	
	"Limitations on delivery of water from the	This is the first acknowledgement we've seen that the BDCP anticipates the requirement of ramping intake diversions up and down	1
	intakes into the intermediate forebay and the	daily (presumably based on tidal cycles). This does not constitute a description and disclosure of those intake operations. Emphasis	1
	need to operate the intermediate pumping	added with underlining. So the BDCP says it is going to ramp up and stop flows in a gravity fed pipeline on a daily basis. The BDCP	1
	plant efficiently would limit the ability to deliver	needs to recheck their math on the hydraulic gradient of the gravity feed from the headworks to the south delta facilities, tunnel	
	flow from the pipelines/tunnels during portions	coefficient of friction, and the mass of water stopping and starting as they are misrepresenting the tunnel operations and their ability	1
	of the day to the existing Banks and Jones	to ramp flows up and stop them with gravity feed on a daily basis. This is another good example of why a north delta intake and	1
3-105, line 1	pumping plants."	tunnel operations model is required.	
		The tunnel diameter of 40' is mismatched to the surge tower diameter so in the occurrence of a water hammer event the project has	1
		just created huge backpressures that will cascade back down the tunnel (exactly what the surge tower is designed to prevent) and the	1
	"The pipeline/tunnel alignment would require	worlds largest water cannon as water will be accelerated up the smaller diameter surge tower. This under sizing of the surge tower	1
	two 33-foot diameter (minimum) surge	diameter is dangerous to the tunnel integrity, would likely shatter the transition vault from the tunnel to the surge tower and be a	1
3-105, line 13	towers,"	danger to the workers and the surrounding population and areas.	

	"It is assumed that the intermediate pumping	The BDCP has not disclosed how they would dispose of the aquatic weeds harvested. They will emit greenhouse gas as they	
	plant would require periodic harvesting of pond	decompose and odor problems for neighbors. The BDCP did not quantify the biomass of weeds to be removed, the frequency of this	
3-105, line 27	weeds to maintain flows and forebay capacity."	operations, the disposal method or location, analyze the impacts of these operations or mitigate the impacts from these operations.	
	"For Alternatives 1A, 1B, 2A, 2B, 3, 4, 5, 6A, 6B,	Where are the design detail schematics, location, footprint, etc.? The BDCP has changed these since the issuance of the PDEIR/S, so	
	7, and 8, the Byron Tract Forebay would be	the newest revisions of the Proposed project have not been disclosed to the public and even the ones that were current at the time of	
	constructed on the southeast side of Clifton	the PDEIR/S release were not provided. The BDCP did not disclose the DSOD deficiencies of Clifton Court Forebay - see related	
3-105, line 43	Court Forebay."	comments.	
	"Additionally, a new embankment would be		
	constructed around the perimeter of the		
	forebay, as well as an embankment dividing the		
	forebay into a northern cell and a southern cell.		
	The northern end would receive water from		
	Tunnel 2 (from the north Delta intakes), which		
	would pass under Italian Slough in a culvert		
	siphon before entering Clifton Court Forebay		
	(north). The northern cell would provide storage		
	of approximately 6,070 af. The southern cell of	That is a very confusing description, does not work without a supporting engineering schematic and this description provides	
	the forebay would continue to provide	insufficient detail for the EIR/S to evaluate. The divisions between the fish screened water from the north delta intakes and the	
	functionality for the existing through-Delta	unscreened inflows to the south delta intakes are particularly important to understand the mechanics for fisheries impacts. This	
	conveyance system and would provide storage	description is inadequate to support the fisheries and water quality impacts assessments. How does this modification of Clifton Court	
3-106. line 6	of approximately 26.000 af."	Forebay work with the modification of a non-DSOD compliant facility?	
	"New forebays would be dredged to remove	In order to meet project-level analysis, the BDCP needs to provide a schedule, equipment used, volumes removed, and disposal	
3-106, line 14	sediment and maintain design capacity."	locations for the sediment removal. The BDCP has provided none of these.	
	"Maintenance requirements for the forebay		
	embankments would include control of		
	vegetation and rodents,	These maintenance actions would be required for all of the BDCP facilities: intakes, pumps, intermediate forebays, tunnel facilities,	
	embankment repairs in the event of island	etc. but this is the only place these actions are mentioned. There is no detail provided as to what materials will be used. These will be	
	flooding and wind wave action, and monitoring	controlled materials that require special handling, storage, application restrictions (e.g. spray drift management), and disposal or	
3-106, line 14	of seepage flows. Maintenance."	empty containers. The BDCP has provided none of these details or the frequency, magnitude or area extent of these actions.	
	"Maintenance requirements for the spillway		
	would include the removal and disposal of any		
	debris blocking the outlet culverts. Dredging		
	may be necessary to remove sediments in the		
	forebays. As designed, both forebays are		
	expected to have capacity to store sediment		
	accumulated over a 50- year period. However.		
	depending on the actual sedimentation rate.	Where is the debris and sediment to be disposed and what quantity and frequency are anticipated? What equipment and how many	
3-106 line 18	dredging may be necessary more or less often "	hours of operation are required? These are all required for the impact analysis and full disclosure of the impacts of the project	
	I o o o	in the impact of the impact of the impact analysis and ran ababisare of the impact of the project.	

	"Much of the excavated material at both		
	locations is expected to be high in organics and		
	unsuitable for use in embankment construction.		
	Some of the excavated material below the peat		
	layers at both locations may be suitable for use		
	in constructing the embankments. To the extent		
	possible, spoils to be used for the embankments		
	would be stored onsite. Under the modified		
	pipeline/tunnel alignment, nearly 8 million		
	cubic yards of material would be dredged from	What equipment, how many hours over what dates? Unless the BDCP provides this level of information it cannot and must not get	
3-106, line 30	Clifton Court Forebay"	AQRCB construction permits.	
	"While only one of these points of	This is how a project-level impact analysis is supposed to be done. This is the first of the alternatives components that sounds like it	
	interconnection would be used, both are	was treated appropriately. This example is in stark contrast how all of the rest of the project components and the uncertainties of the	
	depicted in figures, and the effects of	footprint were handled, which was deficiently. The BDCP must reanalyze all of the project components that do not take this strategy	
	constructing transmission lines leading from	of taking the largest potential impact of the project as it is described and evaluating those impacts to create a disclosure document	
	both sites are combined and accounted for in	that provides an envelope of action for the project. The project, with this one potential exception, is consistently deficient on this	
3-107, line 24	resource-specific impact analysis."	point.	
	Description was provided to reduce raptor take		
	associated with the transmission lines (in one	The International Migratory Bird Treaty Act compliance requires that all projects incorporate measures to address impacts to	
	case of a monopole), but no mention is made of	migratory birds. There are many bird species in the Plan Area that are covered under this act and there are no described project	
3-109, line 45	measures to reduce other bird strikes.	features to avoid, minimize or mitigate their impacts.	
		At no point can we find the disclosure of the rationale for why the relocation of the current intake appears to be incorporated into the	
	Barker Slough intake relocation appears to has	BDCP project. Is this compensation/mitigation to Solano County for not objecting to the Yolo Bypass modifications, the impacts of the	
3-120, line 15	been incorporated into the Proposed Project.	current CVP/SWP operations on their water quality or the impacts of the BDCP on their water supply quality?	
		There is no such thing as "typical" for these types of actions that have so little precedent in this geographic area and no precedent at	
		this scale of habitat restoration. A "typical" construction analysis is particularly useless for water quality impact assessments of the	
		project. Levee break locations, size, orientation, habitat inundation depth, contouring, vegetation plans, sucessional vegetation	
		development all make a huge impact in the tidal exchange characteristics and water quality discharge of these habitat restorations.	
	"analyses consider typical construction,	Further, without specific locations of these aquatic habitat restorations it further confounds and frustrates any meaningful analysis of	
	operation, and maintenance activities that	the water quality impacts of these actions. As stated in previous comments, water quality affects of these habitat restorations are	
	would be undertaken for implementation of the	inextricably linked to CVP/SWP water quality operating constraints so these habitat restoration actions may not be done at a	
3-121, line 25	habitat restoration and enhancement efforts."	programmatic-level since they are having project-level impacts on operations - see related comments.	
		As previously commented, the Yolo bypass action is part of the mandated conditions of the 2009 OCAP BO RPAs. The BDCP may have	
1	"3.6.2.1 Yolo Bypass Fisheries Enhancement	provided more detail, but this action belongs in the No Action description. Only the components of the description that are above and	
3-122, line 13	(CM2)"	beyond the RPA can be considered part of the BDCP proposed project or alternatives - see related comments.	

3-125, line 15	"This conservation measure would be implemented under all action alternatives. CM2 actions are proposed for implementation in four phases: Phase 1—year 1 to year 5 of BDCP implementation; Phase 2—year 6 to year 10;"	Given this BDCP proposed implementation timeline, this EIR/S must address these actions at a project-level of detail or there will not be time for a subsequent environmental document, engineering design, permitting, contracting, and completion of construction. Either project-level detail must be provided and analyzed in this EIR/S or the schedule of these actions needs to be pushed back in implementation. The delay implementing these actions would put DWR and Reclamation even further into violation of the implementation timeline mandated in the OCAP BO RPAs.	
	"The Category 2 and 3 actions would be more	So the BDCP is describing actions and taking credit for the benefits of them for actions that will actually be or may be analyzed and implemented by a different project. These actions are described as being implemented by the BDCP in years 1 - 10 of the BDCP project - this description is clearly misleading and deceptive. These other project actions that the BDCP is taking credit for include: Component Project 4: Expanded Fish Rearing at Knaggs Ranch; Component Project 5: Fish Ladder Operations Study at Fremont Weir; Component Project 6: Experimental Sturgeon Ramps at Fremont Weir; Component Project 7: Auxiliary Fish Ladders at Fremont Weir; Component Project 8: Fish Screens for Small Yolo Bypass Diversions; Component Project 9: New or Replacement Impoundment Structures and Agricultural Crossings at the Tule Canal and Toe Drain; Component Project 10: Lisbon Weir Improvements; Component	
3-125. line 20	fully defined and evaluated in the YBFEP and/or YBFEP EIR/EIS, as appropriate."	Project 11: Lower Putah Creek Improvements; Component Project 12: Water Supply Improvement for the Yolo Bypass Wildlife Area; Component Project 13: Use of Supplemental Flow through Knights Landing Ridge Cut: Component Project 14: Flood-Neutral Fish Barrie	
	"Improvements to Upper Putah Creek, outside the Plan Area, will be included as part of the VBFEP. Improvements to Upper Putah Creek will support fish passage, water quality, and spawning habitat improvements in Putah Creek upstream of the Yolo Bypass Wildlife Area and downstream of Solano Diversion Dam (Phase	This is another example of the BDCP violating their self imposed, unsupported and predecisional geographic constraint for potential actions to be included in the BDCP project or alternatives. Seeing as the BDCP can include actions outside of the Planning Area anytime they want, they cannot use the plan area as a criteria or rationale to dismiss other alternatives, e.g. upstream and downstream water storage - see related comments. If this is not a BDCP cation and is being implemented only by the YBFEP, then the	
3-126, footnotes	1)."	BDCP cannot portray the action as being a feature and benefit of the BDCP project as it has done here in the EIR/S.	
3-128, line 21	Phase 3 (Year 11 to Year 25)	The YBFEP is not part of the BDCP so here is another project action that the BDCP is taking credit for: Component Project 20: Sacramento Weir Improvements.	
3-133, line 28	"South Delta Restoration Opportunity Area"	From the Independent Science Review Panel comments from their private 2014 meeting with the BDCP it sounds like this ROA has been dropped from the BDCP proposed project and alternatives. The description of where the implementation may occur for all of the different habitat types must be revised to reflect this BDCP deletion of the South Delta ROA.	
	"In some areas, tules could be planted and farmed for several years to raise the elevation	Publications on tule cultivation to raise subsided lands indicate land can be raised by as much as 1/4 inch per year. So if "several	
3-134, line 11	of subsided lands."	years" from the BDCP is 4 then we should expect that they have raised subsided lands (temporarily) by approximately 1".	

	The BDCP does not provide any description of		
	the location, frequency, seasonal timing.	Without this level of detail, the BDCP cannot have completed impact analyses of land disturbance, water quality impacts, fisheries	
	duration, or volume of dredging or the disposal	impacts, air quality impacts from dredging or transport, greenhouse gas emissions from drving spoils, potential dredge spoil	
3-136. line 29	methods and locations of the dredge spoils.	contaminants, land use changes, traffic and other impacts.	
	"Roads and utilities on the levees to be		
	breached or lands to be inundated that required		
	modification would be constructed to a	levees with levee roads that will be breached by the BDCP will be restored to have the same passage and access as prior to the	
	condition equal to or better than the	project so that means the BDCP will construct bridges over all of these breaches. If there are not bridges over the breaches then the	
3-136. line 33	preconstruction conditions."	rod access condition would not be as good as preconstruction condition.	
	"Channel straightening and levee construction	This is true and has been true for about a hundred years. The delta pelagic organism decline has only occurred in the last 20 or so	
	have disconnected river channels from their	very so the causal mechanism the BDCP is trying to imply here is false. Look to other changes in the last 20 or so years as the	
	historic floodplains over much of the Plan	primary culprit for POD. One of the primary changes has been the more aggressive reoperations and increased exports of the	
3-137. line 29	Area"	CVP/SWP operations.	
	"In cases where farming is no longer feasible or		
	compatible with floodplain habitat goals,		
	discontinue farming within the setback levees		
	and allow native riparian vegetation to naturally		
	establish on the floodplain or actively plant		
3-138, line 33	native riparian vegetation."	Perennial vegetation in the floodplain will adversely affect flood flow capacities. These are not flood neutral actions.	
		This means that the BDCP is anticipating a restoration action can be further developed, go through the entire environmental review,	
		permitting, contractor selection, construction preparation and implementation process in less than 10 years. Add it up, it does not	
		work and the BDCP will miss this schedule commitment. For any actions less than 15 years out, the BDCP must include them at a	
	"At least 10 linear miles would be enhanced by	project-level of detail in this BDCP environmental document or it is certain they will miss their implementation schedule. This BDCP	
3-139, line 24	year 10 of Plan implementation;"	HCP planning process has already been 7 years in the making and it is not even past public comment yet.	
	"Because of the riprap armoring on many		
	levees, adjacent channel margins are devoid of		
	vegetation or have only low quality vegetation		
	that provides very limited benefits for covered		
	species. Without vegetation along channel		
	margins to provide shade and nutrient inputs,		
	habitat value for covered fishes in these		
	channels has declined. Both the quality and		
	quantity of riparian, emergent wetland, and		
	tidal mudflat habitat for covered terrestrial	It is the USACE's requirement for no levee vegetation that has reduced the riparian habitat quality. Look at the levees in Elk Slough.	
	species have declined as a result of channel-	The habitat is diverse, provides cover, shade and a huge and diverse food base. Levees are not the problem, naked rip wrap mandated	
3-139, line 29	margin levees."	by the USACE is.	

3-154 line 29	"CM13 would provide for the control of Egeria, water hyacinth, and other IAV throughout the Plan Area."	The dictionary definition of "control" that is applicable to this BDCP claim is: "to eliminate or prevent the flourishing or spread of". These are lofty goals that are impossible for the BDCP to achieve. The BDCP will agree that it will not and cannot eliminate these aquatic weeds. Can the BDCP prevent the spread of these aquatic weeds? The answer is "no" and the mechanical removal of them will actually be the mode of action that mobilizes them for an increased rate of spread. The BDCP plan could temporarily stop them from flourishing, but that is not the same as "preventing" them from flourishing as in the definition of control. It is clear even from this cursory analysis that the BDCP cannot and will not "control" these aquatic weeds. The BDCP must revise this CM to reflect what benefit it can realistically provide rather than the current substantially overstatement of benefits.	
3-167 line 35	"3.6.3.11 Avoidance and Minimization Measures (CM22)"	These are all mitigations of impacts that only occur with the implementation of the Proposed Project. They minimize the amount of impact the project will have on covered species, but this does not contribute to conservation. Because these are only mitigations for project impacts they cannot be credited as contributing to conservation. The BDCP must remove these as a CM and correctly represent them as mitigations. Most of these mitigations are only commitments to create a plan in the future. Plans have no impacts or benefits so the commitment to create a plan must not be credited for any mitigation or contribution to recovery. Others of these are commitments to follow building codes, etc. These are legal requirements of the project, so these also do not contribute to mitigation or conservation. Consultation with other agencies is also not a mitigation or contribution to recovery.	
3-177 line 26	"However, because of the many factors affecting the ability to transfer water through the Delta, the actual quantities of water transfer water that may be facilitated as a result of the BDCP is speculative."	It may be speculative for how much excess capacity may be utilized in future water transfers, but it is not speculative to quantify how much excess capacity is created by the BDCP conveyance and project. As an example, the Lower Yuba River Accord water transfers through the delta and through the CVP/SWP system are very constrained by the lack of available unused capacity of the CVP/SWP. One of the impacts of the BDCP project will be to substantially increase the operational flexibility and utilization capacity of the system. The BDCP EIR/S must quantify and compare the amount of unused CVP/SWP capacity in the No Action and in the Proposed Project and alternatives. The increase in unused available capacity is potentially growth inducing so this impact must be evaluated, quantified, disclosed and mitigated - see related comments. The BDCP operations assumed that Reclamation would be a 100% partner in using all of their capacity through joint operations the would utilize the BDCP facilities. According the page 181 line 16, Reclamation will not be an owner or operator of the BDCP facilities and may or may not even wheel water through the BDCP facilities.	
3-181 line 13	"All CVP maintenance described in this section is a federal action associated with the BDCP (or an alternative) and will be covered in Section 7 consultation."	If Reclamation had done a section 10 consultation, then they would not have had any nexus with the BDCP project at all. Reclamation never did have a reason to participate in the BDCP project and it certainly did not have the project nexus to be the lead federal agency and equal co-funding entity of the BDCP EIR/S.	

new intake and conveyance facilities, and their operations would be covered activities as described in Section 3.6.4.2, Reclamation would Reclamation will not be an owner or operator of the BDCP facilities. Even Reclamation's roll for wheeling water through the BDCP	
operations would be covered activities as described in Section 3.6.4.2, Reclamation would Reclamation will not be an owner or operator of the BDCP facilities. Even Reclamation's roll for wheeling water through the BDCP	
described in Section 3.6.4.2, Reclamation would Reclamation will not be an owner or operator of the BDCP facilities. Even Reclamation's roll for wheeling water through the BDCP	
described in section 5.6.4.2, reclamation would reclamation with for be an owner of operator of the bbcr facilities. Even reclamation sholl for wheeling water through the bbcr	
likely anter into an agreement with DW/R to Ifacilities is sneeylative according to this gueta. Civen Reclamation's new rell in the RDCD Reclamation should never been a federal	
inkely effer into an agreement with DWW to admittes is speculative according to this quote. Given rectainations into in the body, reclamation should rever been a federal	
wheel CVP water through the new facilities, and lead agency in this project. USEWS and/or NIMES must take over all administrative responsibilities as lead agency from Reclamation.	
this action by Reclamation would be an Reclamation must explain why it provided equal amounts of funding for the environmental planning and predesign project	
3-181 line 16 associated federal action." engineering process for a project it will have no roll or ownership in.	
There is not one single element of the BDCP Proposed Project conveyance or operations that meet the test of being a project-level	
impact analysis. The BDCP does not know the exact location or footprint (they give ranges) of the intakes or hydrodynamics of the	
intake screens in operation under a range of flow conditions - see related comments. The BDCP has not done any modeling of the	
"All operations of new intake and conveyance intake hourly and daily operations - see related comments. The tunnel route has changed and there are no volumetrics on the	
facilities are included as either covered amount of cement to be used - see related comments. The BDCP has not defined or disclosed what make and model equipment will	
activities or federal actions associated with the be used in what locations for what hours over what period - see related comments. The BDCP says they have not defined what the	
BDCP (or an alternative) and the effects of those tunnel conveyance maintenance operations will be yet - see related comments. The water operations are interdependent with the	
activities/actions are addressed by the BDCP water quality impacts of the habitat restorations - see related comments. The habitat restorations are not even really described at a	
3-181 line 20 and at a project-level of detail in this EIR/EIS." programmatic level. In order to have project-level operations, the habitat restorations impacts on water quality (that will often dictate	
"No more than 300 cfs can be diverted at any	
3-182 line 25 one intake." This is worded as an instantaneous measurement, not as an average as the next sentence seems to imply.	
Freeport cannot be used to measure flows at the intakes. The intakes are substantially deeper into the tidal prism than the proposed	
intake locations. The southernmost Proposed Project intake is easily 10 river miles downstream of the Freeport Gage. When was the	
last time the Freeport Gage was calibrated and how often does the BDCP propose it would be recalibrated? From the description, it	
sounds like only the flows at Freeport would be used to determine intake operations and compliance. The BDCP fails to take into	
account diversions that occur below the Freeport Gage but above the intakes, e.g. RD999 300cfs diversion just upstream of Clarksburg	
into Winchester Lake. The BDCP's description does not take their own diversion volumes into account either. If Freeport Gage is at	
5,000 cfs the way this is written, if RD 999 and the three Proposed Project intakes were each taking their 300 cfs of water, then the	
"While referred to as constant, pumping would flow at/below the downstream most BDCP intake would be 3,800cfs - a clear violation of the intent of the low flow diversion	
3-182 line 26 vary with flows at Freeport." operating compliance requirement.	
Where is the disclosure of the operations of the north delta intakes to maintain minimum sweeping velocities under tidal conditions?	
3-183 line 15 North Delta Intake Operations Criteria See related comments.	

