Marin County Flood C Sediment Removal Si	ontrol-Stream Maint es	tenance Program																											Original Geomorphic Codes (201)	
6/11/2021				Site D	Description					Project L	Dimensions (LXV	wxH)	Work Days	Project Description		Equipment Loc	cation During Sediment Removal			Heavy	quipment Access and	Staging Tem	orary Stockpiling Loca	ations			1	2 3	4 5 6	7 8 9	
				Included in	ACDE BCDC Included in Permit Permit Municipa	Tidal	Coffer Dam / Diversion Stream		Length of Vegetation / Segments	Dep	pth Width	D.	Pipe Siameter		Frequency of		Adjacent Top of Creek Roadway or Pull-				From roadway, parking lot, or pull-outs - no	Across off-road area - no veg to trimming/remov	On roadway, parking lot, or n pull-outs - no n	On off- road area - no veg to		Sediment Sedimi Issue Issue	nt Urban/Wildla	Engineere Tidal d silt	Road Reduction Channel crossing Channel cross	Sediment Bar Debris or aggradati grading/low vegetation on at flow channe	Site is located within an alluvial depositional zone (sudden reduction in channel gradient). Human activity (watershed development, channel confinement, etc.) has caused the site to shift from a transport zone to a
Zone Site # ZONE 1	Watershed	Site Name in SMP	Location Description	RWQCB ORDER	R DFW RMA Needed Needed Jurisdictio	n Channel Type (Yes/No)	(Yes/No) Class cod	north coast	Habitat Types (Feet) Dry stream bed	Total LF (Fe	et) (Feet)	Area FT* ((Inches) Min Max	Work Description & Methods of Operat Remove 140 CY of sediment from 40-45 channel. Work performed with equipment	t of	Long-reach Excavator,	Bank out	In-channel Boat	t or pier Top	p of levee Hand Method	veg to remove	remove al to get in	veg to remove	U	Chronic Sediment Notes	stabilizati on US	y nd interface	backwater basin	width gradient section	obstruction outlet maintenance	depositional zone.
1 1-AA-2 1 1-ASI-2	Arroyo Avichi - Novato Arroyo San Jose-Novato	Arroyo Avichi Arroyo San Jose	Arroyo Avichi; end of Taft Ct. Arroyo San Jose crossing at Ignacio Blvd bridge	Yes	Yes No Yes Yes	Natural No Concrete Engineered Flood Control No	No 1 No 2	riparian north coast riparian	gravel 40 - 45 Stream bed gravel with cattails 90	42 4 90 4	4 15 4 15	600 1350	N/A 3 5 N/A 3 5	on roadway and in the channel. and cattails from 90 ft of channel and silt basin just US of Ignacio Blvd crossing.	Every 3 to 5 years	s Loader, Hauler Crane, BobCat, s Hauler	x x x x	x			x	x x		ps U Hig	ssible bank stabilization issues; not frequent; 2015 pper watershed erosion on lands not owned by FC h flow channel; trash rack sometimes diverts water	Yes Low NWP may		x	x	X	
1 1-BB-1 Site Remove from Sedime	Arroyo Avichi -Novato	Arroyo Avichi - Bypass to Baccaglio	Arroyo Avichi bypass to Baccaglio Basin Lynwood Basin at Lynwood Pump Station; 70 LF, 4 ft. deep,	Yes	Yes No	Natural No	No 1	diked baylands	Stream bed gravel only 30 Stormwater basin	30 4	4 10	300	N/A 1 2	Remove accumulated sediment from byp channel. Remove sediment from 70 ft of channel from pump station into pond. Equipment	Every 3 to 5 years	Long-reach Excavator, Hauler	x				x	x			hru; maybe NWP can identify changes. Sediment emoval at this site should be monitored after the	propose alternative Low			x		
