

South Coast Watersheds - Other Action Items

South Coast Watersheds - Limiting Factors Matrix -- July 2006

Known limiting factor, high priority				Suspected limiting factor			Not a likely limiting factor			Unrated, need more info					
	Estuary	Wetland	Migration Barriers	Water Quality	Water Quantity	Channel Modification	Hydrologic Function	Riparian Shade	Large Wood (Potl & Stored)	Sediment (Potl & Stored)	Noxious Weeds	High Quality areas to Protect	Education/ Outreach Focus	Education/ Outreach Focus	Other Monitor-ing
New River	Beach grass and breaching complicate water exchange	Need assessment of high value wetlands	No known barriers in Morton, Butte, Bethel	High Temp; suspect nutrients from Croft Lake	Irrigation withdrawals unknown on ranch and farm lands	Straight-ened, loss of beaver, effects of breach	Periodically bar-bound	Potential shade inc on Morton, Langlois, Butte	Tribs lacking wood to help store sediment	Suspected upland sources; investigate Morton & Bethel	Aquatic weeds, Reed Canary Grass	High value wetlands	Benefits of beaver for coho habitat	Water quality benefits to multiple species (fish, waterfowl, livestock, etc)	Monitor effects of periodic breaching
Floras Creek	see New River	Field check function. Restore potl veg & water connection	Investigate barriers in upper watershed	High Temp, Sediment & nutrients. Constructed wetlands to treat runoff.	Instream rights not met. Opportunities w/ 80% of rights junior to instream.	Channel straightened & armored, loss of beaver, assessment incomplete	ID critical rds, ditches, floodplains, wetlands. Restore wetland/ floodplain Willow Ck	Willow Ck critical to cool mainstem. Hi potl incr on Willow, N Fk & riparian silv	Willow Ck, wood for sed storage & fish habitat	Earthflows, rd drainage in Willow, N, E & W Forks, U. Mainstem; potl in M mainstem	Aquatic weeds in Floras Lake (see new WQMP)	South Fork mature riparian forests for shade and large wood values	Landowners of large ranches (500 acres +)	Benefits of beaver. "Live and let live"	Stream Surveys for instream and riparian conditions on mainstem & large tribs
Sixes River	Reduce nutrient inputs from ranches	High value wetlands in lower watershed (Brophy Report)	Unknown in upper watershed	High Temp, Sediment & nutrients. Mercury reports	Instream rights not met: Crystal Edson, opportunities inc cranberries	Lack of off-channel habitat, esp below 101	Unknown potl for improved connection of lwr mainstem to floodplain	Some potential for lower mainstem; also Crystal Creek	Most tribs and mainstem lack adequate large wood	Potl in Big/Otter, Dry Ck, Elephant Rock & N Fk. Stored: ch widening	Gorse; blackberries; Japanese knotweed	Wetlands & complex estuary; mature riparian forests on pvt land	Water quality, sediment & roads, range & forage mgmt (upper Sixes	Small woodland, large ranch & cranberry farms	Channel stability in relation to reveg & sed reduction sites
Elk River	Unknown if fishing pressure at mouth impacts fish	Improve lwr mainstem wetlands (inc. Van Loo), Bagley Ck	Bagley Creek; Blackberry Creek (FS)	Excellent WQ, but high temp. Effects of agriculture & hatchery unknown	Instream water right usually met	Assessment not complete, some straightening	Reconnect floodplain in lower mainstem; multiple ranches	Lower mainstem planting & riparian silv, off-channel water	L. mainstem tribs: Indian, Bagley & Chapman. Side-channel jams	Potl on steep slopes, hi amts stored from granitic rocks	Gorse & Himalayan blackberry, need prioritized control plan	Floodplains, lower cool water tribs, intact wetlands Copper/Salmon area	Relations among beaver, wetlands, floodplains, large wood function, coho habitat	Promote bio-engineering alternatives to rock for bank stabilization	Support stream flow gage, pvt land habitat surveys. Gorse survey
Port Orford Watersheds	Garrison Lagoon, see WQ. Hubbard & Brush OK	Assess wetlands & riparian areas abv Garrison Lake & along Hubbard Ck	N. Fork Hubbard reservoir; Brush Ck bypass; Mill Crk	Lake (anoxia, stormwater, septic). Reservoir cool water intake.	Drinking water issues for city	Brush Ck along Hwy 101, Hubbard dam, assessment incomplete	Increased peak flow to Garrison from urban area	Unknown if there are opportunities for inc shade	Hubbard Creek lacks wood. Mill Crk potential?	Potl from Beartrap Ck on steep granitics. Potl sed in drinking water	Gorse in municipal watershed; Aquatic weeds (?) in Garrison Lk	Five miles of responsive channels	Community water conservation Hubbard drinking water WS forestry plan.	Garrison Lake Restoration Committee. Humbug Mtn State Park interp	Garrison aquatic plants. Brush Creek fish populations in response to restoration