		This bypass flow criteria is not well thought out. With flows at 5,001cfs at Freeport, the BDCP can run each intake at 300cfs. The	
		BDCP fails to take into account diversions that occur below the Freeport Gage but above the intakes, e.g. RD999 300cfs diversion just	
		upstream of Clarksburg into Winchester Lake. There are a number of other intakes in this reach that amount to another potential	
		couple hundred cts of diversions. The BDCP's description does not take their own diversion volumes into account either. If Freeport	
		Gage is at 5,001 crs the way this is written, if RU 999 and the three Proposed Project intakes were each taking their 300 crs of water,	
		then the now all below the downstream most buck intervention because a clear violation of the intervention of we now now alversion approximation of the intervention o	
	"5 000 cfs to 15 000 cfs - Flows remaining	operating compliance requirements and this would dewate other water supply intakes and have significant water quarty impacts. In the supply intakes and have significant water quarty impacts in the supply intakes and have significant water quarty impacts.	
Table 3-16	after constant low level numping"	is a boot alternative with a material memory of the material material and be 3,000 ers of 120 rds (usation and example a distribution of 200 rds of 100 rds of flow in the Saramanta River above Sutter Charles Confluence is a horrible idea and has m	
Table 3-10		average byoast flows will do nothing to protect fish at the intake screens from inadequate sweeping velocities. Still nowhere in	
		these north delta intake operations descriptions is there anything regarding how they will be operated under tidal low velocities, slack	
	The cfs used here seem to be daily averages, but	tide zero velocities or tidal reverse flows that occur in the river reach where the proposed intakes would be located - see related	
Table 3-17	that is not disclosed.	comments.	
	"open the 17.5-foot and 11.5-foot elevation		
	gates when Sacramento River flow at Freeport		
	is greater than 25,000 cfs to provide local and		
	regional flood management benefits, while	If the flow at Freeport is at 25,001cfs, the BDCP will open the Fremont weir gate and divert somewhere between 3,000 to 6,000cfs.	
	coinciding with pulse flows and juvenile	Even taking the more favorable interpretation, the flow after opening the Fremont Weir gates would be 22,000cfs at Freeport. Would	
	salmonid migration cues, and to provide	the BDCP then shut down the Fremont Weir gate because Freeport is below 25,000cfs? If they do as this is worded, then the frequent	
	seasonal floodplain inundation for salmonid	opening and closing of the Fremont Weir gates would cause horrific amounts of fish stranding in the Yolo Bypass. Obviously it makes	
	food production, juvenile rearing, and	no sense to use a downstream gage as the basis for an upstream operation as the BDCP has proposed, especially when the flow of the	
	spawning. This action based on modeling	American River is between those two locations. The BUCP should use the gage on the sacramento River downstream of the Feather	
	assumptions would cause Yolo Bypass	River confluence. The BDCP has also never been clear that these bypass diversion flows will be accounted for in the intake bypass	
2-197 line 17	river stage "	operations chemical. The bOCF must demonstrate and specifically claring that these oppositions are subtracted from the nows that	
3-187 IIIIe 17	ivel stage.	win be used to calculate compliance with the intake uppass requirements - see related comments. This is another example of a propos	
	"The in-Delta municipal, industrial, and		
	agricultural water quality requirements criteria	It is these water quality operational requirements that will be directly affected by the BDCP implementation of the aquatic habitat	
	would require the SWP and CVP to comply with	restorations. The impact analyses of these consistently identifies that water quality coming out of these habitat restorations into the	
	existing agreements with water rights holders	rest of the delta will be lower due to concentration of contaminants from reduced rate of water turnover (refreshening) and from	
	related to operations of the SWP and CVP.	concentration from evaporation. When these lower water quality volumes from the BDCP aquatic habitat degrade water quality at	
	These requirements include water operations in	these compliance points, the BDCP will have to alter their conveyance water operations to comply. These can be major water	
	accordance with State Water Board D-1641	operations changes in response to water quality degradation such as shifting from north delta diversions to south delta diversions or	
	related to north Delta and western Delta	reducing the amount of diversions. This is why the aquatic habitat restorations must be at a project-level of detail if the BDCP wants	
	agricultural and municipal and industrial	their water operations to be analyzed at a project-level of detail. In the current BDCP EIR/S analysis, because the water operations	
3-188 line 24	requirements"	have insufficient information on the location, size, design characteristics (e.g. water depth, intertidal hydraulic complexity, levee breac	

	"SWP water contractors contractually agree		
	to repay all SWP capital and operating costs		
	incurred for the water supply and fish and	The entire HCP/NCCP is a mitigation for fish and wildlife impacts from the CVP. The CVP contractors are therefore responsible for	
3-209 line 20	wildlife mitigation features."	paying for all of the conservation measures and mitigations for the BDCP, not the public - see related comments.	
	"One funding method would be to use existing		
	payment provisions of the SWP Water Contracts		
	under which DWR would charge the SWP water	This sounds very uncertain. Either they should know this is how they will pay for it or not. This does not rise to the level of certainty	
3-210 line 3	agencies for the costs of the BDCP"	of funding required to approve the HCP or issue take permits.	
	"A consideration if all SWP contractors must		
	participate in funding BDCP as a condition of an		
	amendment is whether the costs to all	This sounds very uncertain. Either they should know if the water contractors can afford to pay for it or not. This does not rise to the	
3-210 line 22	contractors are feasible."	level of certainty of funding required to approve the HCP or issue take permits.	
	"Water Contract amendments or new funding		
	agreements for implementing BDCP that include		
	provisions for allocating benefits, such as more		
	reliable water supply, to contractors who pay		
	for BDCP, could create the potential for	Exactly, this is why the updating and revising the Coordinated Operating Agreement must be part of the scope of the BDCP - see	
3-210 line 27	redistributing SWP water south of the Delta."	related comments.	
	"If the final agreements or amendments have		
	potential to have an environmental effect not		
	already contemplated in the BDCP EIR/EIS, DWR		
3-211 line 1	would prepare additional analysis."	This is called piece-mealing the environmental impacts of a project and it is in violation of NEPA and CEQA.	
	Covered activities do not address all of the	The EIR/S did not include analysis of impacts from on-going CVP/SWP operations, including: leaks, salt accumulation, erosion loss of	
	current CVP/SWP system (upstream tributaries,	habitat, degradation of beneficial uses, disposal of contaminants, greenhouse gas contributions, etc. Since this document does not	
Covered	existing canals or on-going affects of CVP/SWP	address the existing facilities maintenance and operating impacts, the BDCP cannot be awarded any permits for coverage on these	
Activities	operations and water deliveries.	activities.	
		The BDCP is seeking permit coverage for current CVP/SWP maintenance activities. Some types of maintenance could appropriately be	
	Some aspects of the covered activities that the	described at a program level, e.g. weed control, but other maintenance activities such as dredging in front of intakes and sediment	
	BDCP is seeking immediate permits on were	disposal need to be described at a project level as they both have very specific impacts. The BDCP does not provide an adequate level	
	only analyzed at a programmatic level.	of detail for these types of high impact activities and therefore any permits issued should not cover these activities.	
		Given the level of certainty of the function of the conservation measures, climate change and other sources of impacts to the ITP	
		covered species that could substantially alter their conditions and the relative needs for conservation from this project, a 50 year	
		permit is too long a period. FERC hydroelectric facility licenses typically only last 25 to 30 years for this reason of anticipated changes	
	A 50 year duration for the ITPs is too long for	in circumstances and therefore a more frequent need to update the license terms. The BDCP has many project aspects that are more	
	the uncertainties and lack of detail included in	prone to uncertainty than a hydroelectric facility relicensing. As an example, sea level rise is a major risk and change in circumstance	
	many important parts of the project description	for the BDCP project that is typically not a factor in the uncertainties constraining the appropriate duration of hydroelectric facilities	
	and analysis.	licensing. The uncertainties in sea level rise impacts alone should limit the duration of the ITPs for the BDCP.	

	The pace of the amount of habitat lost to conveyance construction occurs at a much faster pace than the restoration and functional	
	development of habitat restoration CMs. The level of detail provided in the EIR/EIS does not even allow a detailed accounting of	
	habitat loss by type (species) by year or an accounting of the type and quantity by year of fully functioning habitat restoration or	
At no time should the project be allowed to	mitigation, so a detailed analysis to quantify this shortfall is not even currently possible. Degradation of habitat conditions have led to	
degrade or reduce the amount or quality of	the listing of the species that the BDCP proposes to cover. Since the purpose of the HCP/NCCP is to conserve and protect the covered	
habitat or reduce species populations in the	species, the project should not be allowed to result in a net negative quantity and quality of habitat for the listed/covered species at	
course of the implementation of the project.	any point in time during the BDCP project.	
The conveyance facilities and operations should	1	
not be called a "conservation measure" unless	The document does not conclude that the conveyance and operations result in a reduction in take, so it does not meet the test of	
they actually contribute to conservation.	what should be called a conservation measure.	
Some of the other stressor conservation		
measures would be implemented by third	Since the BDCP cannot guarantee the function or overall funding or even future existence of these third parties, the CMs implemented	
parties, e.g. invasive species removal, illegal	by these third parties do not meet the test of certainty and the potential benefits from these CMs should not be relied upon in	
fishing, etc.	determining contribution to conservation and justification for issuance of the ITPs.	
Habitat restorations are the majority		
contributor to the conservation of the species		
that justify the take permits that are the		
objective of the project and allow the SWP to	The beneficiaries of the project, the SWP water contractors should have to pay for the habitat restoration project, not the public	
operate.	through the public trust resource agencies.	
	The BDCP is proposing to restore many of the same lands that are currently part of HCPs being developed by the delta counties:	
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	Sarramento San logouin Yolo Contra Costa and Solano. The BDCP's plan is in direct and significant conflict with these other local	
	and regional plans. These other HCPs were initiated first are more developed/further along the approval process have more specific	
	plans (not just the nebulous and programmatic undefined future to be defined later proposals of the BDCP) and are closer in timing to	
The BDCP plan materially conflicts with other	implementation and contribution to the conservation of these species. The BDCP is disrupting the efforts and plans of these other	
habitat conservation plans (HCPs) that are in	HCPs to protect and conserve the many of the same terrestrial species as the BDCP proposed covered species. Because of this BDCP	
various planning and implementation phases in	direct conflict with the other plans, the BDCP is actually reducing the overall near- and mid-term conservation of these species. This	
the same locations/areas and same terrestrial	conflict with other HCPs and the resulting reduction in conservation for the BDCP proposed covered species was not adequately	
species that BDCP proposes.	discussed or disclosed in the BDCP EIR/S. This significant direct impact to habitat that would have otherwise been created and implem	
	The BDCP Proposed Project does result in a reoperation of the CVP/SWP reservoirs, so the impact analysis that omits those effects is	
The BDCP impact analysis does not include the	incomplete and deficient. further, because of this omission, the incidental take permits and covered activities should not cover	
CVP/SWP reservoir operational impacts.	reservoir operations, maintenance or their related impacts.	

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	The description of operations and maintenance of the Proposed Project tunnel conveyance facilities do not include disposal of	Water in the tunnels during periods of no diversions and water with extended periods in the tunnel from low diversion periods (500 cfs will result in a one week transit time) will have all the oxygen consumed from the water from biological oxygen demand. This will happen quickly in the nutrient rich and biologically active water diverted from the Sacramento River. Microbes will consume the oxygen and plankton that dies from lack of sunlight will consume additional oxygen as it decomposes. Once the oxygen is depleted the water will go anaerobic and anoxic. It will form taste and odor components that will methylate the water in the tunnel unsuitable for drinking water without significant water treatment. The anaerobic conditions will methylate the mercury in the water and accumulated in the tunnels creating a human and animal health hazard and a disposal and treatment problem for the CVP/SWP. The	
	contaminated water from water stored in	SWRCB 401 permit for the project should thoroughly address this water quality degradation and discharge issue and waters from the	
┝	tunnels during nonoperational periods.	tunnel should not be allowed to be discharged into the delta or the CVP/SWP canals until it is treated to appropriate waste water disch	
		The BDCP has proposed a number of actions that will require them taking over responsibility for facilities maintenance for the life of the project. In other cases, mitigations are responsibilities of the project in perpetuity. These obligations of the project to maintain facilities for the life of the project or in perpetuity include: relocated diversions of other affected surface water rights holders (e.g.	
L		Barker Slough and other Cache Slough intakes proposed to be relocated, surface water diversions on the Sacramento River that are moved or replaced due to the footprint of the intake facilities, maintenance of fish screens that are installed on surface water	
1		diversions (CM), and replumbed delta Reclamation Districts that have their water supply and drainage ditches disrupted by BDCP	
1	Covered activities do not include maintenance	conveyance, tunnel muck disposal and habitat restorations (e.g. Andrus Island). The BDCP has failed to identify, characterize, quantify	
L	of all facilities that the BDCP will have to take	or disclose these needed covered activities for maintenance of other facilities. The BDCP document is incomplete and deficient. Once	
┝	responsibility for in perpetuity.	these glaring omissions have been rectified, these will be material changes to the document that will warrant it being recirculated for g Framont Weir and Yolo hypass are USACE facilities. The BDCP does not have jurisdiction, permission or even a letter of agreement	
ĺ		from the USACE authorizing them to modify/improve/maintain these facilities. Since the BDCP does not have authority, jurisdiction or	
1		authorization to modify these facilities and seems to have made no material effort to obtain them, the agencies utilizing the EIR/S	
1		document to support decision making regarding issuing permits, the EIR/S should not be considered as providing adequate assurances	
1	would also include improvements and routine	that the BUCY will or even can fulfill its promises. Without consent of the USACE at this stage of the project for these modifications and maintenance activities, the agencies issuing permits should assume that the BDCP will not receive these permissions and	
	maintenance of the Fremont Weir and Yolo	therefore any potential contribution to conservation of species for conservation measures related to these facilities should be	
L	Bypass"	discounted and attributed with no contribution to species conservation.	
Г			
		The BDCP description of covered activities of these facilities is incomplete, misleading and is inadequate in level of detail to merit	
L		issuance of coverage under permits. As an example, the BDCP document does not identify, characterize, quantify or disclose the	
1		amount, timing, type, frequency and locations of dredging to maintain the channel approach to the fish ladders from the river and for the channels leading from the hypass to the fish ladders. High flows can regularly grave these channels that are required for fich	
		passage to be functional and dredging could be required on an annual or even more frequent basis. Dredging is a high impact activity	
	The BDCP EIR/S states, "This covered activity	and the BDCP provides no detailed description of these activities sufficient to allow any meaningful analysis or disclosure. Further, the	
1	would also include improvements and routine	BDCP provides no measures to avoid, minimize, or mitigate the significant impacts that always occur with dredging of any level of	
	maintenance of the Fremont Weir and Yolo	scope. The BDCP EIR/S is incomplete in its analysis and disclosure, is deficient and requires this additional analysis, should be	
L	Bypass"	recirculated after this analysis is completed and should not be provided with coverage of these activities without the additional level o	

	Either the BDCP covered activities are only in the Sacramento-San Joaquin Delta (Delta) and vicinity or the BDCP is in direct conflict	
	with the Federal Register Notice. The CVP/SWP conveyance and facilities in the San Joaquin Valley, Central Coast, South Sierra	
	Foothills and Tehachapi's and south cannot be considered in the vicinity of the delta and therefore the proposed covered BDCP	
The 75940 Federal Register / Vol. 78, No. 240 /	activities do not address the maintenance and operations in these areas. Without coverage for operations and maintenance activities	
Friday, December 13, 2013 states that the	in these areas, the BDCP will still be in violation of the permitting requirements for the project. The lead and responsible agencies	
covered activities are only "in the Sacramento-	should not issue permits for the CVP/SWP for operations and maintenance in these service areas that are specifically excluded in the	
San Joaquin Delta (Delta) and vicinity."	covered activities area according to the Federal Register Notice.	
	Since no actions by the project to conserve or restore the species will have been implemented at the time of permit issuance, what is	
	the justification for NMFS and FWS to have the species coverage effective as of the permit issuance? It would be more defensible for	
	the agencies to establish performance/project implementation thresholds for the effective ITP coverage. Additionally, DWR and	
The 75940 Federal Register / Vol. 78, No. 240 /	Reclamation have not yet implemented the RPAs that the NMFS and FWS Biological Opinions required in order for the CVP/SWP to	
Friday, December 13, 2013 states that "take	avoid jeopardy of listed species. Until those RPAs are implemented, by the BO definition, those species populations remain in	
authorization of covered listed species would be	jeopardy. An ITP should not be issued until the BO RPAs have been completed and there is sufficient certainty of conservation	
effective at the time of permit issuance."	benefits to the species before the ITP coverage should come into effect.	
The 75940 Federal Register / Vol. 78, No. 240 /		
Friday, December 13, 2013 states that, "The		
Applicants seek 50-year incidental take permits		
for covered activities within the proposed Plan		
Area. The Plan Area encompasses the Delta and	The Plan Area defined in the EIR/S does not include the CVP/SWP reservoirs or tributaries upstream of the delta, nor does the	
additional areas in which conservation	document address any impacts of the CVP/SWP that are currently occurring in these areas or would result from the proposed project	
measures may be implemented pursuant to the	or alternatives. As a result of the exclusion of these geographic areas from the EIR/S and impact analyses, the ITPs and any other	
Plan."	permits issued to the BDCP cannot be not inclusive of the reservoirs and upstream tributaries.	
	As an example of the deficiency of the description of the proposed aquatic habitat restorations, the current descriptions do not	
	identify and are insufficient to determine if the aquatic habitat restorations would be sediment sinks or sources. This is an important	
	water quality impact factor, so without this necessary level of detail, the potential impact of the proposed aquatic habitat restorations	
There is insufficient information on the design,	cannot be determined. There are additional deficiencies in the description of the aquatic habitat restorations that do not describe the	
function, size, location, timing, sequence of	depth of water and rates circulation. This information is required to evaluate if the aquatic habitat restorations would promote	
implementation and combinations of habitat	mercury methylization impacts. Since these questions can't be determined, even at a programmatic level based on the level of	
restoration actions to evaluate the effects on	description of the habitat restoration measures, the agencies cannot justify issuing permits on the BDCP project or credit these habitat	
species even at a programmatic level.	restorations with contributions to conservation.	