1 List 2021 1-L 1 1-NMWD-1	Upper Novato	Lynwood Slough North Marin Water District	70 ft. wide Novato Creek at Grassi Ranch DS of Stafford Lake NMWD lands near Indian Valley	Yes	Yes No Yes No	No No No	No 1	north coast riparian north coast	with cattails 70 Dry streambed; no vegetation 400 Dry streambed; no	400 2	4 70 2 15	1400 6000	1 1 3 N/A 2 3	staged on top of levee. Remove sediment from sediment trap or Novato Creek US of Stafford Lake Remove sediment from sediment trap or	Every 4 years Every 1 - 3 years	Excavator, Hauler Long-reach Excavator, Long-reach		x		x		x		x		Yes fills i Mediu	n; x		x x		
1 1-RUSH Site Remove	Rush Creek	Rush Creek at Golden Gate Pl	N of Olive Ave, end of Railroad Ave to Caltrans ROW	Yes	Yes Yes Yes City of Nova	Earthen Engineered Flood to Control YES	NO 3	salt marsh	Caltrans Tidal Riparian ROW 400	600 3	3 10	6000	3 5	US HWY 101 ROW and 280R DS Binford including (2) Culverts Outfall	Rd 3 - 5 years	Long Reach Excavator, Hauler	x	x			x		x	wit	h CalTrans. Removing sediment at the Flood Control asement would not be effective unless there is a	fills i No after	x	x		x x	
from Sedime List 2021 1 RUSH-2 Site Remove	Rush Creek	CalTrans ROW US of Binford	Rush Creek CalTrans ROW	Yes	Yes Yes and Caltra	to Earthen Engineered Flood IS Control					_																				
from Sedime List 2021 1: RUSH-3 Site Remove	Rush Creek	ditch into CalTrans ROW	Rush Creek CalTrans ditch along 101	Yes	Yes Yes and Caltra	to Earthen Engineered Flood s Control								Remove sediment to promote positive fit	w																
1 SIMM	Simmons Slough	Simmons Slough	Simmons Slough at Pump Station Vineyard Creek at Center Road	No	Yes Yes	Earthen Engineered Hood Control No Earthen Engineered Hood	No 3	north coast riparian north coast	2880; north coast riparian 2000 Streambed; no	4800 4	4 25	750	N/A 5 7	Creek Levee and perpendicular levee Scru Gate to Sanitary District PS. Mini-Skid Steer Track Loader (refer to recomprise member member) and	W Every 1 - 3 years	Long-reach Excavator, Hauler Hand Removal,	×			x	×	x		х	ere y over ground and a second	Yes Low		x		x	
ZONE 3 3 3-BM	Unnamed Creek - Richardson Bay	Bothin Marsh - Unnamed Trib	Bothin Marsh; Blithedale Ave. at b Roque Morales Dr.	Yes	Yes Yes Yes	Natural Yes	Yes 1	salt marsh	pickleweed, cordgrass, SF 175	175 3	3 20 - 30	4375	N/A 1 2	below outfall. Average depth of excavatio 3 feet. A long Project Area excavator or a	n is Every 3 years	Long-reach Excavator, Hauler	x x				x	x	x	x	Since removing sediment at the Flood Control Easement would not be effective.	Yes Low	x				
3 3-COY-2	Coyote Creek	Coyote Creek	Coyote Creek DS of Laurel Way. to DS of Ross Dr.	Yes	Yes Yes	Concrete Engineered Flood Control Yes	Yes 3	north coast riparian	Concrete bottom no emergent vegetation present 1325 Concrete bottom no	1,325 6	6 16	21200	N/A 2 4	of concrete channel. Lower equipment (e small loader) into channel to push mater to DS end where an excavator will be pla of concrete channel. Lower equipment (e	8-, al ed Every 3 years	Long-reach Excavator, Loader, Hauler	x	x		x	x	x x	x	x	20 year Q, model shows it overtops at <20; ACOE uires FC to maintain 1ft. Freeboard on design event 20Q) goal is to remove US sediments in concrete 20 year Q. model shows it overtoos at <20: ACOE	Yes Low	x			x	
