

Appendix 6: Permitting Matrix (revised October 15, 2014 meeting and January 29, 2015 meeting)

Factor Under Consideration	Level of Priority (H-M-L)	DETAIL
Approved Use		How do we define/address “invasive” (FGC) In the Public Interest? (FGC) Do agencies agree that this is a beneficial use? (words at high level don’t trickle down always) (Applicant)
Approved Species	(CDFW.MR:H)	Looking ahead: climate ready (FGC) Hitchhiking invasive species (FGC) Risk of naturalization (CCC) Invasive? Competition with other species? (FGC) Agreed definition list “naturalized”, “introduced”, “invasive”. Problem invasive only current ok? (Applicant) Genetics of natives vs. genetics of cultured products (CDFW)
Approved Culture Methods	(CDFW.MR:H)	Existing/new methods? (CDFW) Existing/current methods in use for decades ok? (Applicant)
Monitoring	(WSP:H)	Bring outside scientific support to inform monitoring (NOAA) Climate Change implications and adaptive management (NOAA)
Practices	(HBHD:H)	What are best management practices? (CDFW) List of approved methods, thresholds for area (Applicant) Use culture practices that avoid or minimize effects on protected species (NOAA) Flow use of antibiotics, nutrients loading, toxicity others? (?) Need description of proposed practices (USACE)
Clean up/abandonment		Compliance, enforcement (CDFW) Wildlife and/or habitat disturbance? Marine debris? Material spills? (???)

Factor Under Consideration	Level of Priority (H-M-L)	DETAIL
		Mitigation options, restoration opportunities (NOAA)
Siting (Location)	(WSP:H) (PCSGA: H) (CDFW.MR:H) (SCC: H) (USACE: H)	Ownership (?) User conflicts? (FGC) Direct/indirect impacts to site and adjacent property (USACE) Which sites are known (experience) to not have negative effects (Applicant)
Land Use Conflicts		Impacts to fishing (commercial and recreational), aesthetic impacts (CCC)
Title	(HBHD:H)	
Habitat Conflicts	(CCC:H) (NOAAF: H) (PCSGA: H) (USACE: H)	Marine Mammal use areas (CCC) Links to ESA/CESA species interactions and habitat requirements (NOAA) Bird and fish conflicts (CDFW)
Eel Grass	(CCC:H) (NOAAF: H) (HBHD:H)	Avoid Impact (FGC & CDFW) Shading? Temporary disturbance? Removal? Turbidity? (CCC) Water quality impacts/effects, ecosystem benefits (NOAA) If you can't avoid impacts, mitigate impacts to eelgrass function (?) Look at ecosystem level, not localized effects; positive impacts of shellfish acknowledged (Applicant)
Rocky Bottom	(NOAAF: H)	Rocky Bottom
Marine Mammals & Turtles	(CCC:H) (NOAAF: H) (HBHD:H)	

Factor Under Consideration	Level of Priority (H-M-L)	DETAIL
Wetlands Protection	(CDFW.MR:H) (USACE: H) (CDFW.MR:H)	How will impacts be minimized/ avoided? (USACE) Value of un-vegetated mudflats (CDFW)
Navigation		Current/historic use of area (USACE)
CEQA Appendix G		Changes in baseline conditions (CDFW)
Biological Resources		Creation of habitat for invasive species, sensitive species, entrainment and/or impingement (CCC) Species specific habitat requirements of species Habitat features (NOAA) Positive impacts of culture acknowledged (Applicants)
Water Quality		Water quality Impacts due to: practices, use of antibiotics, nutrient loading (USACE) Impacts, beneficial effects (NOAA) CA Dept. of Public Health says area is ok, positive impacts acknowledged (Applicant)
ESA/CESA	(CCC:H) (NOAAF: H) (PCSGA:H) (CDFW.MR:H) (SCC:H) (USACE: H)	What species are in the area/how will this be impacted/avoided? (USACE, Applicant)
Aesthetics		Block coastal views? Aesthetic resource area? Existing visual character? (CCC)
Noise		Wildlife disturbance (CCC)

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Recreation		Recreational fishing? Closure of coastal access? (CCC)
User Conflicts & Access		Offsite Impacts Industry (?)
Fishing—commercial and Recreational		Avoid user conflicts? (FGC, CDFW)
Full/structure		Quantify impacts both permanent and temporary (USACE)
Structure's habitat value		What are the trade-offs? (CDFW) Value of created habitat, positive impacts considered? (Applicant) Include beneficial effects and impacts of structures (NOAA)
Carrying Capacity		Existing uses? Carrying capacity? (CCC) Impacts to native species or habitat (CCC) What on the system sustain? (CDFW)

Appendix 7: CSI Draft Permitting Road Map (kickoff meeting, October 2014)

Regulatory Pathway - environmental and permit review