l		The BULP does not describe or disclose the proposed aquatic habitat characteristics in a level of detail sufficient to support the	
I		evaluation of the nature and magnitude of impacts from these actions. The BDCP description of these actions does not disclose water	
I		depth, substrate, in-situ and mobilized contaminants, channel complexity, turbidity, food base, hydraulic characteristics of tidal	
I		interchange, time requirements for nabital functionancy to develop after implementation (nabitals are not immediately functionan	
I	Aquatic habitat restoration plan level of detail is	and channel and vegetation equilibrium will not be reached tor years or even decades), and hydraulic complexity development.	
I	insumcient to anow any meaningful analysis of	without these specific descriptions of the proposed aquatic habitar restorations, there cannot be an appropriate evaluation of	
I	environmental effects or understanding of	methylization of Hg, turbioity, DO, concentration of saits and other water quality constituents from evaporation and transpiration,	
I	Interactions of these actions with the CVP/SWP	nabitat type and quarty, contribution to species conservation, and other water quarty impacts. The buck description of the proposed	
ŀ	operations.	aquatic habitat restorations and their analysis of them are dericent and are insufficient to support issuance of incidential take permits.	
I		button slough and witcommerky winiamson match are both nabilitar resconduous proposed for hear-term habitat resconduous as part of the	
I		by consistent any increase and in the process of the provided of the process of the proces of the process of the process of the process of the proces of the	
I	Habitat restarations proposed in the RDCD as	to separate environmental analysis is piece-meaning which is megal, in these restoration actions are to be included in the bUCr, the	
I	nabilat restorations proposed in the BDCP as	other environmental documents should be incorporated in their entirety into the bDCP city's and their impacts integrated with the	
I	part of the project are being analyzed in	impacts of the set of the BDCP proposed project. Other near-term nabital restorations should also be included in the BDCP Ency at a	
I		project rever of analysis and not carried forward in separate environmental document/planning processes in order to avoid additional	
ŀ	bber Elitys.	piece-meaning.	
I		as an example, in an of the intertudal nabitat instruction were to excise than if the came shough complex and at one time, it would have a vary different impact on water quality and value to specific socials than if the came smouth of intertial babitat was implemented in	
I	The timing sequence and combination of	the eastern delta. In order for an adoption of adjustion of the impacts of the proposed project equation builts restorations to	
I	notantial habitat restoration has been left too	the eastern relia. In other for an adequate evaluation of the impacts of the proposed project aduatic habitar restorations, to	
I	vague to be functional to determine impacts or	of contributions to conservation by species the BOCP FIR (s document is definient should be revised to include and analyze this level	
I	hangits to specific species	of dotail and should be resized and by species, the bbr r links documents dented, should be revised to include and analyze this level of dotail and should be revised to include and analyze this level	
ŀ	benefits to specific species.	or detair and should be recirculated after these material changes have been made.	
I	ITPs should be issued with specific expectations		
I	about the timing magnitude location and	If the implementation of the project does not conform to the scenario of habitat restoration that was analyzed and the impacts	
I	characteristics of habitat restorations	in the implementation of the project does not be instified in the issuance of take nermits	
ŀ			
I	The ITPs should not be effective until a targeted	A commitment by the BDCP does nothing to actually benefit the species until the related actions are implemented and verified as	
I	amount of species conservation and recovery	successful in contributing at their planned level of contribution to conservation of the proposed covered species. the OCAP BO RPA's	
I	have been implemented and the function and	for the CVP/SWP (not yet implemented by DWR and Reclamation) are designed to avoid isopardy for the current CVP/SWP project	
I	contribution to recovery verified through	and operations. Until the BDCP delivers the actual planned conservation benefits to the proposed covered species, there is no	
I	monitoring and evaluation of the project.	iustification for the agencies issuing ITPs.	
L			

			The BDCP proposes goals for various conservation measures and monitoring programs, but there are no meaningful or functional	
			such as juvenile salmonid escapement improvements or improvements in reduction of predation related to the south delta operations	
			are levels of improvement and survival that are not practical to monitor at a level of accuracy that is scientifically defensible. There is	
		The Biological Goals and Objectives are not	not a single study that has ever been published on juvenile escapement survival that is statistically defensible to a population or	
		specific enough to support the use of adaptive	survival rate within a margin of error of plus or minus 10% or less. Yet BDCP goals and adaptive management program criteria are	
		management and there are no specific	proposed for levels of improvement that are less than this - see following comment. These BDCP adaptive management proposals are	
	Adaptive	quantitative threshold condition triggers for	unimplementable at the level of detail, resolution and statistical defensibility. The BDCP should revise their conservation measure	
	Management	adaptive management changes.	goals and adaptive management triggers such that they are practicably monitorable in a statistically defensible and accurate manner so	
		Matheds proposed to measure babitat and		
		methous proposed to measure habitat and		
		species population conditions are not accurate	As an axample, it is infeasible to measure with a statistically defensible reliability in 75% fish survival from salvage operations or a 2%	
		sot in the biological goals and objectives	As an example, it is measure to measure with a statistically detensible reliability, a 75% fish survival non-savage operations of a 2% increase in investible collegation accession and	
		set in the biological goals and objectives.	Increase in juvernie samme scapement.	
		The project is implementing a number of	which concurrently implemented conservation measures are working and which ones have failed and are not contributing to	
		conservation measures simultaneously that are	conservation and recovery? Unless this question can be answered, the BDCP cannot successfully adaptively manage the pronosed	
		intended to benefit the same species that the	project actions and therefore the credit attributed to the adaptive management of these actions for contribution to conservation	
		project proposes to adaptively manage.	should be discounted and not contribute to the justification for the issuance of ITPs.	
			The potential adaptive management changes to the conservation measures were not sufficiently defined as allow analysis of those	
			contingencies nor did the BDCP EIR/S include an analysis of the impacts of those adaptive management programs. Near term habitat	
			restoration conservation measures are proposed by the BDCP and they seek construction level permits to implement them, but they	
			do not analyze the potential adaptive management impacts of those actions. This means these near-term actions have not been fully	
			analyzed and do not warrant issuance of construction level permits. Since the adaptive management measures are core to the BDCP	
		Adaptive management of conservation actions	assurances of achieving contribution to conservation, the adaptive management measures should not be subject to analysis in a	
		has been repeatedly identified by the BDCP as a	subsequent environmental document unless the permits related to implementing the conservation measure are also dependent upon	
		(false) assurance of an conservations measures	that subsequent environmental document. In order to remedy this deficiency of the current document, the BDCP should provide	
		contribution to conservation.	adequate level of detail of adaptive management measures for these near and mid-term habitat restoration conservation measures an	
			There are environmental impacts from continuing programs and there are losses of benefits from discontinuing programs even if they	
		The BDCP proposed project is unclear on if a	are only partially successful. The BDCP has not defined how, when, why or any other details regarding the cessation of conservation	1
		conservation measure fails to meet objective if	measures that are purportedly adaptively management. If you cannot even define how, why or when a program would or would not	
1		the program is terminated or not.	be terminated, how can you claim you are adaptively managing it?	1

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Г			The BDCP proposed project does make it possible for them to cancel many of the proposed conservation measures even though they	
L			failed to provide clear triggers for this. With the possible cancelation of so many of the proposed conservation measures the agencies	
L		The level of detail (and lack thereof) describing	must evaluate how much contribution to recovery would remain for each proposed covered species if the BDCP were to terminating	
L		potential adaptive management actions and	all of the conservation measures that the plan would allow them to do. If they were to cancel all of the conservation measures the	
L		specific triggers (and lack thereof) for adaptive	BDCP proposed project allows them to there would be little remaining to contribute to species conservation and no justification for	
L		management implementation do not provide a	the agencies to issue ITPs. Since this is a possible or even likely outcome given the uncertainties of the performance of the proposed	
L		sufficient level of certainty sufficient to support	conservation measures and the limitations to the accuracies of the proposed performance monitoring methods, the agencies cannot	
L		permitting.	be justified in issuing the ITPs.	
F			The baseline timeframes of the No Action and No Project are not the same and require different assumptions regarding what the	
L			CVP/SWP operational commitments and requirements and climate change. Plans and programs which do not exist in the No Project,	
L			but are easily and reasonably foreseeable in the No Action condition do have operational and other related environmental affects that	
L		The BDCP FIR/S Executive Summary states, page	interact on the CVP/SWP operations and with the direct, indirect and cumulative impacts of the BDCP Proposed Project. The No	
L		ES 25 that "Because the BDCP No Action	Project definition should contain all existing operating commitments of the CVP/SWP and all other approved and reasonably	
L		Alternative assumptions are consistent with the	foreseeable plans, programs and policies at the time of the issuance of the Notice of Preparation (2009) and should not include	
L		requirements and limitations prescribed by	climate change assumptions. The "future" No Action incorporates all of the assumptions of the No Project plus additional conditions	
L		CEOA the No Action Alternative also represents	that can be anticipated at the future date(s) which would include implementation of additional plans, projects and policies: climate	
L	No Action Alt	the No Project Alternative "	that can be an accurate provide the future drawdown of groundwater in CVP/SWP service areas and conditions a grifting drawdown of groundwater in CVP/SWP service areas and future groundwater guality in CVP/SWP s	
F	No Action Alt	the no ribject Alternative.		
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L			The bbcr project goes through several distinct phases of implementation and therefore has environmental anects that change	
L			significantly during the implementation period of the Proposed Project. There is an initial period of the proposed project where it has	
L			proposed some limited scope nabitat restorations and will be destroying and disturbing nabitat in the construction of the conveyance	
1			racilities. These impacts should be considered the first near-term analytical milestone in the project as it appears likely that the BDCP	
			project will result in a net negative affect on species during this period. The Proposed Project (HCP/NCCP) should never result in a	
1		The interim period definitions of the No Action	condition that is a net negative on the species it is supposed to protect and restore or the incidental take permits should not be issued	
		are incorrect and inadequate to appropriately	to the BDCP. The initiation of operations of the conveyance would be the next appropriate analytical milestone for analysis and next	
		identify and disclose the impacts of the BDCP	date a No Action definition should be established. This second No Action interim period would isolate the impacts of implementing	
1		Proposed Project and alternatives.	the proposed conveyance operations. By isolating the implementation of the proposed operations from the near-term and mid-term	

Habitat restoration actions that are part of the No Action condition are included as Conservation Actions in the BDCP proposed project.	Habitat restoration actions that are required from the 2009 OCAP BOs are included in the description and scope of the Proposed Project Conservation Measures. Almost 5 years after the Reasonable and Prudent Actions (RPAs) of the OCAP BOs became the law, DWR and Reclamation have made no tangible progress at all in implementing these measures - see related comments. The BDCP has correctly included some of the RPAs into their No Action definition, but left other RPAs out, e.g. reoperate Shasta flood reserve and fish passage at all dams - see related comments. The BDCP definition of their conservation measures includes the scope of some of the RPAs, e.g. CM2 and CM5. The scopes of these conservation measures are inclusive of the requirements of the RPAs, but are not the same as the RPAs. The BDCP has muddied the comparison of the Proposed Project to the No Action by incorporating No Action restorations into the Proposed Project. To make a clean and appropriate comparison, the BDCP should have excluded the RPAs from their Pronosed Project. The BDCP has muddied the comparison the Proposed Project to the Not Yet Implemented". This way the N	
comment continued	The smelt will not benefit from the shallow water rearing habitat because it is too shallow to be suitable for smelt habitat and does not generate food base for them. The smelt would incur an net negative impact from this example habitat restoration from the increased predator pressure. This example is a very real risk associated with the Yolo Bypass and Cache Slough restoration actions proposed by the BDCP as some of the highest populations of smelt have been observed in this geographic area under the current (un- BDCP restored) conditions. When aquatic habitat is first inundated, as in when a aquatic habitat restoration is first implemented, there is a net negative on fisheries conditions. This phenomenon is well documented with levee breaks and flooding of islands. The amount of potential habitat is increased with the initial inundation, but the habitat functioning has not occurred (no local food base generation, broken food chains) and water quality conditions are very poor (high turbidity, dissolved oxygen sags or crashes, mobilized contaminants, etc.). Fish that are sucked into the new inundated area are subjected to reduced quality of habitat and reduced food base	

	By including No Action/Project elements into the BDCP Proposed Project/Action (e.g. CM2 and CM5), the BDCP has muddled the	
	clarity and the purpose of a comparative environmental analysis to isolate and disclose the impacts of implementing proposed project	1
The BDCP Proposed Project/Action includes	actions. The BDCP Proposed Project (alt 4) and alternatives CM2 incorporates 8,000 acres of aquatic habitat restoration that are	1
some actions that are part of the No Action	mandated by the OCAP Biological Opinion from 2009. In the example of CM2, the BDCP No Action/Project should have included the	1
condition but that have not yet been	8,000 acres of aquatic habitat restoration in the No Action and proposed and described any additional habitat restoration in the	l
implemented in the No Action nor do those	proposed project as separate and in addition to those 8,000 acres. The same goes for the misrepresentation of the No Action	1
actions have coverage by any other previous	component of CM5. DWR and Reclamation have abused their agency discretion by combining unimplemented No Action/No Project	1
environmental document or analysis.	condition actions with the BDCP Proposed Project and alternatives.	l
	The covered activities described in the BDCP EIR/S include implementation and maintenance activities for actions that are included in	
	the No Action condition. The BDCP is seeking coverage for these activities because these actions are not covered by any existing	l
The BCDP is proposing that the unimplemented	environmental document impact analysis or by existing permits. The problem with the approach taken by the BDCP on this is that the	1
actions from the 2009 FWS and NMFS OCAP	BDCP has not proposed any avoidance, minimization or mitigation measures for the significant impacts associated with implementing	l
BOs, which are part of the No Action condition,	these actions. As an example, fish passage at Fremont Weir, a 2009 OCAP BO RPA, is included in the BDCP proposed CM2.	l
are covered by this EIR/S document sufficient to	Construction of the fish passage and periodic dredging maintenance of fish passage channels (see related comment) have significant	1
support issuance of related permits for	impacts which the BDCP has not proposed any avoidance, minimization or mitigation measures to address. There are many other	l
construction and maintenance of these facilities	examples of unimplemented No Action actions that are incorporated into the Proposed Project that have significant impacts which	1
and habitat restorations.	the BDCP has not proposed avoidance, minimization and mitigation measures for.	l
	Reclamation is conducting the Remand EIS due to a court order that was issued almost 2 years ago. The CVP and SWP operations are	
	coordinated, so the court orders to modify CVP/SWP operations and the environmental impacts of these actions apply equally to the	1
	SWP operations. DWR needs to develop an equivalent EIR to address the Remand on the SWP operations and impacts. DWR and	l
	Reclamation should address the impacts of implementing the 2009 OCAP BO RPAs in these documents so that the impacts of	l
Reclamation is developing an EIS to address the	implementing these actions can be clearly defined for the BDCP No Action and that appropriate avoidance, minimization and	l
environmental impacts of the CVP from the	mitigation measures can be developed to address the significant impacts of these actions. With this approach (and by complying with	1
Remand of the 2009 OCAP BOs, but DWR has	the court order to conduct the environmental analysis in a timely manner) the BDCP can clean up the No Action baseline/Proposed	l
not provided any notice that it intends to do a	Project conflicts that were identified in the preceding two comments. The Remand EIS and EIR documents should be completed prior	l
similar EIR analysis of the SWP impacts.	to the recirculation of the BDCP EIR/S.	
	There is no evidence that DWR or Reclamation has engaged in any good faith efforts to comply with the existing OCAP BO RPA project	
	requirements. The OCAP BO RPAs are existing obligations of the SWP and CVP and are part of the baseline condition of the BDCP.	l
	Some of the RPAs have operational implications (e.g. tributary flows, reservoir cold water pool availability and delta water quality),	1
	but the BOs do not contain sufficient specificity of the design and operational characteristics of the RPAs for these baseline conditions	1
Judge Wanger's Remand on the OCAP BOs has	to be accurately modeled. DWR and Reclamation's missed deadlines in fulfilling their current BO baseline obligations by applying a	l
modified the Fall X2 and reverse flow criteria on	best faith effort to develop and implement them are compromising the baseline modeling assumptions of the BDCP. The BDCP only	1
Old and Middle Rivers but it did not set aside	analyzed the OCAP BO RPA aquatic habitat restoration actions at a programmatic level of detail when if DWR and Reclamation had	I
the other existing DWR RPA obligations from	not missed their deadlines for developing project level descriptions per the BO, the BDCP would not be analyzing these actions at an	I
those BOs.	insufficient level of detail. and so that the BDCP baseline modeling assumptions are not fundamentally flawed and/or immediately obs	