3 3-COY-3 Site Remove	Coyote Creek	Coyote Creek	Coyote Creek from US of Ash St.to Laurel Way. Coyote Creek between Pineo	Yes	Yes Yes	Concrete Engineered Flood Control No	Yes 3	north coast riparian	emergent vegetation present 1365	1,365 6	6 16	21840	N/A 2 4	small loader) into channel to push mater to DS end where an excavator will be pla section of earthen channel immediately i of storem drain size init lension to Coust	al Red Every 3 years	Excavator, Loader, Hauler	x	x		x	x	x x	x	x	uires FC to maintain 1ft. Freeboard on design event 200].goal is to remove US sediments in concrete	Yes Low				x	
List 2021 3-0 3 4 Site Remove	Coyote Creek	Cayote Creek	225 ft west of intersection with Maple St. behind 503 Pineo Ave (between Pineo Ave, and Marin Ave 1	Yes	Yes No	Earthen Engineered Flood Control No	No 3	north coast riparian	Open water - no 20 vegetation N/A	20 N/	4 5 · 10 /A N/A	240 1	60 RCP w/HW 1 1	Creek open concrete channel. Work performed by hand methods. section of earthen channel immediately to of storm drain nice inlet (84" BCP with	Annually	Hand Removal, Hauler				x	x			u	pper watershed erosion on lands not owned by FC	Yes Low	x			x	
List 2021 3-0 3 5	Coyote Creek	Coyote Creek	approximately 135 ft west of Maple St.) Crest Marin Creek DS of Ross Dr	Yes	Yes No	Earthen Engineered Flood Control No Earthen Engineered Flood	No 3	north coast riparian	Open water with cattails 450 cattails, watercress	450 5	-8 3-6	1800	N/A 1 1	headwall) leading to Coyote Creek open concrete channel. Work performed by ha section of earthen channel by hand meth	nd Annually	Excavator, Hand Removal Hauler Excavator, Hand	x			x	x			U	oper watershed erosion on lands not owned by FC	Yes Low	x			x	
3 3-CRE-2	Crest Marin Creek	Crest Marin Creek	Crest Marin Creek at end of Laurel Way in Tamalpais Valley.	Yes	Yes No	Concrete Engineered Flood Control No	No 3	north coast riparian	Open water - no vegetation 10 - 15	25 4	4 20-25	300	N/A 1 2	Remove accumulated sediment at sedim basin. Work performed from top of bank using excavation equipment.	Annually	Long-reach Excavator, Hauler	x			Â	x		x	υp	per watershed erosion; sediments captured at basin before entering concrete channel.	Yes Media	n x	x			
3 3-MIL-1	Richardson Bay	Miller Ave. (north outfalls - 2 sedir sites)	Miller Ave drainage; Immediately south of intersection of Miller Ave and Camino Alto.	Yes	Yes Yes Yes	Concrete Engineered Flood Control Yes	No 3	salt marsh	open water; tidal regime with cordgrass at pipe 90; 300; outfall 30	420 4-	-8 6	2880	N/A 8 N/A 2 3	running south from intersection of Camir Alto with Miller Ave. 2) double box culve under Miller Ave. 3) from DS earthen out at the slough that is tributary to the tidal	o ts all Every 3 years	Long-reach Excavator, Loader, Hauler, Vactor	x	x			x	x	x		Sediment from tidal action	Yes Media	n	x			
3 3-MIL-2	Richardson Bay	Miller Ave. (south outfalls)	Miller Ave across from Tamalpais High School; just south of Miller Ave - North Ave. sediment removal site.	Yes	Yes Yes Yes	Earthen Engineered Flood Control Yes	No 3	salt marsh	Cordgrass at pipe outfall 30	30 4.	· 6 10 · 15	360	N/A 1 1	Remove accumulated sediment from 30 of channel DS of one outfall.	eet Every 3 years	Long-reach Excavator, Loader, Hauler	x				x		x		Sediment from tidal action	Yes Low		x			