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Euchre Creek	Small estuary. Effects of Highway 101	Isolated from channel by levee and Hwy 101. Field check function	Several barriers clustered in Cedar Creek	No DEQ WQ sampling Effects of agriculture & rural res unknown	Instream rights are rarely met. Opportunites in Cedar Ck	Cedar Ck straightened assessment not complete	Modified below Boulder Cr- explore off-channel rearing?	Lower mainstem & Cedar Ck: plant, riparian silv, off-channel water	Potl - few stands in mature/ high reprod. Add to mainstem & Cedar	Potl: L Euchre & Cedar. Stored deposits on mainstem	Weed control needs?	Lower mainstem and Cedar Creek, inc estuary & wetlands. Mature riparian forests.	Citizen involvement in water quality, protect riparian veg	Rural residential wells and springs nr septic	Sediment sensitive reaches, monitor for recovery
Hunter Creek	Expand small size, Increase complexity Limit addl fill	Consider acquiring ODOT wetlands adjacent to estuary	No known barriers	High Temp. Rural residential effects on nutrients	Subsurface flow due to high sed load. Influence of wells & springs?	Gravel extraction, road fords. Other assessment incomplete.	Rural residential protected with rip-rap	Mainstem & Big South Fk reaches w/ potl increase: plant, riparian silv, off-channel water	Riparian silv to promote wood. ID reaches needing sed storage	Potl in Big South Fork, L & M mainstem. Assess roads on earthflows	Minor -- some invasives	Estuary, mature & high reprod riparian forest on mainstem, upper ws wetlands inc Hunter Ck bog	Citizen involvement in water quality, protect riparian veg	Rural residential wells near failing septic tanks -- 50 need replacing	Watershed sediment budget, channel morphology
Pistol River	Extended estuary migrates north and south	Field check function. Restore potl veg & water connection, esp Crook Ck, oxbows	No known barriers	High Temp, low diss oxygen. Biochem oxygen demand highest.	Opportunities from large ranches??	Hwy 101 xing straightened assessment not complete	Rip-rap on ag lands	ID reaches w/ potl increase: plant, riparian silv, off-channel water	Riparian silv to promote wood. ID reaches needing sed storage	Potl & stored in Glade & Deep Area, L. mainstem, South Fork	Minor issue -- not limiting	Riparian areas. Lower three miles including wetlands	Bandon Biota partnership	Salmon watch site on Deep Creek -- partnership w/ S.Coast Lumber	Channel stability in relation to riparian planting & sed reduction
Chetco River	Restore connectivity, flood control levees	Field check function	Tuttle Crk; Mtn Home Crk; others ?	Boat basin aerators for DO. Estuary sampling to ID limiting factors	Instream right usually met. Municipal growth & conservation	Gravel extraction, assessment not complete	Urban/rural runoff causing flooding, potl effects on WQ	Potl increase in L. N Fk & tribs to coastal mainstem	Opportunity on North Fork Chetco	Potl on most pvt lands. Historic channel widening	Isolated patches of gorse a concern	Highly responsive/ sensitive reaches	Citizen involvement in WQ, protect riparian veg. Salmon Run ws health	Rural residential wells & springs nr septic. Water cons	Bedload sediment sources & transport. Stability of stored sed
Winchuck River	Continue finding opps to expand & restore complexity	Field check function	Numerous barriers to be addressed	WQ effects of agriculture on bacteria, nutrients, & algae unknown	Instream right usually met. Rural-residential growth & conservation	Assess-ment not complete	Explore constructed wetlands in critical runoff areas: rural - residential & ag lands	Encourage off-channel water, mainstem has potential to increase shade	ID sites for sediment stabilization and habitat	Potl on Deer Ck, South Fk, & Bear Ck. Stored: Wheeler Ck slide	Minor	Riparian easements; estuary	Citizen involvement in WQ, protect riparian veg, offer stewardship awards.	Develop partnership with Simpson Timber on South Fork	Stream surveys for instream & riparian conditions. Interp USFS survey data