		DWR and Reclamation waiting for the BDCP to be approved and implemented is not an acceptable excuse for not complying with the	
	DWR and Reclamation should make every effort	law. Once the OCAP BO RPAs are implemented, DWR and Reclamation (as well as NMFS and FWS) should monitor the level of	
	to comply with the existing OCAP BO RPA	protection and conservation achieved. Once the results of these actions are understood (after at least several years of monitoring),	
	requirements so that they are in compliance	these learning's can be utilized to develop and propose a refined BDCP program if that program is even needed to conserve the fish	
	with the law as it stands and so that the species	species at that point. Proposing the BDCP project with such large impacts before even implementing mandated conservation actions	
	are protected in the interim period until other	from the OCAP BO RPAs and seeing what level of conservation actions would achieve does not stand the test of reason and is	
	potential conservation actions are developed	irresponsible and indefensible action on the agencies part. Until the current obligations of the CVP/SWP to protect species are	
	and implemented.	fulfilled, the BDCP project should not be approved or issued incidental take permits.	
		The first baseline should be the No Action Alternative without the BO RPAs and the second would be a No Action Alternative with the	
		BO RPAs. These baselines should be compared to each other so that the impacts of implementing the BO RPAs can be isolated and	
	The BDCP must have multiple baselines so that	disclosed. No other environmental document has been released to the public to date that evaluates the impacts of the changes in	
	the impacts of the proposed project can be fully	operations from the BO RPAs on the CVP and SWP and therefore, the disclosure of impacts as the BDCP has currently defined their No	
	disclosed.	Action scenario (with some RPAs included and some excluded) has not be evaluated or disclosed.	
	The BDCP has selected Alternative 4 as their		
	preferred project even though it has		
	significantly more adverse, significant and		
	significant unavoidable impacts after mitigation		
	than most of the other project alternatives,	See comments on the executive summary impact table. The No Action has significantly less impacts than the proposed project (alt 4)	
Project	including and specifically the No Action	or any other alternative proposed by the BDCP. Because it has the least impacts of all alternatives, the No Action must be selected as	
Alternatives	s alternative.	the LEDPA.	
	According to the draft analysis Alternative 3	If the No Action Alternative is not selected as the LEDPA because it does not "reasonably" meet of the project objectives and needs	
	passed the alternatives development screening	identified in chapter 2, then according to the draft anlaysis Alternative 3 must be selected as the LEDPA. According to the draft	
	process and therefore has been qualified by the	analysis Alternative 3 has significantly less impacts than alternative 4 and other alternatives which were given full analysis in the	
	BDCP as sufficiently meeting the purpose and	document. According to the draft analysis Alt 3 reasonably met the project needs and therefore if not the No Action, then according	
	needs identified for the project.	to the draft analysis Alt 3 must be selected as the LEDPA.	
	The 404, 408 and 401 permit processes will		
	require the BDCP to implement the Least	The EIR/S does not support the information needs of the 401, 408 or 404 permitting process because it does not identify the LEDPA	
	Environmentally Damaging Project Alternative	alternative. As pointed out in previous comments, according to the draft analysis the No Action or Alt 3 must be selected as the	
	(LEDPA) even if that is a different alternative	LEDPA. The EIR/S must be revised to include a LEDPA analysis, or the USACE and/or EPA must produce a subsequent EIS to support	
	than the Proposed Project.	this required analysis.	
		According to the BDCP EIR/S impact summary table in the executive summary, alternative 3 has significantly less impacts than the	
	According to the draft analysis Alternative 3	Proposed Project and other project alternatives. According to the draft analysis since Alternative 3 meets the project objectives	
	passed the alternatives development screening	(otherwise it would not have been included as an alternative in the EIR/S for full analysis) and alternative 3 has the least	
	process and therefore has been qualified by the	environmental impacts of the alternatives considered, then alternative 3 must be the Least Environmentally Damaging Alternative	
1			
	BDCP as sufficiently meeting the purpose and	(LEDPA). If the EIR/S is approved by the lead, responsible and coordinating agencies and the project moves forward to seek permits	

	According to the draft analysis since Alt 3 met		
ľ	the screening criteria and reasonably met the		
	purpose and need for the project and would be		
	LEDPA in comparison to the Proposed Project,	Since the LEDPA is the lowest capacity alternative evaluated, the BDCP needs to analyze increments of capacity lower than alternative	
·	the BDCP alternatives development process	3 so that the alternative that still reasonably meets the project purpose and need that is the true LEDPA is included for analysis in the	
	should have considered capacities lower than	EIR/S document. Without a full analysis of an alternative that has a lower capacity that turns out to have higher impacts than the	
	alternative 3 that would still meet reasonably	other alternative capacities, the EIR/S is clearly deficient. The BDCP should have also provided rationale and disclosed what the lowest	
	the project purposes.	capacity would be that would qualify as reasonably meeting the project purpose and needs.	
		The BDCP EIR/S document is deficient because it did not consider permutations of the alternatives that evaluated alternative key	
		components of the project. The impacts of in-river and on-bank intakes are different for different species and the EIR/S failed to	
		evaluate those permutations of the alternatives. Alternative different sizes of intakes were also not evaluated. All of the north of	
		delta intake alternatives utilized 3.000 cfs on-bank intakes. The larger size intakes have different affects for different species than	
		smaller intakes. The BDCP alternatives should have included permutations of more smaller intakes than just the 3,000 cfs intakes. If	
	The BDCP only analyzed one type and size of	two alternatives that were otherwise identical, save for the intake type and size, had been analyzed, then the impacts and benefits of	
	intake for the alternatives which contained	these fundamental design components of the proposed conveyance could have been appropriately considered, analyzed, isolated and	
	north delta diversions.	characterized, evaluated and disclosed. Without analysis and disclosure of these critical proposed project design features, the BDCP	
	The share of delay and the rest of the second		
	the through delta conveyance alternative and	Designs for an included Clifford Count Count Count have been discussed around times by DMD and the count of CALECD and at by the sec	
	udar (north and south delta) operations did not	besigns for an isolated clinton court Polebay have been discussed in hany times by Dww and through the CALTED project, but these	
	include a full range of south delta modification	concepts discussed in the BDCP scoping process were not provided adequate consideration for inclusion in BDCP alternatives.	
	options. An EIR is required to include an in-	Isolation of Clifton Court Forebay would reduce the magnitude of impacts on fisheries from south delta operations. Following is a	
	depth discussion of those alternatives identified	description of an isolated clitton court Forebay facility that have been previously discussed and proposed. Move the trash racks of	
	as at least potentially feasible. (Preservation	the intake at Clifton Court to outside of the Clifton Court operable gate. The trash racks will intercept debris coming in with the	
ľ	Action Council v. City of San Jose (2006) 141	diversion water and serve as a behavioral deterrent to the fish to stay in the main channel as much as possible. Behind the trash racks	
	Cal.App.4th 1336,1350-1351; Citizens of Goleta	would be a fish screen designed to keep larger size fish out of the isolated facility. This initial screen outside of Clifton Court Forebay	
Conveyance	Valley v. Bd. of Supervisors (1990) 52 Cal.3d	should only pass smelt and juvenile salmonids. This screen would significantly reduce the exposure of juvenile salmonids and delta	
facilities	553, 569.)	smelt to predation. The Clifton Court Forebay would be segmented by a new levee that would draw water from the outside channel d	

	In order to achieve appropriate sweeping velocities at the criteria screen if the SWP was diverting 3,000 cfs, that the salvage pumps would be pulling and recycling 10,000 cfs. The fish salvage screens would need to be redesigned and larger to deal with the larger flows and fish handling, storage and release operations would need to be reveamped as has been previously recommended in many previous meetings, projects and communications. Predation would be further reduced in the salvage process because captured juvenile salmonids and smelt would not be stored, shipped and released with predator sized fish. The 10,000 cfs that was screened and fish free would be discharged into the portion of the Clifton Court Forebay that is on the other side of the new conveyance channel. The discharged water re-enters the new conveyance channel through debris and fish screens that are installed in the north and east side of the conveyance channel levee. This recirculates the screened water through the conveyance channel and keeps all of	
comment continued	the non-conveyance part of Clifton Court fish free. The recycled water also speeds the transit of the juvenile fish and smelt down the o	
The BDCP did not provide sufficient justification for the proposed conveyance facilities locations.	Facilities location rationale and supporting documentation must provide rationale for why a facility that is condemning private lands must be cited in one location over another – this documentation and rationale has not been adequately done for the intake citing or canals/pipelines. Even a cursory review of the BDCP proposed north delta intake locations shows that historic buildings (e.g. Rosebud Mansion) and recreation areas (Merritt Landing) are directly affected by intake locations that could easily be shifted to avoid these impacts. Without sufficient justification for the location of the facilities and their lack of investigated alternatives to avoid and minimize impacts, the BDCP project should not be granted public condemnation of private properties.	
The BDCP EIR/S document says, "The intake locations listed represent those locations selected for the analysis of each BDCP alternative. Based on the results of an October 2011 workshop on the Phased Construction of North Delta Intake Facilities (see Appendix 3F, Intake Location Analysis), different combinations of intakes could be constructed under these alternatives. Once an alternative is selected as part of the final BDCP, a decision regarding intake locations will be made. "	If different intakes are selected from the configuration that was analyzed in the EIS/EIR, then the document will need to prove that the tidal interactions and localized hydraulic affects are the same or less than what was analyzed or the models and analysis will have to be rerun so that the effects of the project are fully and appropriately disclosed. If the BDCP does select different intake locations or combinations of locations, or types and/or sizes of intakes that the configuration analyzed in the draft EIR/S, this will be a material change in the project that will require recirculation of the document for another public draft review.	

		The BDCP EIR/S impact analyses does not make clear the difference in magnitude of impacts from the various size/scale of facilities	
		that are associated with different conveyance capacities and different conveyance designs. As an example, the footprint of	
		disturbance for a 3,000 cfs set of tunnels is clearly smaller in magnitude than the footprint of disturbance for a 15,000 cfs tunnel. In	
		the respective impact analyses, the magnitude of the difference in the impacts from the differing project footprint and operations was	
		not adequately characterized and disclosed. The magnitude of these impacts is essential to characterize to correctly identify the	
		LEDPA. As an example, both a 15,000 cfs and 3,000 cfs tunnel may both have Less-Than-Significant impacts to a resource, yet the	
	The facility footprint of disturbance and other	project has not disclosed or properly characterized that in absolute magnitude the 3,000 cfs facility would have half of the impact on	
	impacts (i.e. air quality) were not scaled to the	that resource as the 15,000 cfs facility. The BDCP impact analyses should be rewritten to more fully disclose the magnitude of impacts	
	various sizes of conveyance.	on the resources in comparison to each other in addition to the No Action and No Project.	
	The Central Valley Project Improvement Act		
	(CVPIA) included an analysis of the amount of		
	water that is required to be delivered to protect		
	health and human safety. The BDCP failed to		
	consider this water delivery amount as a	When evaluating the proposed project, alternatives and no action scenarios of the BDCP, the EIR/S failed to include a critical impact	
Conveyance	benchmark water delivery quantity to	criteria, which is, "How often does the project or alternatives fail to meet water deliveries to protect human health and safety?" This	
operations	determine reliability.	is the most fundamental criteria for reliability of the project and yet the EIR/S failed to analyze it.	
		Steering Committee meetings included presentations on Sip vs. Gulp seasonal diversion operations (presentations and comments	
		made by Jason Peltier and others) for the proposed project operations development and there were EIR/S scoping comments which	
		addressed Sip vs. Gulp operations. A seasonal "gulp" operational strategy is important to the viability of the downstream storage	
		alternative. Distributed intakes (north, south, east, central and west intake locations) and in-delta storage were also discussed during	
	Many types of project diversion operations	EIR/S alternatives scoping meetings. None of these alternatives concepts were addressed in the alternatives screening and	
	were discussed in scoping and the project	development process and none of these concepts were represented in any of the alternatives analyzed in the EIR/S. The BDCP	
	description development, including "Sip vs.	dismissed these alternative concepts without due consideration or application of consistent or defensible screening criteria. The	
	Gulp", distributed intakes, and in-delta storage	BDCP must revisit these concepts that were submitted during the public scoping process, give them due consideration and full analysis	
	(e.g. Sacramento Deep Water Ship Channel).	as alternatives or components of alternatives in the EIR/S.	

The BDCP will not fulfill their com <b>Conservation</b> "restore 19,150 acres of tidal natu <b>Measures</b> communities by year 10 of the pr	The EIR/S says that habitat restorations that occur after the near-term will be analyzed at a programmatic level of detail and will be subject to more detailed analysis in subsequent environmental document(s). No specific timeframe for these subsequent environmental documents is provided in the EIR/S. CM4 lacks detailed designs (necessary for surface water flood channel capacity analysis and flood risk assessment, aesthetics - see related comments); forotprint of disturbance (necessary for terrestrial species, fish stranding and agricultural impacts - see related comments); forotprint of disturbance (necessary for verrestrial species, fish stranding and agricultural impacts - see related comments); Maintenary for operations modeling, water supply impacts, agricultural impacts - see related comments); Maintenance plans (dredging impacts on water quality and fisheries habitat); water rights (evaporation, transpiration and groundwater recharge consumption) have not been secured or the process to secure them defined and analyzed (necessary for water rights impacts - see related comments); the change in beneficial jeet" (CM4). Uses of water of those water rights han to been identified or evaluated (necessary for water rights and water supply impacts - see related comments); the change in beneficial jeet" (CM4).
measures communities by year 10 of the pro	Ject (Link). Uses of water of those water ngints has not been identified of evaluated (necessary for water ngints and water supply impacts - see refa
comment continued	Given the BDCP process to date (7+ years and the project just released the first public draft), it would be exceedingly unlikely that the BDCP could complete a subsequent document in less than 5 years after the BDCP project was approved. Then there would be another two years of detailed design, contracting, permitting, etc. Allow at least 2 years for construction as there are seasonal constraints to construction of these CMS (e.g. smelt, Chinook salmon, sturgeon avoidance and minimization measures only allow in water construction periods from about May through August and terrestrial Greater Sandhill crane presence prohibits work during other times of the year). This means the earliest construction could be completed on CM4 using a subsequent environmental document would be in year 10 after BDCP approval. Note that the commitment of the BDCP is that the 19,150 acres would be "restored" by year 10 (the plan does not say "implemented by year 10"). Tidal natural communities, such as described in CM4, do not magically start to provide habitat values just because water was added to a parcel of land. Water quality needs time to come into equilibrium, plant com

There are not different versions of conservation		
measures for different objectives. E.g. Prospect		
Island could be designed as foraging/food		
production rearing habitat for salmonids or for		
delta smelt. These two different habitat		
objectives and resulting habitat designs are		
incompatible and very different in terms of		
water depth, substrate, water quality (e.g.		
turbidity), sediment sink vs. source, location and	The BDCP has not defined which habitat restorations will be designed to benefit which species (or any specific habitat restoration	
size of levee breaches, intertidal hydraulic	plans at all), so an evaluation of project impacts and the level of contribution to conservation of species is impossible and therefore	
exchange volumes, etc.	the BDCP EIR/S document is deficient.	
Natural resource agencies don't have funding	The habitat restorations are the majority contributor to the conservation of the species that would justify the take permits that are	
identified or authorization for the habitat	the objective of the project and allow the SWP to operate. The beneficiaries of the project, the SWP water contractors, should have to	
restoration component of the project costs.	pay for the habitat restoration project, not the general public through the public trust resource agencies.	
	Since different entities are funding habitat restoration from the conveyance construction and operations, then the habitat restoration	
	should be considered a separate project from the conveyance. If the conveyance does not demonstrate a net beneficial impact in an	
The conveyance does not reduce take of species	environmental analysis of that project component by itself, then the project should have to pay for the appropriate mitigations and	
or restore habitat, therefore it should not be	habitat restorations such that it justifies the desired take permits. Those mitigations and habitat restorations to achieve a condition	
classified as a conservation measure.	that is permitable by the agencies should be paid for solely by the proponents and beneficiaries of the project.	
The BDCP has not proposed any different		
combinations and sequences of habitat		
restoration or analyzed and disclosed any		
evaluations conducted which demonstrate that		
the habitat restoration-related impact analysis		
would be representative of any impacts of	Since the BDCP did not propose or analyze any permutations of the development, sequence and combinations of habitat restorations,	
project implementation other than exactly the	then permits can only be issued on exactly the scenario that was analyzed in the EIR/S. Any BDCP habitat restoration implementation	
scenario analyzed in the proposed project and	deviation from the scenario analyzed in the EIR/S would then fall outside of the boundaries defined in the analysis and therefore	
alternatives.	would be outside of the coverage of the permit that was based on that analysis.	
	The BDCP has not done the sensitivity analyses that would be required to defensibly define the book end worst case scenarios, so	
If the BDCP wants a programmatic-level of	there should be not be a programmatic level of flexibility given to the BDCP in their implementation. Further, the interactions of the	
analysis flexibility to implement the aquatic	habitat restorations and their undefined location, magnitude, design characteristics and implementation timing and combinations	
habitat restorations in a variety of timing,	directly affect water quality and therefore CVP/SWP operations. Without knowing how, when or where the aquatic habitat	
combination and designs, then they need to do	restorations are, there cannot be a project level analysis of the propose project operations so construction permits for the	
a series of sensitivity analyses sufficient to	construction of the conveyance should not be issued based on the analyses in the draft EIR/S document. If these analyses are revised	
"book end" the range of effects and disclose	and a sensitivity analysis of the habitat restorations is conducted, then this would be a material change in the document that would	
those in this document.	warrant recirculation.	