3 3-MIL-3	Richardson Bay	Almonte Bothin Marsh	Tamalpais High School track between Miller Ave. and open Nyhan Creek near the intersection of Enterprise	Yes	Yes Yes Yes	Earthen Engineered Flood Control Yes Earthen Engineered Flood	No 3	salt marsh	750 Native Cordgrass 20 Dry stream bed - no	3 - 793 N/	-5 4-8 /A N/A	4500 1	N/A 18 HDPE 2 3	ft of tidal channel and two culverts betw and parallel to Miller Ave. and a multi-us Remove sediment from an approximately 140 ft section of creek approximately 10	en Every 3 years	Long-reach Excavator, Hauler Long-reach	x x				x	x	x	x	Sediment from tidal action	Yes Low		x			
3 3-NYH-1 3 3-NYH-2	Creek - Richardson Bay Coyote Creek - Richardson Bay	r Nyhan Creek mainstem Nyhan Creek West Fork	Concourse with Tennessee Valley Nyhan Creek behind Tamalpais Valley Elementary School.	Yes	Yes No Yes Yes No	Control Yes Concrete Engineered Flood Control No Control No	No 2 No 3	riparian north coast riparian	concrete channel - open water 400 - 500	140 450 2	10 2 4 - 5	1400 2025	N/A 1 2 N/A 1 1	feet DS and 40 feet US of Enterprise section of concrete lined channel. The material will be moved by hand methods	Annually to Every 3 years	Excavator, Hauler Excavator, Loader, Hauler	x x	x		x	x	x	x	x	settling in low gradient reach	Yes Low Yes Low			x x		
3 3-REED-1	Richardson Bay	Reed Creek	Reed Creek; DS of Miller Ave. Ryan Creek; west side of Camino Alto, north of intersection with	Yes	Yes Yes Yes	Earthen Engineered Hood Control Yes Earthen Engineered Hood	likely 3	salt marsh	vegetation 160 primarily cordgrass. Tidal influence is 100 controlled by tida 350	160 5	5 5-10	1120	48 2 3	approximately and mean reet of earliest channels D5 of Miller Ave. Work perform at a D5 pump station is closed, thereby eliminating tidal influence. Sediment security tidal influence.	ed Every 3 years	Hauler, Vactor Long-reach Excavator,	x x				x	x	x	x	gradient reach	Yes Media	n	v l	x	x	
3 3-SUT-1	Sutton Manor Creek - Richardson Bay	Sutton Manor Creek	Sutton Manor at Roque Morales Dr., immediately south of the intersection with Bilthedale Ave.	Yes	Yes Yes Yes	Earthen Engineered Flood Control Yes	Yes 3	salt marsh	Tidal habitat – pickleweed, cordgrass, SF 100 170	270 4	-6 20	3210	48 N/A 1 2	Remove accumulated sediment from 1) of Roque Morales Dr. crossing 2) culvert under Roque Mores Dr. and 3) excavate showing Win de remove man use earlier showing for a futble for	Every 3 years	Long-reach Excavator, Hauler, Vactor	x x				x	x	x	x	Sediment from tidal action	Yes Low		x			
3 3-SUT-2 3 3-SUT-3	Richardson Bay Sutton Manor Creek - Richardson Bay	Sutton Manor Creek Sutton Manor Creek	Morales US to Ashford Ave. Sutton Manor from Ashford Ave. US to Dorset Ln.	Yes Yes	Yes Yes Yes	Eartheal Eignieered Hood Control Yes Earthea Engineered Flood Control Yes	Yes 3 Yes 3	salt marsh grassland	cordgrass, SF 600 pickleweed, cordgrass, SF 100 225	600 5 - 325 5 -	· 6 10	6000 2250	N/A 2 3 48 N/A 2 3	earthen channel US of Ashford Ave. Crossing for length of 600 feet using equipment place earthen channel US of Ashford Ave. cross and culvert under E. Blithedale Ave. Smal	d Every 3 years ing Every 3 years	Excavator, Loader, Hauler Excavator, Loader, Hauler,	x x x x	x			x	x x x x	x x	x	Sediment from tidal action	Yes Low Yes Low		x			