	"Habitat restoration, creation, enhancement,		
	and management activities These activities		
	include all actions that may be undertaken to		
	implement the physical habitat conservation		
	measures. These activities include all actions	The lack of specificity of activities covered under this action is unfunctional and cannot be reasonably analyzed even at a	
	that may be undertaken to implement the	programmatic level without greater specificity. The EIR/S must add a list of the specific actions to be covered and include those in the	
	physical habitat conservation measures."	analysis and disclosure of impacts.	
	The 75940 Federal Register / Vol. 78, No. 240 /		
	Friday, December 13, 2013 states that,		
	"Reclamation may also make decisions		
	regarding implementing habitat restoration		
	and monitoring actions proposed by the BDCP		
	that are consistent with Reclamation's		
	regulatory requirements, programs, authorities,		
	and appropriations. This Federal Notice		
	statement unclear and implies that the actions		
	Reclamation may take may or may not be the	The Purpose and Need and alternatives of the EIR/S does not address potential variations in the level of Reclamation's participation in	
	same as the BDCP."	the habitat restorations.	
	Does BDCP EIR/S document says, "lands	What is the rationale for this exclusion? Is it due concern that adjacent inundated habitat restorations would compromise the	
	acquired for restoration or enhancement in the	structural integrity of the through delta conveyance levees? If so, then what about the other delta levees that would be affected by	
	south Delta would not be located alongside	aquatic habitat restorations? The document fails to disclose the implications of this habitat restoration land acquisition and	
	corridors designated for water supply."	geographic distribution constraint.	
		The BDCP lack of definition of Yolo Bypass conservation flow rules for how much, when and under what conditions supplemental	
		inundating flows would be released by the BDCP into the bypass. Without the conservation details on how much, when, for how long	
		and under what conditions bypass flows would be augmented, there is not sufficient detail to include this CM in modeling (water	
		supply, surface water and water quality impacts) or in land use impact analysis (agriculture and recreation). Yolo bypass operations	
	Yolo Bypass conservation measure diversion	were not defined sufficient to include in CALSIM modeling assumptions and CALSIM II has an inadequate analytical output temporal	
Yolo Bypass and	operations and inundation were not defined	resolution to be of sufficient detail to evaluate the impacts of Yolo Bypass diversion flows. Timing, duration and magnitude of BDCP	
seasonal	sufficiently such that they could be	Yolo Bypass inundation flows are required in order for impacts on agriculture need to be defined enough to evaluate the magnitude,	
floodplain	incorporated in modeling and the surface water	frequency, duration and geographic extent of impacts. Until the BDCP provides the detailed operating rules for the Yolo Bypass	
inundation	impact analyses.	conservation measure inundation operations, the BDCP EIR/S impact analysis will remain incomplete and deficient with undisclosed im	

		The OCAP BO RPAs for 8 000 acres of intertidal and 17 000 acres of flood plain should not be identified as contributory to species	
		The over to be a story of solution of the baseline. Since all of the BDCP hear tarm conservation measures are fulfillment of existing	
		tonservation as they are part of the baseline. Since an of the body near-term conservation measures are fulliminent of existing	
		obligations of the CVP/SWP, these actions cannot be considered to contribute to species conservation as compared to the NO Action	
		condition. Once the environmental analysis separates the fulfillment of existing obligations from new actions that actually have the	
		potential to contribute to species conservation it becomes clear that the BDCP project does not actually start contributing to species	
Conservation	All of the BDCP proposed near-term habitat	conservation for a number of years. I would be more specific in my comment, but the BDCP has not even committed to a detailed	
Measure	restoration conservation measure actions are	timeline of when the next increments of habitat restoration after the near-term would occur in which these first actions contributing	
Implementation	actually existing CVP/SWP obligations from the	towards conservation would occur nor the type, quantity, location or even target species that are supposed to benefit from these	
Schedule	current NMFS and FWS OCAP BO RPAs.	undefined actions. It is clear that the BDCP intends that these restoration actions that would be the first real contributions to conserva	
	The BDCP incorporation of the Solano County		
	Cache Slough diversions as part of the project	The BDCP EIR/S fails to identify and disclose this impact of the proposed project also see related comments under Growth	
	description creates a growth inducing impact.	Inducement.	
		The BDCP's proposed project contributions to conservation for these other stressor measures are reliant upon other agencies to	
		implement them. Even the very existence of these third party agencies responsible for implementing these other stressor CMs is	
		uncertain in a 50 year timeframe and the BDCP has no power to even influence if the implementing agencies will evict in 50 years	
		additionally the BDCP has no control over the quality or completeness of implementation of these conservation massives by other	
	Many of the RDCR proposed project other	avancies and agonts. BDCB does not have any assurances or management measures to assure that funding assurided by BDCB to	
	strassers conservation measures are activally	agencies and agence. Dour does not have any assurances or management measures to ensure that unding provided by BDCP to	
	stressors conservation measures are actually	implement these programs will actually be spent on implementing these programs in a manner or scope as promised by the BDCP.	
	dependent upon third parties outside of BDCP's	examples of some of the other stressor conservation measures which rely upon third parties for their success include: Egeria removal,	
	control for the CM implementation,	changes to striped bass stocking, fish screens on surface water diversions in the delta, predator fish removal, changes to fishing rules,	
Other Stressors	administration and success.	changes to enforcement of current laws to reduce poaching and over limits, integrated pest management education, no spray zone en	
		It is not legal under California tish and Game code to issue fishing bounties to remove predator species. DWR explored this	
		conservation measure in its Oroville Facilities FERC Relicensing and it is well documented that this type of program is not legal.	
		Additionally, most if not all published literature on programs to remove predators have proven unsuccessful at reducing predation	
	At least one of the proposed project other	rates and monitoring efforts to quantify the success of predation reduction programs have all been inadequate to provide any	
	stressor conservation measures is illegal.	statistically defensible reduction in predation rates.	

	BDCP proposed modification of Fremont Weir and Sacramento Weir are outside of their jurisdiction as these facilities are owned,	
	operated and maintained by the USACE. The BDCP has provided no proof that they have received permission from the USACE for any	
	modification of these facilities. Lisbon Weir is owned and operated by a private water district, so the BDCP has no jurisdiction to	
Some of the CMs proposed by the BDCP are	implement actions to modify these facilities either. Unless the USACE provides a letter of concurrence and agreement with the BDCP	
outside of the jurisdiction of the project to	for these BDCP proposed modifications, the agencies utilizing the EIR/S document to support decisions making should discount any	
implement.	potential contribution to conservation these CMs were purported to contribute.	
	As an example, the program for Egeria removal does not describe the time of year, location, equipment used, methods, practices,	
	operational guidelines or any real substance as to how the program will be implemented. Without knowing how, where and when the	
	invasive aquatic weed removal program will operate, it is not possible to identify, characterize, quantify or disclose the types of	
	impacts that would occur from implementing the program. Listed GGS and salmonids could easily be picked up and killed or	
The Other Stressor conservation measures are	significantly disturbed or disrupted as a consequence of this program. This killing and disturbance is "take" that would need to be	
not described in sufficient detail to allow	evaluated and disclosed. The BDCP EIR/S document is incomplete and deficient for not completing the detailed analysis of this	
appropriate environmental analysis to support	impact. The BDCP needs to complete this analysis and propose measures to avoid, minimize and mitigate the significant impacts that	
permitting.	could occur with the implementation of this program.	
	Coche Creek is one of the largest if not the largest source for Marsuny contamination in the delta. The BDCP has proposed source	
	datile creek is one of the largest in the largest source for were day contamination in the deta. The body mas proposed several	
	Talge scale adjuant national resonation programs that are downstream or this large and orgoing mercury contamination source,	
	including Cambon Cut, Liberty Island, Little Honard Tract, Prospect Island, Eggert Tract, Hastings Island, Nyer Island, Grand Island,	
	becker island, innee wine slough, and others. Aquatic nabital rescondation conditions can convert mercury more menyated mercury which is much merc readily accompleted into the fact deals and bioaccompleted. The PDCD aquatic babitat exclamatics have	
	which is much more reading assimilated into the lood chain and bload uniqued. The BDCP aquatic habitat restoration conditions have not been described in a ufficient dotain to dotaming at what state the methylation of the reaction would resure and the DDCD besides found to the state the methylation of the reaction would be accurate and the DDCD besides found to the state the methylation of the reaction would be accurate and the DDCD besides found to the state the methylation of the reaction would be accurate and the DDCD besides found to the state the methylation of the reaction would be accurate and the DDCD besides found to the state the methylation of the reaction would be accurate and the DDCD besides found to the reaction of the reacti	
Mathulation of Margury from RDCD proposed	not been described in sumcient detail to determine at what rate the mentylation or mercury would occur and the bDCP has raised to	
aquatic habitat restarations has not been	dentity, characterize, quantity of disclose this significant impact. The BDCP Entry's needs to provide greater detail on the aquatic	
adoquately evaluated in the FIR /S	nabilati estonation water depins, water turnover rates, dissolved oxygen conductors, mercury deposition and mitorial and molinization rates and methodized on the DCD has folial to accord outside on admittation and mitoriation measures to address this similar	
adequately evaluated in the EIR/S.	methylization rates. Further, the BDCP has lailed to propose avoidance, minimization and mitigation measures to address this significa-	
Avoidance and minimization (Civi22) is not a	Avoidance and minimization measures are nerved and cecula requirements for the EIS and EIK. Avoidance and Minimization measures	
	are not contributions to recovery and should not be created as such.	

	"South of Delta Water Storage Need Not Be		
	Addressed in BDCP EIR/EIS. For many reasons,		
	increased water storage is neither a legally		
	required component of the BDCP nor a project		
	that must be addressed in the cumulative		
	impact analyses for the EIR/EIS for the BDCP.		
	Increased storage is neither: (1) an aspect of the		
	BDCP itself; (2) a "probable future project"		
	within the meaning of CEQA, (3) a "reasonably		
	foreseeable future action" within the meaning		
	of NEPA, (4) a future phase of the BDCP project		
	within the meaning of either CEQA or NEPA; nor	This is such a strong declarative paragraph that is prominently highlighted from the BDCP EIR/S and yet several parts of this statement	
	(5) an EIR or EIS alternative to the proposed	are boldly biased and positional. The quote says, "for many reasons" and then goes on to identify none of them. Increased storage is	
	BDCP. As a result, such additional storage need	not part of the applicants proposed BDCP project, but it was identified in the EIR/S scoping as an alternative to meet the project needs	
Appendix 1B,	not be included in the mandatory cumulative	and objectives. The statement declares that storage is not an EIR/S alternative and yet the alternatives development chapter never	
page 1. inset	impact analysis for the EIR/EIS or in any section	addresses the public scoping submitted alternative of water storage. Water storage would have easily passed the screening criteria if	
box	focused on alternatives."	it had been evaluated and it should have been an alternative that was fully analyzed in the EIR/S - see preceding related comments.	
	"Additional internal preliminary studies by DWR		
	in 2010 considered the potential benefits of		
	expanding north of Delta surface storage and		
	expanding groundwater storage south of the		
	Delta in combination with new Delta		
	conveyance. Using theoretical planning		
	assumptions that reflect essentially unlimited		
	groundwater storage capacity (5 MAF), south of		
	Delta water deliveries could be improved by		
	about 100 TAF per year over deliveries with only		
	new Delta conveyance and a 1.8 MAF Sites		
	Reservoir. Based on preliminary BCDP modeling,		
	the addition of 1 MAF of new south of Delta	The BDCP document identifies here that studies have been done that demonstrate that the project needs and objectives identified in	
	storage (surrogate for surface storage,	the BDCP EIR/S are better met by combining upstream and downstream storage with a BDCP conveyance. This is clear evidence that	
	groundwater storage, or re-management	water storage, both upstream and downstream of the delta should be considered as part of the solution to the needs and objectives	
Appendix 1B,	opportunities) could increase Delta water	identified for the BDCP project. The BDCP should not have arbitrarily and capriciously dismissed water storage concepts from	
page 12, line 11	exports by approximately 150 TAF per year."	consideration in the alternatives development in the EIR/S.	

		CALFED identified that new storage could be the solution to improved flows in the delta. Improved flows can be used to benefit water	
		supply and environmental quality for the fish species of concern. The new storage identified by CALFED addresses most if not all of	
		the purpose and need and project objectives identified by the BDCP. The BDCP EIR/S process failed to give this identified project	
	"New Storage To Improve Delta Flow, with the	alternative due consideration and evaluation. What was the rationale for dismissing this option? A rationale consistent with NEPA	
	focus on changing the timing of flows to benefit	and CEQA scoping is not disclosed in the EIR/S that I can find. See related comments on Appendix 1B regarding the fact that the	
3A-5, line 18	all use."	arguments made there are not compliant with NEPA and CEQA requirements and guidance.	
	The EIR/S claims that tunnels were identified as		
	a conveyance option in comments received in	The BDCDP must disclose what comments identified the use of tunnels as a conveyance. We do not believe that tunnels were	
34-11 line 22	sconing	identified in the public scoping process, so the BDCP is misrepresenting where this conveyance option was identified	
		This list omits the concents of distributed intake screens in the central west and east delta. It is also missing the Sacramento Deen	
		Water Ship Chappel use as a part of the conversion of the critical field encourse identified here and in the CALEED process not	
		water sing ename use as a part of the owner will were entered as screens definite entered and the CALL process not	
		carried for ward as a component of some of the dual conveyance alternatives? I can much to rationale consistent with NEPA and CEQA	
	"Initial Screening Conveyance Alternative C4.	requirements and guidance for dismissing this alternative component from further consideration. The EIR/S should revise their	
	Through Delta Conveyance with Fish Screens at	alternatives screening process and alternatives to consider those alternative components that were dismissed from further	
3A-12, line 28	Clifton Court Forebay"	consideration without sufficient and consistently applied supporting rationale that are compliant with NEPA and CEQA requirements.	
	"several of the alternatives considered in the		
	initial screening of conveyance alternatives	Where is the documentation of the source of the scoping suggestion for consideration of the tunnels as a conveyance? A search of	
	were specifically identified through the scoping	the Scoping Report reveled no comments suggesting a tunnel as a conveyance even remotely resembling the Proposed Project. The	
	process, including the following alternatives.	tunnel as a conveyance was not identified in the NOI or NOP, was it identified during the public scoping period? Who suggested it? If	
	Initial Screening Conveyance Alternative A1.	the source documentation for the tunnel conveyance concept that was adopted as the Proposed Project is completely missing from	
	Dual Conveyance with a Tunnel between North	the scoping process then it is not hard to see why other major concepts that were submitted during scoping such as the Sacramento	
	Delta Intakes and the SWP and CVP Pumping	Deep Water Ship Channel and upstream and/or downstream storage were not documented or given due consideration consistent	
	Plants, and Continued Use of Existing South	with NEPA and CEQA requirements. The key documentation for the alternatives is missing so the BDCP EIR/s should be rescoped - see	
3A-11. line 28	Delta Intakes."	related comments on the numerous deficiencies of the public noticing and the NOI and NOP.	
	"The requirements of the Water Code Section	This important second screening criteria identified is not explained. What aspects of the identified document were used and how	
34-12 line 37	85320 from the 2009 Delta Reform Act "	were they used? Where is the citation so the reader can find this reference?	
		Again, the constraint of the "planning area" is referenced, but not justified or supported with rationale of any kind. See related	
		comments on lack of supporting rationale provided by the EIR/S for the definition and constraint of the "planning area". If one of the	
		core objectives of the project is to improve habitat conditions for covered species, then it is counterproductive to limit where those	
		beneficial actions can occur with an arbitrary and unsupported geographic boundary. No alternative component should have been	
	"To improve the ecosystem of the Delta by:	dismissed from further consideration based on the extent of the "planning area" if it met other reasoned criteria. The use of the	
	Providing for the conservation and	planning area as a screening criteria is predecisional. Any concepts that were dismissed from the alternatives screening process for	
	management of covered species through	the fact that they were located in whole or in part outside of the planning area should be restored to consideration and fully analyzed	
	actions within the BDCP Planning Area that will	in the EIR/S document. The BDCP inconsistently applied the planning area as a screening criteria as it did include some project actions	
3A-14. line 10	contribute to the recovery of the species."	that transcend their arbitrarily defined planning area boundary, e.g. Grizzly Slough habitat restoration. Fremont Weir modifications, tra	
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		This is a correct statement, but this is not what the BDCP EIR/S did in the formulation of the alternatives. As stated in other	
		comments, the alternatives analyzed in the EIR/S were evaluations of different conveyance routes but with very little substantive	
		change on all of the other project components such as intake type, intake locations, restoration options, other stressor actions, etc.	
	"When there are a very large number of	The BDCP EIR/S alternatives need to be reformulated to provide real different alternatives - upstream and/or downstream storage	
	potential alternatives, a reasonable number of	combined with criteria screens in the south delta, distributed intakes, intakes in other river reaches, other intake types, other types	
	alternatives covering the full spectrum of	and combinations of habitat restoration, other types and combinations of other stressor actions. The BDCP alternatives provided in	
	reasonable alternatives can be identified for	the current draft EIR/S provide none of these meaningfully different alternatives. The BDCP EIR/S should be rescoped and reanalyzed	
3A-14, line 33	detailed analyses in the NEPA document."	to include the full spectrum (as DOI EIS scoping requires) of these meaningfully different alternatives.	
	· · · · · · · · · · · · · · · · · · ·		
	"the following first level screening criteria.		
	Could the potential alternative provide for the		
	conservation and management of covered		
	species through actions within the BDCP		
	Planning Area that will contribute to the		
	recovery of the species? Could the potential		
	alternative protect, restore, and enhance		
	certain aquatic, riparian, and associated		
	terrestrial natural communities and		
	ecosystems? Could the potential alternative		
	reduce the adverse effects on certain listed		
	species of diverting water by relocating the		
	intakes of the SWP and CVP? Could the		
	notential alternative restore and protect the		
	ability of the SWP and CVP to deliver up to full	Hare are the first level screening criteria for the development and selection of a water conveyance option from the FIR/S. First, the	
	contract amounts, when hydrologic conditions	landing area is microlending official as a part of the original reasonable of an where Society and option are any single the	
	result in the availability of sufficient water	plaining area is instanceing identified as a part of the criteria - see related comments. Second, the document identifies that the	
	consistent with the requirements of state and	answers to these questions may not be known until there is an analysis note that than conducted in the screening process. In these	
	fodoral law and the terms and conditions of	cases, in order to be indough and not arbitrary and capricides, the concepts that cannot be reliably and detension concluded to not	
	rederar law and the terms and conditions of	meet this criteria should be carried roward to the next level of scheening for further consideration or to that analysis in the ENVs. The	
	water delivery contracts held by SWP	tunnel water conveyance concept obviously got this benefit of a doubt treatment as it was forwarded for full analysis in the EIR/S even	
	contractors and certain members of San Luis	though at the screening stage of analysis these questions could not be answered. The full analysis of the tunnel water conveyance, Alt	
	Delta Mendota Water Authority, and other	4 the Proposed Project, in the EIR/S determined that the CM-1 the conveyance itself, did not contribute to species conservation and	
3A-17, line 4	existing applicable agreements?"	the EIR/S's assessment on the improvement in water supplies was "no determination". No determination in this case means that even	
		Other conveyance options such as upstream and/or downstream storage combined with real rish chiefs and the south being	
		(and the associated ability to change operations to avoid pumping while itsn species of concern were present) obviously would be	
		more intervised intervised that the tunnel water conveyance option. Distributed intakes in the West Central and east detra	
		provide operational nexibility to avoid diverting water from location where fish species of concern are present. Similarly, use of the	
		Sacramento Deep Water Ship Channel as a portion of the conveyance with the associated water storage in the channel and intakes	
		upstream of the geographic range of the delta smelt would also better meet these criteria than the tunnel water conveyance option.	
		Each of these other conveyance alternatives should have been carried forward for full analysis in the EIR/S based on these screening	
	comment continued	criteria.	