3 3-SUT-4 3 3-SUT-5	Sutton Manor Creek - Richardson Bay Sutton Manor Creek - Richardson Bay	Sutton Manor Creek Sutton Manor Creek	Sutton Manor from Dorset Ln. U: to Shell Rd ditch. Shell Rd ditch; below and parallel to Shell Rd.	Yes Yes	Yes No	Flood Control No Concrete Engineered Flood Control No Flood Control No	Yes 3 Yes 3	grassland grassland	vegetation 375 Dry stream bed with limited cattails 1600	375 4 · 1,600 4 ·	·5 4.5 · 15	3750 16000	N/A 2 3	Concrete channel up to the sheel Kd dicc Small loaders will be placed in the concre Clean approximately 1,600 linear feet of concrete channel parallel to Shell Rd.	Every 3 years	Excavator, Loader, Hauler Long-reach Excavator,	x x x x	x			x	x x x x	x	x	Low gradient artificial channel network	Yes Low Yes Low			x	x	
4 4+EAST-2 Site Remove from Sedime	East Creek- Richardson Bay Strawberry Ditch-	East Creek	East Creek DS of Cecilia Way; ditch from Cecilia Way US to Strawberry Circle ditch by	Yes	Yes Yes	Earthen Engineered Flood Control No Earthen Engineered Flood	No 3	Non Natives and north coast	Cattails 750	750 3	3 2-9	3750	N/A 1 2	Remove accumulated sediment from DS of Cecilia Way crossing within road ROW of channel near Strawberry Orcle Pump Station, Excavator will be stated from th	ide Every 3 years	Long-reach Excavator, Hauler	x x				x	x x		Se	diment deposits at inlet; cattails (not owned by FC); network of privately made ditches with varying	Yes Low			x		
4 List 2021 4-S 4 4-WEST-1 4 4-WEST-2	R Richardson Bay Bay Bay	Strawberry Circle Ditch and leve West Creek West Creek	ee Strawberry Pump Station; Pump Station West Creek DS of Cecilia Way.	Yes Yes Yes	NO No Yes Yes Yes NO	Control No Control Yes Control No	No 3 No 3 No 3	6960 tidal to non Non Natives	water 300 Cordgrass 100 emergent veg 10	100 6 10 4	2-3 2-8 6 5-8 4 6	1500 650 60	N/A 1 2 N/A 1 2 N/A 1 1	top of the levee. Work will be performed of channel US of Pamela Court Pump Stal side of Cecilia Way crossing within road	at Every 5 years ion. Every 3 years Every 3 years	Excavator, Hauler Excavator End Loader,	x x			x x	x x	x	x		Sediment from tidal action\	Yes Low Yes Media	n	x	x	X	
Site Remove from Sedime List 2021 5-E	d It S- Faskoot Creek	Facknot Creek	Easkoot Creek; Calle del Arroyo intersection with Shoreline Hietway	Ves	NO YES	Earthen Engineered Flood	No		Tidal - streambed	50 2	.3 10	400	N/A 1 1	Remove accumulated sediment between ft US and 25 ft DS of bridge crossing. Wo performed from top of bank using evcavation equipment	25 k Annually if preded	Long-reach Furavator Hauler	x X				x		x	ų	oper watershed erosion on lands not owned by FC; sediment deposited in low gradient DS reach of Facknot C treek	sediment removal at sediment tran on Media	n		¥ I	x	
Site Remove from Sedime List 2021 5-E	1 It IS Faskoot Creek	Facknot Creek	Easkoot Creek; Calle del Onda intersection with Shoreline Hietway	Ves	NO Yes	Earthen Engineered Rood	No		Tidal - streambed	50 2	.3 10	400	N/A 1 1	Remove accumulated sediment between ft US and 25 ft DS of bridge crossing. Wo performed from top of bank using excavation exvioument	25 k Annually if peeded	Long-reach	x x				x		x	ų	aper watershed erosion on lands not owned by FC; sediment deposited in low gradient DS reach of Eastwort Creek	sediment removal at sediment tran on Media	n		¥	x	
Site Remove from Sedime List 2021 S EAS-10	t Easkoot Creek	Easkoot Creek	Easkoot Creek; Calle del Sierra Intersection with Shoreline Highway.	Yes	NO Yes	Earthen Engineered Flood Control Yes	No		Tidal - streambed gravel 40	50 2.	-4 10	400	N/A 1 1	Remove accumulated sediment between ft US and 25 ft DS of bridge crossing. Wo performed from top of bank using excavation equipment.	25 k Annually if needed	Long-reach Excavator, Hauler	xx				x		x	U	oper watershed erosion on lands not owned by FC; sediment deposited in low gradient DS reach of Easkoot Creek	sediment removal at sediment trap on Media	n		x	x	
Site Remove from Sedime List 2021 5-E 5 1d	f It Easkoot Creek	Easkoot Creek	Easkoot Creek; Calle del Pradero Intersection with Shoreline Highway.	Yes	NO Yes	Earthen Engineered Flood Control Yes	No		Tidal - streambed gravel 40	50 3	3 10	400	N/A 1 1	Remove accumulated sediment between ft US and 25 ft DS of bridge crossing. Wo performed from top of bank using excavation equipment.	25 k Annually if needed	Long-reach Excavator, Hauler	x x				x		x	U	oper watershed erosion on lands not owned by FC; sediment deposited in low gradient DS reach of Easkoot Creek	Yes but sediment removal at sediment Media	n		x	x	
Site Remove from Sedime List 2021 5-E 5 le	s tt Easkoot Creek	Easkoot Creek	Easkoot Creek; Calle del Pinos intersection with Shoreline Highway.	Yes	ND Yes	Earthen Engineered Flood Control Yes	No		Tidal - streambed gravel 40	50 3	3 10	400	N/A 1 1	Remove accumulated sediment between ft US and 25 ft DS of bridge crossing. Wo performed from top of bank using excavation equipment.	25 k Annually if needed	Long-reach Excavator, Hauler	x x				x		x	ų	oper watershed erosion on lands not owned by FC; sediment deposited in low gradient DS reach of Easkoot Creek	sediment removal at sediment trap on Medic	n		x	x	
5 5+EAS-2	Easkoot Creek	Easkoot Creek	creek floodplain on NPS land adjacent to NPS parking lot behind the Parkside Café Easkoot Creek; Arenal Rd. east of	Yes	NO Yes	Earthen Engineered Flood Control No Earthen Un-Engineered			None - streambed gravel 150 None - streambed	150 3	3 10	1500	N/A 1 2	Remove accumulated sediment from engineered basin. Work from top of bank and access ramp using long range excava ft US and 150 ft DS of bridge crossing. W	tor. Annually ork Annually if	Long-reach Excavator, Hauler Long-reach	x x				x			U	sper watershed erosion on lands not owned by FC; sediment deposited in low gradient DS reach of Easkoot Creek sediment deposited in low gradient DS reach of	Yes Media sediment	n	x	x		
5 5-EAS-3 Zone 7 Site Remove from Sed	Easkoot Creek	Easkoot Creek	Castro Ditch between Vendela D	Yes	NO Yes	Flood Control No	No		gravel 20	20 7	7 10	200	N/A 1 1	performed from top of bank using trapezoidal ditch using hand methods. En stretch is approximately 1300 ft love. he	needed	Excavator, Hauler Hand Removal	X X				X				Easkoot Creek	removal at Media	n		x	×	
7 List 2021 7-C Site Remove from Sedime	IS Pablo Bay I Gallinas Creek - San	Castro Ditch	and Rafael Way. 4 to Pump Station No. 5 (E. Vendola Dr. north of its intersection with Adrian Way to	Yes	Yes No	Control No Earthen Engineered Flood Control No	No 3	grassland diked baylands	grasses 1300 grass and non- native annual grasses 2885	2885 2	<u>4 4-10</u>	9100	N/A 1 1	annual work will be spot areas along that emergent vegetation from approximately 3,000 ft channel extending from Pump Station No. 4 to Pump Station No. 5	Annually Every 3 years	Hauler Long-reach Evravator Hauler				X	x			x	Local drainage and sediment deposition	Yes Low 2 ballot measures for High		x	x		