		The important objective of the project is the first one to conserve the proposed covered species. The third criteria is not an objective	
		The important objective of the project is the matche, to construct the proposed covered species. The third criteria is not an objective that is the series in conflict with the first criteria. The third criteria is a question that is the series in	
		represent as the first criteria but with an artificial constraint ambedded in it. Since the objective clearly is to conserve the species we	
	The criteria are in conflict with each other and	concept as the matching and a matching that limits the ways to achieve the primary objective. This screening critical should be that the streening that limits the ways to achieve the primary objective. This screening critical should be the screening of the screening critical should be the screening of the screening critical should be the screening critical shou	
	embed artificial and unsupported constraints on	and an occurs that not be used on the approximation of the ways to achieve the primary objective. This section is the drama in the drama is the ways to achieve the primary objective is should be restored to	
34-17 line 4	how the project objectives and needs are met	be appled and any aner full analysis in the FIR/S document	
5A-17, inte 4	now the project objectives and needs are met.	For the consideration of the analysis in the chysical action and/or downstream storage combined with real fich criteria screepe in	
		consideration of other conveyance options subscribe a upscreating and ownscreams subage combines when real man chiefts a screen's in	
		the south beta (and the associated ability to change operations to avoid pumping while his species of concern were present) would be likely to avoid an all south south and a losson impacts as compared to the proposed project (atoms provide). Distributed intervest in the worst control and east	
		be inkely to avoid and on essent impacts as compared to the proposed project action. Distributed intakes in the west central and east	
		derta contra provide operational nextonity to avoid diverting water from totation where non-species of concern are present would be	
		Inkery to avoid and on essent impacts as compared to the proposed project/action. Similarly, use of the sacramento beep water sing	
		Chamer as a portion of the conveyance with the associated water storage in the chamer and intakes upstream of the geographic	
	The second level screening criteria included:	range of the deita smell could also better meet these criteria than the tunnel water conveyance option would be likely to avoid and or	
	"Would the potential alternative avoid or	lessen impacts as compared to the proposed project/action. Not only could each of these other water conveyance options be likely to	
	substantially lessen any of the expected	nave lower impacts than the proposed project water conveyance, one of these options, if carried forward to full analysis in the EIK/S c	
	significant environmental effects of the		
	"proposed project"? and		
	"Would the potential alternative "address one		
	or more significant issues" related to the		
3A-18, line 5	proposed action?"		
		The alternative water conveyance concepts included in the preceding comment were dropped from the BDCP EIR/S alternatives	
		screening process without supporting rationale and justification because the project applicant did not desire these solutions. Page 3A-	
		18, line 30 correctly states that NEPA requires consideration of alternatives based on practicality and feasibility criteria, not based on	
		desirability from the standpoint of the applicant. The BDCP EIR/S included appendix 1B Water Storage in which it spends 14 pages	
		explaining why the BDCP did not have to consider water storage as a component of the solutions to address the needs and objectives	
		identified for the project - see related comments on this appendix. I will reiterate here that I have never read anything so positional,	1
		biased and shamefully crafted to a desired outcome in an EIR or EIS as appendix 1B. 1B page 1 line 7 states, "While water storage is a	1
		critically important tool for managing California's water resources, it is not a topic that must be addressed in the EIR/EIS for the BDCP.	1
	comment continued	This is because the BDCP, as a proposed habitat conservation plan and natural community conservation plan, does not, and need not,	1
	The BDCP's proposed project includes changes	The BDCP's alteration of reservoir operations as part of CM1 sets a precedent that project actions are not limited to the "Plan Area".	
	to reservoir operations and flows in the	Since the BDCP has inconsistently applied the constraint of not considering alternatives or alternative components outside of the	1
	tributaries downstream from the terminal dams	"Plan Area", the BDCP must include for full analysis and consideration in the EIR/S all alternative concepts that were excluded from	1
	in combination with CM1.	consideration, in whole or in part, because they fell outside of the plan area.	1

	The screening criteria relies upon comparing an	At the time of the alternatives screening, there was no proposed project or proposed action identified so how could they be used as a	
	option against the proposed project and	criteria. The Proposed Project was selected so late in the process that it is Alternative #4 in the document instead of alternative 1 as it	
3A-18, line 5	proposed action.	should have been if the proposed project had been identified earlier.	
	"Under NEPA, an EIS must rigorously explore		
	and objectively evaluate all reasonable		
	alternatives. Reasonable alternatives include	Based on strong positional and biased content in Appendix 1B - see related comments - it is clear the applicant did not desire water	
	those that are practical or feasible from the	storage as a project alternative. From the lack of documentation of the treatment of the water storage concepts submitted in the	
	technical or economic standpoint and using	public scoping process it is clear that this potential project option was never given due consideration because the application did not	
	common sense, rather than just desirability	desire that outcome. The BDCP EIR/S clearly is not compliant with the NEPA EIS requirement to consider all reasonable alternatives	
3A-18, line 30	from the standpoint of the applicant."	and to not exclude alternatives based only on the desirability of an alternative from the standpoint of the applicant.	
		Water storage, distributed intakes, criteria south delta fish screens, Sacramento Deep Water Ship Channel as a component of the	
		conveyance all pass the test of practical and feasible for environmental, technical, legal and economic standpoints as compared to the	
		challenges presented by the tunnel conveyance. In other words, these concepts would all likely have less environmental impacts, less	
	The third level of screening includes evaluation	legal challenges, less technical challenges, be more accepted by the local communities and be less expensive than the Proposed	
	of practicality and feasibility of potential	Project tunnel water conveyance. By passing this final set of criteria, all of these concepts should have been advanced to be combined	
3A-18, line 30	alternatives.	into alternatives for full analysis in the EIR/S.	
		The Delta Reform Act is not a screening criteria. It is a list of items the legislation mandates will be included for analysis in the BDCP	
	3A-12, line 37 says that the requirements of the	EIR/S and is not a list of requirements that any other concepts for consideration as alternatives must meet in order for them to be	
	Water Code Section 85320 from the 2009 Delta	included in an alternative. This is a list of minimum alternatives that must be considered, not a list of maximum alternatives to be	
3A-20, line 8	Reform Act are a screening criteria.	considered.	
	The State Water Board, as a CEQA responsible		
	agency for the BDCP required specific		
	alternatives to be included in the scope of the	The EIR/S did not contain an alternative that did not include new conveyance facilities. It is clear from the text that the water board	
	BDCP EIR/S analysis. "Does the range of	was not referring to the No Action alternative without new conveyance facilities but was referring to a project alternative that was to	
	alternatives include an alternative with long-	be included that did not include new conveyance facilities. The Through Delta conveyance alternative should not count as satisfying	
	term changes to the State Water Resources	this request as there are new facilities (gates, armored levees, bypasses, etc.) associated with this alternative. The BDCP should be	
	Control Board Bay-Delta Plan without new	responsive to the CEQA responsible agencies request and include an alternative that does not include new conveyance. The	
3A-24, line 24	conveyance facilities?"	previously identified additional upstream and/or downstream storage would meet the water boards request.	
	The State Water Board, as a CEQA responsible		
	agency for the BDCP required specific		
	alternatives to be included in the scope of the	The BDCP EIR/S impact assessment WS-2: Change in SWP and CVP deliveries impact call was "No Determination" for both NEPA and	
	BDCP EIR/S analysis. "Does the range of	CEQA for all project alternatives including the No Action and Proposed Project alternative 4. This means that the EIR/S was unable to	
	alternatives reflect the coequal goals of the	decide if the project delivered a water supply benefit or not. If there is not a benefit to water supply in any of the alternatives as the	
	Delta Reform Act of providing a more reliable	EIR/S indicates, then the BDCP EIR/S has not met the water boards requirement to consider an alternative that provides a more	
	water supply for California and protecting,	reliable water supply. The BDCP EIR/S should develop and analyze an alternative that does provide a benefit to water supply	
3A-24, line 32	restoring, and enhancing the Delta ecosystem?"	reliability, revise the EIR/S document and recirculate the draft document for public comment.	

	The State Water Board, as a CEQA responsible		
	agency for the BDCP required specific		
	alternatives to be included in the scope of the		
	BDCP EIR/S analysis. "Does the range of		
	alternatives include an alternative that would		
	contribute to reducing reliance on the Delta in		
	meeting California's future water needs through		
	a statewide strategy of investing in improved	The BDCP alternatives do not include any provisions for reducing reliance upon the delta for meeting water needs. The BDCP EIR/S	
	regional supplies, conservation, and water use	should develop and analyze an alternative that does reduce reliance upon the delta as a water supply, revise the EIR/S document and	
3A-24, line 32	efficiency?	recirculate the draft document for public comment.	
		The preceding three comments show that the answer was "no" at least 3 times, so the BDCP EIR/S needs to develop additional	
		alternatives. By not having these alternatives, the project will not have "Alternatives responding to the requests from the State Water	
	"The Lead Agencies have determined that, if the	Board, the DSC, and EPA will likely form low-impact "bookends." The low impact bookend project alternatives are important as the	
	answers to any of these questions are "No," an	alternative that meets the project needs and has the least environmentally damaging project alternative (LEDPA) must be adopted by	
	additional alternative should be included or an	the USACE and EPA for approval in their permitting process. By the BDCP omitting these bookend alternatives, the EIR/S is denying	
	alternative should be modified to support a	the opportunity to meet the project needs and achieve the lowest environmental impacts while meeting the project objectives. The	
3A-24, line 38	"Yes" answer."	current BDCP exclusion of these other alternatives is in direct conflict with the concepts and requirements of LEDPA.	
	The initial screening did not address a number		
	of conveyance alternatives identified earlier in	No storage alternatives were considered in combination with through delta or other conveyance alternatives. These were never even	
3A.6	this chapter, including storage	considered for screening according to this Appendix 3 documentation.	
		Unlike all the other conveyance alternatives, the tunnels are never described as to where this conveyance concept originated or any	
	A number of the conveyance alternatives	other background. The BDCP must provide disclosure of the source of the tunnel alternative conveyance and background on its	
3A.6, line 12	identify tunnel options.	development and previous investigations.	
		The HCP/NCCP is free to propose any project concept they want, but the EIR/S may not propose project alternatives that did not come	
		from the public scoping process or were not introduced into the public record prior to the closing of the public scoping period. The	
	The tunnel conveyance was not proposed by the	BDCP has produced no evidence that the tunnel conveyance option was identified in the public record or scoping prior to the closing	
	BDCP HCP/NCCP until the public scoping	of the public scoping period for the ERI/S, so the EIR/S may not include any tunnel conveyance alternatives except the one proposed	
3A.6	process for the EIR/S had been completed.	by the BDCP HCP/NCCP.	
		The potential for smelt to become entrained in the locks during operation is exaggerated. If the lower end of the locks exposed to	
		water that potentially have smelt in them are kept closed at all times except when a ship is entering or exiting the locks on the south	
		end, the only opportunity for smelt to enter would be when a ship is entering or exiting the lock. This would be a noisy and turbulent	
		area that the smelt would tend to avoid. Water used to fill the locks during transfers would be from smelt free upstream water as the	
		SDWSC would always be at a higher stage elevation than the part of the channel downstream of the locks. This assessment also	
	"The presentation also stated that there was a	misses the concept that if a smelt were to become entrained in the locks that there would be a 50% chance that the smelt would exit	
	potential for delta smelt to enter the	the same way they came in so 50% of the straying smelt would rescue themselves from the entrainment. This BDCP assessment also	
	conveyance facility by passing through the	misses the fact that the intakes that are associated with this conveyance option are upstream of all known smelt distribution, so there	
3A -48, line 28	lock."	would be no take of smelt associated with the intake operations or structures. All other conveyance options do have take associated v	

	"The presentation also stated that the Deep		
	Water Ship Channel would require construction		
	because the facility (1) does not meet the	The BDCP should have done it's own independent review of the viability of the Sacramento Deep Water Ship Channel (SDWSC) as a	
	seismic criteria for the Isolated Conveyance	conveyance. Let's address each of the points the EIR/S cites. First, the SDWSC levees are over 50 meters wide. Even though it was no	
	Facility, (2) was not designed to withstand the	built to the latest seismic standards, a retrofit with slurry walls to get it to code would be less expensive and a much lower	
	200-year return flood and associated	environmental impact than other conveyance options that were advanced for further consideration, e.g. compared to the eastern	
	inundation, and (3) was not designed to	alignment surface canal (initial screening alternative B2), the retrofit of the SDWSC would be cheaper and have less environmental	
	withstand sea level rise that could occur over	impacts. Second, the SDWSC would be an isolated facility, so would not be subject to flood flows. The existing CVP/SWP facilities that	
	the next 100 years, and because levees may	would be used as part of the conveyance in all of the alternatives would also not meet 200 year flood events without damage. Third,	
	require improvement to store the additional	the Locke's at the South end of the SDWSC will protect it from sea-level rise. So out of the three reasons given by the BDCP for	
3A -48, line 33	water at higher elevations than existing flows."	dismissing this alternative from further consideration, none of these reasons stand up to scrutiny and this concept should not have bee	
	"The April 15, 2009 presentation included		
	results from the 2006, 2007, and 2008 delta		
	smelt surveys. The results showed the presence		
	of over 700 delta smelt/10,000 cubic meters		
	along the lower Deep Water Ship Channel near		
	the potential locations of the new ship lock and		
	intake. The information in the presentation		
	included results of an analysis that showed that	We have worked with this data and the BDCP representation is extremely misleading from the facts. The smelt collects were almost	
	the number of delta smelt observed was	entirely in the Cache Slough and Liberty Island areas and only 3 fish collected were from the SDWSC that would be in the area	
	generally less than 5% of the delta smelt	potentially affected by the SDWSC operation as a water conveyance. The BDCP must correct this gross misrepresentation of the	
3A - 48, line 39	observed in the western Delta."	survey data as it relates to the viability of this conveyance alternative and restore this option to full consideration in the EIR/S.	
	"This alternative was 1 eliminated from further	The preceding 3 comments make it clear that this conveyance alternative may have lower delta smelt impact than any other	
	evaluation because it could adversely affect	conveyance option considered in the full analysis. Other conveyance options were carried forward that had larger potential adverse	
	delta smelt and navigation along a federal	impacts to delta smelt, e.g. through delta. All the other conveyance alternatives that have north delta intakes also adversely affect	
3A - 49, line 1	navigation corridor."	navigation, so this is not a consistent rationale as a basis to eliminate the SDWSC as a conveyance option.	
	"If the intake were located near the Port of		
	West Sacramento, a single, large intake would		
	be constructed at one location along the		
	Sacramento River, which could result in	This can't be part of the rationale for excluding this conveyance from further consideration. One large intake is obviously stupid and	
	localized impacts on aquatic resources and	unviable and was not included in any alternative that went forward in the screening process. Multiple intakes were discussed in	
	navigation, and could require modification of	context with this conveyance option including integrating intakes into modified and improved facilities at Fremont and Sacramento	
3A - 49, line 8	the locks at the Port of West Sacramento."	Weirs and at the existing SDWSC locks at West Sacramento.	

	"Through Delta Conveyance with Fish Screens at		
	Clifton Court Forebay. This alternative was		
	eliminated from further evaluation because		
	initial results of recent studies, including		
	information included in the recent NMFS		
	biological opinions, supported a phased		
	approach that would emphasize improvements		
	to operations of fish handling facilities and		
	reduced predator potential within Clifton Court	OK, so there was some support for a phased approach of improving fish survival at Clifton Court Forebay. This information does not	
	Forebay prior to further analysis of installation	preclude consideration of this as an alternative for full consideration nor does it mean that the alternative could not have been	
3A - 50, line 35	of fish screens."	phased.	
	"These studies have indicated that it is difficult		
	to find a location at the Clifton Court Forebay		
	site for a single location that would provide	See related comments on descriptions of Clifton Court Fish Screen Facilities that would meet screen operations criteria. It is possible	
	appropriate sweeping velocities to reduce the	to have compliant screens, so this is not a suitable reason to dismiss this alternative either. This alternative would have been much	
	entrainment of fish in accordance with USFWS	more viable if it was combined with upstream in-delta and/or downstream storage which would have allowed emphasis on diversion	
	and NMFS fish screen operations criteria or	operations during winter periods in which endangered fish species were less exposed which would further improve fish protections at	
3A - 51, line 3	guidance."	the south delta diversions.	
	None of the EIR/S provided any rationale to		
	eliminate this option from further	See preceding two comments. The BDCP provided lots of additional information other than these two points, but no more rationale	
3A - 51, line 3	consideration.	regarding this options dismissal.	
		The BDCP EIR/S fails to identify sip vs. gulp intake operations that were identified in Steering Committee meetings and in the EIR/S	
3A.9	Conveyance operations	public scoping comments - see related comments.	
		The BDCP only considered on bank intakes that were 3,000 cfs in capacity. 3000 cfs is at the extreme end of the size for intakes that	
		have any relevant precedence for use in the Sacramento River system. The BDCP did not conduct or present any due diligence	
		regarding the use of smaller intake sizes that could have given fish a shorter duration of exposure to screen operations. the BDCP did	
		not provide any rationale for all of the alternatives having on-bank instead of some of the alternatives including in-river intakes so the	
		affects of that potential alternative component could be assessed. The BDCP EIR/S alternatives only included intakes at a single set of	
		locations with no inclusion of alternative locations or combinations of locations. As an example, it would have been good to have an	
	The BDCP considered different conveyance	alternative that had intakes that are below the important Sacramento Tributary confluences with Sutter and Steamboat Sloughs.	
	capacities, but did not consider any different	Intakes downstream of these confluences would have had the opportunity for juvenile salmonids to emigrate through these sloughs	
3A.9.6	intake sizes or designs.	and avoid exposure to the intakes. The BDCP must include alternatives that incorporate different intake sizes, different intake types a	
		This is not a decision tree, a decision tree has defined chieffa for the any synthe answers with clear actions of directives in response to the binary use (as decisions. There are a decisions in the decision and the tree parts and decisions criteria actions actions.	
		to the binary yes/no decisions. There are no decisions in the description of the tree nor any decision criteria of response actions decisions in the description of the tree nor any decision criteria of response actions decisions are described as constant to the tree. The DCC2 must be investigated with the decision of the tree normal decision decision of the tree normal decision decision of t	
24 10 6 2	Decicion Trop	described. This cannot be implemented as described, modeled or operated to, it is a farce. The BDCDP must provide real criteria, described, and responses in a binary describing formation it is must delate this part described to the formation of the second	
SA.10.0.3	Decision free	decisions and responses in a binary decision format or it must delete this hon-decision hon-tree decision tree from the EIR/S.	