Site Remove from Sedime List 2021 7-L	d tt IP Gallinas Creek - San Pablo Bay	La Pasada Interrentor outfall	La Pasada Interceptor outlet; La Pasada Way intersection with Vendola Dr	Ves	Ves Ves	Earthen Engineered Flood	Yes 3	salt march	270 Conference at outfall	285 5 I	VA 15	4775	48 CMP 5 30	Remove accumulated sediment from up 270 ft section of pipe and accumulated sediment within 15 feet of outfall in Gall Creek Pipe will be cleaned with Vactor	o nas	Varter			x I		x	x	x	x	Sediment from tidal artisp	Yes Media	n	x		x	
Site Remove from Sedime List 2021 7-L	i tt P Gallinas Creek - San Pablo Bay	La Pasada Interceptor storm drain	La Pasada Interceptor inlet; La Pasada Way intersection with N. San Pedro Rd	Ves	Ves No	Earthen Engineered Rood	No 3	grassland	Ditch with annual 1000 grass - no 6 westation 50	1055 1	6 6 6 6	6185	33 RCP N/A N/A 1 1	Remove accumulated sediment in series roadside ditch inlets to La Pasada Interceptor. Equipment will be placed on of road or sull-out	top Annually	Long-reach Feravator Hauler	Y				x		x		Low statient	Yes Media	n X		x	x	
Site Remove from Sedime 7 List 7-MAB	i Gallinas Creek - San Pablo Bay	Mabry Ditch	Mabry Ditch; between Mabry Way and Birch Way.	Yes	Yes No	Earthen Engineered Flood Control No	No 3	grassland	Non-native annual grasses 1600	1,600 2 -	-4 1-5	4000	N/A 1 1	Remove sediment as needed from earthe ditch using hand methods. Entire stretch 1600 ft long, but annual work will be spo areas along that length, with amounts	n is Annually	Hand Removal, Hauler				x	x				Local drainage and sediment deposition	Yes Very k	w			x	
Site Remove from Sedime List 2021 7 7 MEA-1	i Gallinas Creek - San Pablo Bay	Meadow Way Interceptor Pipe and	Meadow Way Box and outfall; Meadow Way from its end at Las Gallinas Creek southward Outlet towards N. San Pedro Rd.	Yes	Yes Yes	Earthen Engineered Flood Control Yes	Yes 3	salt marsh	800 Condgrass at outfall 15	7	7 4	6520	' x 4' RCB N/A 5 30	ft section of 7'x4' concrete box culvert (t culvert length is 1400 ft) and accumulate sediment within 15 feet of outfall in Gall Creek.	otal d nas Every 3 years	Long-reach Excavator, Loader, Hauler	x x	x		x	x	x x	x	x	Sediment from tidal action and from US sources	Yes Medic	n	x			
Site Remove from Sedime List 2021 7 MEA-2	f tt Gallinas Creek - San Pablo Bay	Meadow Way Interceptor Inlets (2)	inlets with trash racks:1) North Inlet (Thompson) - 308 San Pedro Ct. 2) South Inlet (7-11) - inlets) 294 N. San Pedro Rd.	Yes	Yes No	Earthen Engineered Flood Control No	No 3	north coast riparian	Dry streambed - no 10-15 vegetation 20-30	35 1	9 7 11 8	350	48 RCP 54 RCP 1 1	Remove accumulated sediment from two inlets to Meadow Way Interceptor. Equipment will be placed on top of bank driveway.	sr Annually	Long-reach Excavator, Hauler	x x				x		x		oper watershed erosion on lands not owned by FC	Yes Media	n x		×		
7 7-PS-2 7 7-SOD	Gallinas Creek - San Pablo Bay Gallinas Creek - San Pablo Bay	Pump Station #4 detention basi Sunny Oaks Drain	PS4 Detention basin; E. Vendola br., just north of its intersection Sunny Oaks Drain; culvert inlets NW and NE of intersection of E.	Yes Yes	Yes No Yes No	Earthen Engineered Flood Control No Earthen Engineered Flood Control No	No 3 No 3	salt marsh grassland	Cattails 25 Open water/cattails 100	25 1 100 3 -	1 25 • 4 10 • 12	625 1100 30	N/A 1 1 0-36 RCP 1 1	Remove up to 1 ft of accumulated sedim from bottom of earthen detention basin. Remove accumulated sediment and vegetation from up to 50 linear feet of	Every 3 years Annually	Long-reach Excavator, Hauler Long-reach Excavator, Hauler	x			x	x	x	x	x	pper watershed erosion on lands not owned by FC	Yes Low Yes Low		x	x		