	"Although there is much merit in this Portfolio-		l i i i i i i i i i i i i i i i i i i i
	Based Proposal, the entire portfolio, viewed as a		l
	package, does not qualify as an EIR/EIS	As identified in previous and other comments, the focus on the delta as the only geographic area that can be included or considered in	1
	alternative for the BDCP, as its scope is far	addressing the identified BDCP purpose and needs and objectives is arbitrary, capricious, without merit and predecisional. See related	1
	greater than can be achieved through a Delta-	comments on chapter 2. The BDCP must not drop the Portfolio Based proposal solely on the fact that necessary actions to meet the	1
3A-81, line 21	focused HCP/NCCP."	project objectives would occur outside of the delta. The BDCP must give this alternative full consideration in the revised EIR/S.	
	"Similarly, "[d]enveloping new water storage		
	south of the delta" (see January 16, 2013, press		l
	release) is also beyond the scope of an		1
	HCP/NCCP focused on the Delta. DWR agrees		l
	that such new storage should be part of an		1
	overall water supply program for California in		l
	coming decades, as is made clear in Appendix	New storage south of the delta may be outside of the scope of the HCP/NCCP, but it is not outside the range of reasonable	l
	1B, Water Storage; but DWR's support for such	alternatives that address the majority of the stated purpose and need of the project in chapter 2 of the EIR/S. The EIR/S statement is	1
	supply augmentation cannot transform the	incorrect as additional downstream (and/or upstream) storage would allow delta operations to be altered such that they would avoid	l
	BDCP from an incidental take permit focused on	many of the current CVP/SWP operational conflicts with environmental resources (fisheries, water quality and water supply). We	l
	the Delta into a water plan for all users of Delta	have a number of comments which address the fact that storage does meet project needs and should not be eliminated from further	l
3A-81, line 33	water."	consideration and full analysis in the EIR/S just because the action would occur outside of a predecisionally defined geographic area.	1
	"Similar to the Portfolio-Based Proposal,		l
	Congressman Garamendi's Water Plan would		l
	also (1) require changes in the manner in which		1
	local and regional water managers use their		1
	supplies, (2) involve unfunded levee		l
	improvements that are unrelated to restoration		1
	of the Delta ecosystem, and (3) include new		l
	storage projects outside of the Delta that are		1
	beyond the scope of the BDCP. As with the		1
	Portfolio-Based Proposal, the Congressman's		l
	Water Plan is also akin to a statewide water	Let's break down these objections to this proposed alternative. 1) The BDCP can provide funding, training and technical assistance in	l
	plan that would treat California as a single	the service area to achieve this component. It does not have to construct any facilities or change the operating independence of the	l
	water planning unit and include steps about	service area entities. 2) Levees are part of the conveyance for the dual operations of the south delta diversions so they are a part of	l
	how to increase water use efficiency and water	conveyance. Plus, levee improvements are great opportunities to incorporate habitat restorations, e.g. setback levee floodplain, large	l
	supplies throughout the entire state. Although	wood debris jams, riparian vegetation plantings for cover and forage. 3) The delta as a confined area of potential project action is	1
	these steps are highly meritorious, they are	arbitrary and unsupportable - see related comments. The proposal description has no components which match the accusation that	l
	outside the scope of an HCP/NCCP for the	the proposal is for a statewide water plan, see #1 above. Again, the delta is an artificial, predecisional constraint put into the purpose	l
3A-85, line 20	Delta."	and need that should not have been used as an alternative screening criteria.	
		We have already deconstructed and refuted the BDCP dismissal of Alt B5 in earlier comments in this section, so all of those same	I
		comments apply here. None of these BDCP arguments to dismiss this alternative are valid and this alternative should be included in	I
	BDCP comparison of the Garamendi proposal	the EIR/S for full analysis. If components of the proposal are truly unacceptable, then those should be dropped from the proposal,	I
3A-85, line 30	with Alt B5.	with supporting sound rationale, and then the surviving components of this alternative must be analyzed.	1

		The BDCP cannot just assume that the project permits will be renewed at the end of the proposed 50 year project period. The BDCP	
	Where is the commitment to fund and	must make provisions, financially and in management actions to decommission and remove the project features at the end of the	
	implement the deconstruction of the BDCP at	project period. Otherwise if the project is not renewed, the public will be stuck with the cost of decommissioning, removing or	
3B	the end of the 50 year project period?	maintaining the facilities and project features, e.g. levee maintenance, security, etc. in perpetuity.	
		The impacts of the environmental commitments, and there are lots of them, are not included in the impact assessments of the	
	"they will not be restated in the impact	individual affected resources categories, but instead are buried here, deep in an unrelated appendix. These impacts were not	
	analysis for each resource chapter but instead	appropriately assimilated into the impact calls of the respective resource categories and were not consistently referenced to this	
3B-1, line 19	will be incorporated by reference."	section.	
		This is not at all reassuring and provides no substantive assurance of compliance, especially since DWR will be running the facilities	
	"The BDCP 21 proponents will see to it that	(according to the EIR/S, and DWR is only one of the 50 odd project proponents. How do the project proponents propose to ensure	
	these measures will be implemented as	this happens when they do not have operational control over the project? Who determines what is appropriate and by what criteria.	
3B-1. line 21	appropriate"	These must be disclosed.	
		This table is not at all useful to the reader. Are we supposed to go back to each chapter and find each of these and do our own catalog	
	"Table 3B-1. Summary of Environmental	of what each of these are? The presentation of this information is purposely difficult to use and does not meet the standard of	
3B-2	Commitments"	making information accessible or understandable and that is in violation of NEPA and CEQA requirements.	
		· · · · ·	
	"Detailed subsurface investigations will be	If the conveyance was described and analyzed at a project-level of detail then these studies would have been completed already. The	
	performed at the locations of the water	findings of this work will make profound differences in the environmental impacts that the BDCP EIR/S has not evaluated or disclosed	
	conveyance alignment and facility locations and	in this document. A simple example is that for an unstable area, the BDCP would have to relocate the facility or perhaps use a much	
3B-6. line 4	at material borrow areas."	larger foundation (which changes the volume of cement used, equipment used, number of hours of equipment used, etc.),	
	"The geotechnical investigation will also include		
	a small scale environmental screening to assess	This is saving that the tunnel access port locations may change from what has been analyzed in the FIR/S and that the BDCP might at	
	the presence or absence of dissolved gases that	this point finally have some understanding of how and where the tunnel muck would be disposed. This is another example of how	
	will help guide the tunnel ventilation design and	the convexance is not described evaluation of mitigated or disclosed at a project-level of detail. These are all material changes to the	
	disnosal considerations for excavated materials	document and will require recirculation for nublic comment when they are added. The BDCP must not be awarded take or	
38-6 line 18	and tunnel cuttings "	construction-related normits based on the currently deficient and incomplete project impact assessment	
50°0, mie 10	"The locations of borings and other test	construction related permits based on the currently dendent and meonprete project impact assessment.	
	locations will be based on a review of available		
	geologic data to identify data gaps in the		
	conveyance alignment and on the locations of	This data is available, and yet the RDCP has not yet utilized it. Where is this available data and why has the RDCP not disclosed it or	
	critical facilities such as hydraulic structures and	this add is available, and yet the Specified by NEDA and CEOA to utilize the bast available and why must be been hot anciested to whome	
38-6 line 23	tunnels "	that the FIR/S faile to do that	
50-0, mic 25	"Localized settlement could occur during		
	construction of BDCP water conveyance	This is exactly why the delta residents and communities are so concerned about the TRM and layee stability. TRMs have been	
	facilities in particular settlement above tunnels	This is exactly why the deta residence and communities are so contend about the role and rever stability. This investeen deen documentation or use laves failures, e.g. the Carrell Salt and laves failure by the SEPUIC TBM, see related comments. The BDCP	
	could occur in response to removal of oarth	describes saveral factors that can contribute to surface sattling with the TBM of the TBM of the TBM of the to surface sattling with the TBM of the TBM of the TBM of the to surface sattling the to the total same saturation of the total sate sate sate sate sate sate sate sate	
	materials at the tunnel face, convergence of	in the data. The BCOP does not even know what kind of TBM in will use see fallowing comment so the SEP (does not even know what kind of TBM in will use see fallowing comments of the SEP (does not even know here).	
	voids created around the tunnel execution and	and are default in the best does not even know what kind of rowing will will despise following comment, so there into a despise into even provide	
	stross redistribution around the excevation, and	any assurance that the pressurated for that reportedly reduces some or these risks will be used. These are unacceptable risks to human back and prepared and the DPCP provides no assurance of how it will avoid minimize or mitiante these risks and classificant	
20.7 1 14	stress redistribution around the excavated	numan nearth and property and the bDCr provides no assurances of now it will avoid, minimize or mitigate these risks and significant	
38-7, IINE 14	tunnei."	impacts.	

	"The magnitude and extent of ground		
	settlement depends on the excavated diameter		
	of the tunnel, the amount of ground cover		1
	above the tunnel, excavation methods,		
	workmanship, details of tunnel construction,	The BDCP has provided no information on how these risk factors will be managed in the TBM process. The EIR/S is deficient in this	
3B-7, line 17	and the geotechnical properties of the ground."	regard and this material information must be provided.	1
	"Based on the preliminary data regarding Delta		
	ground conditions, it is assumed that an earth		
	pressure balancing TBM will be used for all	This is a big assumption. A project-level analysis would already know and disclose and evaluate the specific make and model of	1
3B-7, line 22	tunneling."	machine used.	
	Additionally, should geotechnical reports		l l
	indicate that settlement is likely in certain		
	areas, pre-excavation grouting will be		1
	performed ahead of the TBM to fill voids and	These grouting areas would be additional areas of surface disturbance and impacts that have not been identified, evaluated, disclosed	1
3B-7, line 27	stabilize ground prior to mining."	or mitigated in this EIR/S document.	
	"A settlement monitoring program will be		1
	implemented on sensitive features—including		
	levees, structures, facilities, pipelines, and		1
	utilities as required, to ensure that tunneling-	The BDCP EIR/S has not disclosed what "acceptable limits" are for subsidence and structural disruption of levees. The answer should	
	induced settlement is controlled within	be "zero tolerance", but the BDCP fails to disclose what their limit of levee disruption is. The BDCP must describe, evaluate, disclose	1
3B-7, line 33	acceptable limits."	and mitigate whatever "tolerance" they have for subsiding delta levees and other land use and infrastructure.	
	"the BDCP proponents will ensure the		1
	preparation and implementation of erosion and		1
	sediment control plans to control short-term	These plans must be developed as part of the proposed project, not as an afterthought at some future undisclosed date. The methods	1
	and long-term erosion and sedimentation	of control have environmental impacts and they must be disclosed and mitigated. Further, the most important management aspect of	
	effects and to restore soils and vegetation in	this plan will be avoidance of areas prone to significant problems or sensitive receptor sites. If the BDCP implements these avoidance	
	areas affected by construction activities	components of this plan correctly, it will change or modify the proposed locations of these activities, sometimes to locations that are	
3B-16, line 6	following construction."	not currently evaluated, disclosed or mitigated by the current BDCP EIR/S document.	
	"facility operation noise levels at nearby		
	residential land uses do not exceed 50 Leq		1
	during daytime hours (7:00 a.m. to 10:00 p.m.)		
	and 45 dBA Leq during nighttime hours (10 p.m.		
3B-26, line 20	to 7 a.m.)."	Rural area noise levels are reportedly 30 dBA. 45dBA is 267% louder than that level. That is a significant impact.	
	"the BDCP proponents will develop site-		1
	specific plans for the beneficial reuse of these	Here is another example of a conveyance measure action that is not at a project-level of detail in its description, evaluate, disclosure	1
3B-34, line 39	materials:	or mitigation.	
	"Should RTM decant liquid constituents exceed		1
	discharge limits, these tunneling byproducts will		1
	be treated to comply with NPDES permit		1
3B-36, line 30	requirements."	This would require water treatment facilities that the BDCP has not described, disclosed, evaluated or mitigated.	1

			The BDCP has absolutely no supporting evidence for this incredibly optimistic estimate of materials volumes that may be	
		"In such instances, (anticipated to apply to less	contaminated. It is equally likely, based on the lack of information and disclosure of the tunnel muck chemical characteristics along	l i i i i i i i i i i i i i i i i i i i
		than 1% each of excavated spoils, RTM [or,	the conveyance route, that 50% of the material could require class 1 disposal. This volume of trucking to Kettleman City dump would	1
		270,000 cubic yards], and dredged material),	have significant air quality impacts and would be enough to severely impact the available capacity at the dump. The BDCP EIR/S did	1
		the material will be disposed of at a site	not evaluate the impacts of disposal of even its unsupported and ridiculously optimistic estimate of 1% alone a more realistic figure as	l
	3B-36, line 36	approved for disposal of such material."	described.	1
ſ				
		"The BDCP proponents will ensure the		l
		preparation and implementation of a pre-		l
		dredge sampling and analysis plan (SAP) to be		1
		developed and submitted by the contractors as	Seeing as the BDCP is seeking construction related permits for the project, these samples must be taken from the specific dredging	1
		part of the water plan required per standard	locations proposed by the BDCP. If the locations are not specific enough to sample or the samples have not been taken, then the	l
	3B-37, line 4	DWR contract specifications Section 01570."	construction (dredging) permits must not be issued.	
ſ		"Prior to construction, draining, and chemical		
		characterization of spoil, RTM, and dredged	The BDCP is saying it does not know where the tunnel muck would be reused. Moving the materials to a location from their storage	1
		material, the BDCP proponents shall identify	areas will have air quality and traffic impacts that have not been evaluated, disclosed or mitigated by the BDCP EIR/S (let alone at a	l
l	3B-38, line 8	sites for reusing such materials"	project-level of detail).	
		"Depending on which combination of these		l
		approaches is selected, implementation of		l
		material reuse plans could create		1
		environmental impacts requiring site-specific		1
		analysis under CEQA and/or NEPA. Many of		l
		these activities would require trucks or barges		1
		to gather and haul materials from one section		1
		of the Plan Area to another. For instance, reuse		l
		of material in the implementation of tidal		1
		habitat associated with CM4 could require		l
		material to be transported to locations in the		1
		West Delta ROA (including Sherman and		I
ļ		Twitchel Islands) or the Cosumnes/Mokelumne	Yes, the tunnel muck disposal, which is an integral part of constructing the conveyance is not analyzed at a project-level of detail and	I
		ROA (including Glannvale Tract and McCormack-	would require subsequent environment analysis. Exactly our point, see preceding comment. The subsequent analysis of impacts that	l
l	3B-39, line 24	Williamson Tract), among other areas."	are integral to a project is called piece-mealing and it is in violation of both NEPA and CEQA regulations.	

	"While reuse locations near to the spoil or RTM		
	areas would be preferred, such activity would		
	require use of local roadways, which could lead		
	to short-term effects on traffic, noise levels, and		
	air quality. Similarly, earthwork and grading		
	activities to restore sites to preconstruction		
	conditions and to apply the materials consistent		
	with their reuse could create noise and effects		
	on air quality during the implementation of		
3B-39, line 34	reuse plans."	Exactly, see the two preceding comments.	
	"Additionally, materials placed near levees		
	could affect drainage and/or irrigation		
3B-39, line 39	infrastructure."	Exactly, see related comments.	
	"BDCP proponents will retain a qualified water		
	quality specialist, wildlife, or fisheries biologist		
	with expertise in selenium management to		
	develop a comprehensive Selenium Monitoring	The BDCP should have already done this as these mitigation plans will almost certainly have their own impacts which have to be	
3B-40, line 24	and Management Plan (SMMP)."	disclosed as part of the project.	
	"Minimizing bioavailable selenium		
	concentrations associated with anoxic or near-		
	anoxic conditions by reducing the amount of	This is disturbing that the author is not aware that most of the habitat restorations proposed by the BDCP are on the highest organic	
3B-41, line 1	organic material at a restoration site"	matter soils there are, peat soils.	
	"Such a comparison shall identify the extent, if		
	any, to which the impacts of proposed		
	conservation projects may extend onto lands		
	that were not considered in the BDCP EIR/EIS	If this does happen, then the permits that were issued on the basis of this EIR/S are invalid as the implementation of the BDCP would	
	because they were outside these theoretical	fall outside of the envelope of environmental coverage and disclosure provided by this document. This again would be piece-mealing	
3B-42, line 6	impact areas."	which is in violation of both NEPA and CEQA regulations.	

	"This commitment shall apply specifically to		
	those purveyors affected by significant		
	increases in bromide, electrical conductivity,		
	chloride, and DOC concentrations such that the		
	purveyors will bear increased financial costs in		
	order to continue to treat or otherwise supply		
	water to acceptable standards. The assistance		
	provided by the BDCP proponents is intended to		
	fully offset any increased treatment or delivery		
	costs attributable to CM1, or for DOC		
	attributable to CM2-22 and may take the form		
	of financial contributions, technical		
	contributions, or partnerships. Assistance for		
	construction and/or operation of facilities or	CM2-22 degrade water quality more than just DOC. Through evaporation in the aquatic habitat areas, increased EC, chlorides,	
	the procurement of replacement sources shall	bromides, and other chemical residues are concentrated. The BDCP must not only pay for the costs of water treatment (which the	
	be limited to reasonable, cost-effective	delta ag water purveyors do not currently do with their current water quality even though it is degraded and impacted from the	
	solutions developed with input from the BDCP	current on permitted CVP/SWP operations) but also for the costs of any water quality impacts associated with ag discharge water	
	proponents. It is anticipated that such solutions	quality and compliance costs thereof. Reasonable is a very subjective word that is incorrect here. The requirements for mitigation are	
	would be devised by the affected purveyors in	for what is "feasible". Considering the cost of the facilities and habitat restoration and the value of the water being delivered by the	
	consultation with BDCP proponents after	project over a 50 year period of time, it is reasonable that the BDCP should be able to spend 25% as much as that total value on	
	thorough investigation and the completion of	mitigating the significant water quality impacts to the senior water rights holders and users of the delta. The BDCP is proposing that	
3B-42, line 30	environmental review."	the impacted parties pay to develop the plan to mitigate the impacts the BDCP has precipitated. The BDCP must develop and put forw	
		This explains why no operational changes were made in the No Action in response to climate change and they were in the Proposed	
	"Assistance shall not extend to investments	Project and alternatives - see related comments. Climate change impacts, because no common sense responses to it with existing	
	needed solely or substantially to address	agreements and policies - see related MBK modeling analysis comments, overshadow the impacts of the Proposed Project and	
	adverse water quality effects due to any of the	alternatives. Because the No Action was not equally treated in terms of response to climate change, most of the impacts from the	
	following: sea level rise and/or changed	Proposed Project are attributed to climate change. In this way, the BDCP can stack the deck so they don't have to pay for these BDCP	
	precipitation patterns attributable to climate	impacts on delta water quality on the senior water rights holders and users. Again, the No Action must be revised to include	
3B-43, line 3	change;"	reasonable responses to anticipated climate change affects that are within the agreed upon policies and practices of the CVP/SWP.	
	"3B.2.1.1 Chloride and Electrical Conductivity		
	The following are concepts that affected		
	purveyors could consider to address adverse		
	effects of increased chloride concentrations and	We have provided many additional more feasible and practical mitigation measures in our comments under water quality, water	
3B-43, line 11	electrical conductivity"	supply, land use and agriculture sections - see related comments.	
3B-43, line 33	"3B.2.1.2 Bromide"	See above comment.	
3B-44, line 16	"3B.2.1.3 Dissolved Organic Carbon"	See above comment.	
3C Table 1	These are all very generalized descriptions.	These ranges of locations and facilities sizes are not project-level detail.	

3C-7	"22,090 cy concrete, 1,700 kips of reinforcing bar." "Projected solid waste excavation (not dredge	This is very precise for a site that has not been defined and that the requisite geotechnical work has not been done on. This estimate will be wrong and all of the impact analyses that were based on it will be wrong as a consequence. There are many examples on this table and this entire appendix of false precision of information without any of the requisite work being done to support it. Some examples include: cement and rebar volumes, RTM volumes, earth moving volumes, haul volumes, haul distances, The preceding disclosure in appendix 38 said it was 1% and now here it is 0.1%. Obviously both are wrong and unsupported (see related comment), but they are definitely in direct conflict with each other. Even the difference between these exceedingly optimistic	
3C-11	material) from conveyance pipelines to be disposed of in landfills is estimated at 0.1%."	unsupported estimates have significantly different magnitude impacts. One or both of these are wrong and therefore so is the disclosure of related impacts.	
3C Table 7	"Final locations for storage of spoils, RTM, and dredged material would be selected"	They don't know where the storage locations are so all of the information regarding equipment usage, air quality, traffic and other impacts is incorrect, invalid and not at a project-level of detail for analysis, disclosure and mitigation.	
3C Table 20	"Intake 2 Same as Pipeline/Tunnel Alignment (see Table 3C-9) Intake 3 Same as Pipeline/Tunnel Alignment (see Table 3C-9) Intake 5 Same as Pipeline/Tunnel Alignment (see Table 3C-9) Pumping Plant 2 Same as Pipeline/Tunnel Alignment (see Table 3C-9) Pumping Plant 3 Same as Pipeline/Tunnel Alignment (see Table 3C-9) Pumping Plant 5 Same as Pipeline/Tunnel Alignment (see Table 3C-9) Pipelines Same as Pipeline/Tunnel Alignment (see Table 3C-9)	The BDCP has gone out of its way to make sure the information is as confusing and inaccessible as possible. This reference to other sections goes on and on to the point this table is unusable. At lease this one provided a reference when many other instances in the main document failed to point to their supporting details in appendixes.	
3 E-8	Table 3E-1. Principal Active Crustal Fault Locations and Seismicity Characteristics in the Delta Region	These faults are closer in proximity to and higher risk factors for the current CVP/SWP canals and downstream storage at San Luis Reservoir than they are proven to be for the delta levees. The BDCP proposed no actions to improve the reliability of the existing CVP/SWP facilities from earthquake damage which is in conflict one of the primary purposes cited in chapter 2 for the project. The BDCP must propose actions to protect these other more vulnerable parts of the CVP/SWP delivery system. If there is a big quake and delta water quality is impaired from a levee break, it will not matter if the rest of the CVP/SWP delivery system downstream of the delta is also out of commission from the lack of implementation of actions to improve the integrity and reliability of this part of the system - see related comments.	

	"Such structures are potentially capable of		1
	producing ground manifestations during offsets		1
	(e.g., subsurface shear zones and/or surface		1
	bulging), with the previously described Midland		1
	Fault, for example, exhibiting an anomalous	The BDCP EIR/S does not disclose the design elements incorporated into the tunnel or canal options that would protect them from this	1
	relief feature of between 6.6 and 9.8 feet along	type of event. The document is saying we should be worried about the levees for this and that the water supply must be protected	1
	the trace of this fault near the base of an	from this, but does not say how the proposed water conveyances are protected from this or provide any analysis that these are safer	1
3 E-10, line 18	associated peat layer (DWR 2009c, 2009d)."	then the current levee conveyances.	1
	"Potential seismic ground shaking in the Delta		
	area has been evaluated using standard and	The BDCP should have done this analysis on the entire CVP/SWP system to address the stated project purpose to improve water	1
	modified Probabilistic Seismic Hazard Analyses	supply reliability, specifically from earthquakes. Instead the BDCP artificially and without supporting rationale, limited this	1
3 E-10, line 33	(PSHAs)."	investigation to the plan area in the delta - see related comments on the incorrect geographic constraint on potential project actions.	1
		This is another reason for concern for the use of the TBMs under the delta levees. They provide a source of intense and prolonged	
	"Liquefaction and related effects are influenced	vibration exposure to the levees that increase the risk of levee liquefaction just like the BDCP claims an earthquake could. This risk is	1
	by ground motion intensity and shaking	especially elevated during times when water levels are high and levees are saturated. The BDCP can minimize the risk of the TBMs	1
3 E-12, line 1	duration."	causing levee failures by only operating at low flow tributary conditions - see related comments.	1
	"None of these failures is attributable to seismic		1
	events, but Delta levees have not experienced	Correct, there is no documentation of a delta levee failure occurring from an earthquake. The vast majority of delta levees were	1
	the greatest potential seismic shaking at their	constructed prior to 1906, so the BDCP statement that the delta levees have not experienced a major quake is incorrect and	1
3 E-13, line 7	current size and configuration."	misleading.	1
	"The epicenter of the 1989 Loma Prieta		
	earthquake (magnitude 6.9) occurred	Yes, this quake did not damage delta levees, but it did damage the California Aqueduct by causing additional leaks in the reach in the	1
	approximately 80 miles from the center of the	Tracy Hills. This is why the BDCP must be looking to the other existing CVP/SWP infrastructure for earthquake vulnerability and not	1
3 E-13, line 15	Delta."	just the delta levees.	1
		The BDCP correctly identifies that levees were mostly constructed from the adjacent local materials and that these materials are	
		generally not well geotechnically suited for levee construction. Then the BDCP goes ahead and proposes that much of the tunnel	1
		muck local materials can be reused to build levees (after soil conditioning agents that deflocculate the soil structure to make it	1
		flowable have been added). The flowable quality that makes the tunnel muck easier to handle also would make it more prone to	1
3 E-14, line 31	"Liquefiable Material in the Levee Fill"	liquefaction under saturated conditions. This is extremely flawed and conflicting logic from the BDCP.	1
		The BDCP must apply these same models and scenarios to the rest of the CVP/SWP water delivery infrastructure and see how it fairs.	
3 E-15, line 10 -	Delta levees showed no damage in these	If the BDCP is worried about a 23% chance of a levee failure in a 1906 event, they should be focused on the damage that would	1
18	simulations.	certainly occur to their current canals.	1
	"Levees composed of liquefiable fill are likely to		
	undergo extensive damage as a result of a	This conclusionary statement is in direct contradiction to the preceding BDCP EIR/S text. There is no support In this text for that	1
3 E-15, line 37	moderate to large earthquake in the region."	conclusion.	1

		This was a predecisional geographic constraint placed on this early investigation that precluded other alternative concepts and	
		locations from consideration. As an example, this precluded the FFTT consideration of locations above Sacramento that could have	
		been diversions for a Western Conveyance that used the Yolo Bypass and Sacramento Deep Water Ship Channel for conveyance.	
		There was no rationale for this artificial geographic constraint provided by the BDCP and therefore all of the work done on intake	
	" the FFTT was directed by the Conveyance	locations was predecisional. Consideration of intakes above Sacramento has several very favorable characteristics which were not	
	Workgroup to focus on a reach of the	considered, 1) it is upstream of the known geographic range of the smelt so the screens so the smelt would have had the ultimate	
	Sacramento River between the City of	protection level, avoidance, 2) screens could have been designed and operated to the less operationally constraining salmonid screen	
	Sacramento and Walnut Grove for locating fish	criteria (and not to the smelt criteria), 3) the American River salmonid and sturgeon populations would also have been spared	
3F-2, line 17	screen intake facilities."	exposure to these fish screens, and 4) this location is above the tidal fluctuation zone so intake operations would not have to ramp up	
		Three of the 4 recommendations were for 1,500crs intake facilities and yet the BDCP only analyzed intakes of one size for all of the	
	The intake size recommendations of the FFTT	alternatives, 3,000cts. This single size fits all approach of the BDCP to intake size non-alternatives fails to meet the test of a	
25 2 10 - 24	varied considerably from the single size facility	reasonable range of alternatives. Une size for all alternatives is not a range. The BUCP must revise the alternatives to provide a	
3F-2, line 24	The BDCP analyzed in their alternatives.	reasonable range of alternative intake sizes - see related comments.	
	Intakes should be located as far north as		
	smalt habitat. This approach also improves	Evactly, see comment on 25.2, line 17. This is why the intake location alternatives are fundamentally flawed. The EETT said it was a	
	sweening velocities at intakes as a result of	Leading, see comment on 51-2, me 51-2, me 51-3 why the intake location and matters are fundamentally nawed. The first said it was a "kay conclusion" for intakes to be located above the distribution range of the small but ware negligible from evolutions and	
3F-3 line 5	muted tidal backwater effects "	developing these concents by the predecisional of the BDCP on a constrained geographic range of consideration	
	"Although intake locations were recommended		
	to be as far north as possible they must also be	Intake location #1 is less than a mile downstream of the SRCSD so this consideration was obviously discarded. It is true that Folsom	
	sufficiently downstream from the SRCSD	releases contribute to the total flows for bypass criteria etc, but that does not preclude the consideration of intakes located above	
	discharge for water quality considerations and	that confluence, especially since a reasonable range of alternatives would have had intake locations both upstream and downstream	
	also south of the confluence of the Sacramento	of that confluence. The intake operational affects of intake locations above and below the confluence with the American River should	
3F-3, footnote	and American Rivers for flow considerations."	have been evaluated rather than predecisionally dismissed as they were.	
	"Individual points of diversion should be limited		
	to 3,000 cfs based on FFTT and VPS study	The FFTT report says no such thing. It mostly recommended intakes of 1,500cfs size. Neither study directed that only 3,000cfs intake	
3F-5, line 3	results."	sizes should be considered in developing a reasonable range of alternatives.	
	"tidal influence of downstream intake	This is true of all of the intake locations considered. Intake locations north of Sacramento would not have had this flaw - see related	
	locations could result in multiple exposures to	comments. We did not see the fish impact discussions do any quantitative analysis of multiple exposures to the fish screens the	
3F-7, line 3	the same intake with tidal reverse flows."	reverse tidal flows described in the BDCP quote. This is a serious omission of the impact analysis.	
	"intakes located downstream of the sloughs		
	and thus deeper into the tidally influenced	This is an erroneous assumption and is not a valid rationale to dismiss these intake locations. By the time water quality was impaired	
	reaches of the Delta could result in reduced	from tidal influence in this reach of the river, several water quality operational constraints farther downstream, e.g. Emmaton, would	
3F-7, line 4	water quality for diversions"	shut down diversion operations anyway.	

	"there is a potential for reduced water		
	diversions due to diversion operation sweeping	This is true, but it seems a reasonable trade off that should have been considered in exchange for 30% of the fish to not be exposed to	
	velocity constraints from increased tidal	40% of the intakes. The straight math says that is a 12% reduction in fish exposure to intakes. That is not an insubstantial gain in the	
	influence of the farther downstream intake	best kind of fish protection, avoidance. This is certainly a large enough biological benefit to have merited full consideration in a	
3F-7, line 7	locations."	reasonable range of alternatives even if there was the potential (unquantified) reduction in intake operating efficiency.	
	"including the elimination of one particular	The BDCP failed to disclose which one and for what specific conditions. If the BDCP had disclosed that, then the public would be able	
	site due to prohibitive existing features and	to evaluate and comment on if the BDCP proposed locations also had those same conditions or not. The revised EIR/S must disclose	
3F-7, line 32	conditions."	this information.	
		This is another good reason that an alternative with downstream intakes should have been considered. The BCDP failed to provide a	
	"Locating two intakes downstream would also	reasonable range of intake location alternatives that include configurations that allowed for more fish resting time and refuge	
	lengthen the distance the intakes are spread	between intake locations. The comparative analysis would have provided some quantification of the benefits to fish survival rates of	
	along the Sacramento River, providing increased	the additional resting times between fish screen exposures, but the artificially constrained range of alternatives prohibited this	
3F-8, line 1	refuge areas between structures"	outcome of the alternatives analysis.	
		The BDCP had bathymetry available, but did not use it to do 2D or 3D modeling of water velocities at the intake screen face to	
		determine approach and sweeping velocities. The BDCP used this data and modeling to compare between intake types, but not the	
	"the DWR engineering team obtained	operations required at each intake site to ensure compliance with fish screen operating criteria. This is a significant failure by the	
	bathymetric data for the entire river reach and	BDCP to utilize the readily available information and to apply the best available science. All recently approved fish screen construction	
	began evaluating the proposed site locations for	projects have conducted this kind of modeling and analysis in their environmental reviews. the BDCP must not be issued take or	
3F-9, line 29	appropriate river geometry,"	construction related permits for the intakes due to the failure to use generally accepted and best available science level of analysis.	
	These rationale are all very supportive of		
	consideration of intakes being located		
3F-9, line 26 -	downstream of the confluence of Steamboat	By the BDCP's own documentation, these intake locations should have been included in the evaluation of a reasonable range of intake	
10, line 9	Slough.	location alternatives.	
	"Locate intakes downstream of the town of		
	Freeport due to public scoping comments		
	received in March 2009 citing construction		
	impacts in an overly constrained conveyance		
	corridor, historic building conflicts, and the		
	precedent set by the Freeport Regional Water		
	Project EIR indicating that intakes in the Pocket		
3F-12, line 5	area would produce significant impacts."	These rationale do not preclude consideration of intake locations above Sacramento, but these locations were not considered.	
		I his location preference is contrary to the results from the USACE's Clarksburg Bend river cross-section fish distribution study. The	
	"Sites on or just below an outside bend in the	BUCP did not need to speculate that the depth might be deeper or shallower inside or outside of bends because it had the river	
	river are preferable. It is anticipated that these	pathymetry data available. The BDCP did not need to speculate on sweeping velocities and sedimentation if they had used the best	
	sites will be deeper, have higher sweeping flow	available science of 3D modeling of water velocities at the proposed intake locations. The BDCP failed to provide sound rationale for	
I	velocities, and be less subject to	this location preterence which is contrary to the best available published literature and failed to utilize the best available science. The	
3F-13, line 4	sedimentation."	BDCP must revisit the intake location selection process without this unnecessary and incorrect locational bias.	

	"However, the proposed operational criteria	This says the operational criteria for intake operations in tidal influenced sweeping velocities were not developed. Obviously they	
	under development by the DHCCP would have	must be developed, evaluated, disclosed and mitigated. Intake operations have talked a lot about bypass flow requirements but there	
	these lower intakes operating only during	has been no section or evaluation on how intakes would be operated to comply with fish screen criteria for approach and sweeping	
	relatively high flow periods, and they would be	velocities in an intertidal zone subject to slack and reverse flows. Obviously these operations make a difference in how much water	
	required to shut down any time sweeping	can be diverted during tidal cycles, but we can find no description, analysis or disclosure discussion on the topic of how these were	
	velocities were not meeting the minimum	integrated into the CVP/SWP operations modeling and affects analysis. A north delta intake operations model must be developed and	
	deemed to be safe for juvenile salmonids and	integrated into the CALSIM modeling as a feedback loop, just like all of the other CVP/SWP facilities have their own operating model	
3F-13, line 17	adult delta smelt."	feedback loops - see related comments.	
	"The interface between the fish screen facility		
	and the river bottom will need to be evaluated		
3F-13, line 23	to minimize impacts to sturgeon."	Yes, that must be evaluated. When is that going to happen? Certainly it must before take and construction permits can be issued.	
	"The FFTT agreed that more information was		
	needed to determine the potential effects for		
	each of the covered species from placing		
	structures below the sloughs, and		
	recommended that the EIR/EIS evaluate the		
	option to site intakes below Steamboat and	Why was this recommendation of the expert team disregarded and a reasonable range of alternative intake locations provided in the	
3F-13, line 25	Sutter Sloughs."	EIR/S?	
		This is reasonable. It is just like an air quality standard that must be adhered to during construction. The constraint is on how much	
		you can do at a time and still protect the resources. NMFS is just correctly identifying that the project should only be allowed a certain	
	"(NMFS) proposed phased construction of the	rate of take as a limit. Cost and schedule cannot be a consideration in whether or not to comply with a limitation on the rate of take	
	intakes to reduce uncertainty surrounding the	when it comes to jeopardy of endangered species. The BDCP must comply with NMFS request for phased intake construction to	
3F-14, line 23	impacts of simultaneous construction."	manage the rate of take or NMFS and FWS should not issue the take permits.	
		If the BDCP may potentially construct as a phased implementation then the analysis must be of a phased implementation. The timing,	
		duration and combination of impacts make a difference on the affects on the resources. As an example, the construction of all intakes	
		at once has a greater impact during a shorter period resulting in more mortality of single cohorts. A phased construction would have	
		lower impacts on an individual cohort, but impact more cohorts. It is possible, and should be evaluated, that the phased construction	
		would end up genetically selecting fish based on their behavior and susceptibility to construction related take such that it could	
	"The EIR/S evaluates construction of all intakes	genetically modify the population over time. These impacts were not considered or included in the BDCP impact analysis, not	
	regardless of phasing in order to support the	disclosed and not mitigated. Analyzing the impact of simultaneous construction therefore does not provide impact coverage or	
3F-14, line 35	total impact in the analysis."	disclosure for a phased construction implementation.	
	"salmonids emigrating along the main stem		
	Sacramento River would encounter some or all		
	of the intakes proposed for construction, unless	The BDCP also discussed the possibility of reconnecting the head end of Elk Slough as a restored distributary, in part to provide fish an	
	they travel downstream through the Yolo	opportunity to avoid exposure to the intake screens. Where is the disclosure of that information and what was the undisclosed	
3F-15, line 17	Bypass or Sutter and Steamboat Sloughs."	rationale for not including this as a conservation or mitigation measure?	
	"Shorter screen lengths have been desirable to		
	reduce the exposure time for fish swimming	This is why the BDCP should have included the alternative for smaller fish screens rather than all of the alternatives being a single large	
3F-15, line 19	past the front of a screen."	intake size. The BDCP must redo their intake alternatives to provide a reasonable range of sizes and analyze those in an alternative.	
	"Potential intake locations upstream of		
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	Scribner's bend were eliminated from	This is yet another argument for considering intakes upstream of Sacramento as they would avoid the sewage outfall entirely rather	
	consideration, due to the concern of proximity	than just having a thoroughly mixed outfall where the current proposed BDCP intakes are located. For this and all the previously	
	to a wastewater treatment plant located a few	identified superior site characteristics, the BDCP must include intake locations upstream of Sacramento to have a reasonable range of	
3F-15, line 22	miles upstream."	intake locations.	
	"There is also a natural gas field nearby that will	This is the EIR/S so now would have been the time to investigate, evaluate, disclose and mitigate. From this quote it is obvious that	
3F-15, line 38	need to be further examined in the process."	the EIR/S fails to do that for these resources and therefore is deficient.	
		First, these survival increases are in direct conflict with information presented on this exact topic earlier in this appendix. Second,	
		even a 6% increase in survival is not a small benefit for an endangered species that is on a population trend trajectory to extinction.	
	"overall benefits are small (0% to 6% increase	The ESA requires that all feasible measures to protect the species are implemented down to the last member of the species. These	
3F-16, line 40	in overall survival)."	benefits are clearly worth the effort and must be a component of the approved plan or it will be in conflict with the ESA.	
	"the Sacramento River facilities would be	These tidal operations of the intakes are never described, disclosed, evaluated or mitigated in the EIR/S. This is an omission of a	
3H-1, line 17	operated considering tidal variations"	critical component of the operational description and does not meet the standard of a project-level description or analysis.	
	"Sub-surface explorations are planned to		
	evaluate the foundation soils and also to		
	determine the suitability of using on-site	Without this information, earthmoving volumetrics cannot be calculated and their impacts not evaluated, disclosed or mitigated.	
3H-2, line 37	materials for embankment construction."	Without this information, this is not a project-level analysis and cannot be issued take or construction permits.	
	"Water Code section 85320, subdivision		
	(b)(2)(D), of the Delta Reform Act requires that,	The EIR/S is not CEQA compliant as it was predecisional (see related comments), biased (see related comments), did not include a	
	to be 3 eligible for incorporation into the Delta	reasonable range of alternatives (see related comments), used a No Action baseline in substitution for the No Project (which is	
	Plan, the BDCP EIR/EIS comply with the	different than the NA) (see related comments) and proposed to piece-meal the environmental affects by having integral parts of the	
	California Environmental Quality Act (Pub.	project subject to subsequent environmental analysis (not just the habitat restorations either) (see related comments). All of these	
3I-14, line 3	Resources Code, § 21000 et seq.) (CEQA),"	are in violation of CEQA and the EIR/S is not a CEQA compliant document.	
	"including a comprehensive review and		
	analysis of "the resilience and recovery of Delta	The existing CVP/SWP pumping facilities and aqueducts are part of the delta conveyance. Without these facilities delta flows cannot	
	conveyance alternatives in the event of	be conveyed. The BDCP did not evaluate earthquake risks to these facilities or include any project alternative components to address	
	catastrophic loss caused by earthquake or flood	these risks. The BDCP EIR/S clearly fails to meet this regulatory requirement and is therefore not eligible to be incorporated into the	
3I-18, line 6	or other natural disaster."	delta plan or receive state funding.	
	"Water Code section 85320, subdivision		
	(b)(2)(G) requires the BDCP to comprehensively		
	review and 16 analyze the "The potential effects		
	of each Delta conveyance alternative on Delta	The BDCP water quality analysis is deficient in many aspects - see related comments. Due to these deficiencies, the BDCP does not	
3I-22, line 16	water quality."	comply with this requirement and is not eligible to be incorporated into the delta plan or to receive state funding.	