9 9-CCT Site Remove from Sedime	Corte Madera Creek	College Ct. Outfall	10-14 College Ave Corte Madera Creek concrete channel outfall (including stilling	Yes	Yes Yes Larkspur	Control Yes	3	salt marsh	pickleweed, 12	12 2	2 8	96	36 1 2	Remove accumulated sediment from out Remove sediment from 4100 ft of concre channel US from the end of the concrete	al Every 1 - 3 years te	Excavator Vactor (stilling basin), Long-	x				x		x	re Sei	moval at site may be linked to Corte Madera Creek Sment from tidal action. Effectiveness of sediment moval at site may be linked to Corte Madera Creek	Yes Low		x			
9 CMC-2	Corte Madera Creek	Corte Madera Concrete Channe	basin) US to tidal limit (at Kentfield Rehab Hospital) From Kentfield Rehab US to Lagunitas Rd Bridge; sediment	Yes	ND Yes	Concrete Engineered Flood Control Yes	Yes	concrete channe	Concrete channel - open water 4000 100 Streambed with gravel DS of	4100 1 -	- 4 30	123000	7 14	portion (including 100 LF at stilling basin Equipment will be placed in-channel. Remove accumulated sediment from 100 of natural channel DS of Lagunitas Rd bri	Every 7 years	reach Excavator, Loader, Hauler		x			x	x		Sei	dment Management - Dredging project currently in planning phase.	Yes Media	n	x x			
9 9-CMC-3 Site Remove from Sedime	Corte Madera Creek	Corte Madera Channel	removal in concrete channel at fish resting pools only plus Laurel Avenue ditch in San	Yes	NO Yes Town of Ro	Earthen Engineered Flood ss Control No Earthen Engineered Flood	Yes 2	north coast riparian north coast	Lagunitas Brudge and concrete 100- 450 Non-native annual	100 2	2 30	3000	N/A 3 7	(Town of Ross); sediment removal in 15 f resting pools within concrete channel.	Annually	Wheeled Front End Loader	x	x		x	x	x			oper watershed erosion on lands not owned by FC	Yes Low			x		
9 List 2021 9-L	D Corte Madera Creek	Laurel Ave. ditch Larkspur Creek	Anselmo Off Ward St: bike path bridge Larkspur Creek	Yes	Yes No Yes No	Control No Earthen Engineered Flood Control Yes	No 3 Yes 1	riparian north coast riparian	grasses 850 Streambed with gravel 50	850 2 50 2	2 6 2 15	750	N/A 1 2 N/A 1 2	Remove accumulated sediment from dits Remove accumulated sediment from uno bridge and DS	er Every 1 - 3 years Every 1 - 3 years	Hand tools Excavator	x			x		x		X S	pper watershed erosion on lands not owned by FC oper watershed erosion on lands not owned by FC. ediment deposition may be due to large change in	Yes Low	n		x	x x	

Marin County Flood Control-Stream Maintenance Program																										i lu													
Sediment Removal Sites																												Original Geom	norphic Code	as (2016)			1						
Site Description											Project Dimensions (LxWxH)			Work Days		Project Description Equipment	t Location During Sediment Removal				nent Access and Staging		Temporary Stockpiling Loc		locations		i 17	1 2 3	4	5	6 7	8	9						
	5 km #				Included in	ACO Included in Perm	E BCDC ilt Permit	Municipal	Chanal Tana	Tidal I	Coffer Dam / Diversion Stre	am	Vegetation /	Length of Segments	Di	lepth Width	Pi Diam	e eter		Frequency of	Top of Creel	Adjacent k Roadway or Pull-		Tradius	From roady parking lot pull-outs -	ray, or Across off-ro no area - no veg	In chann and/or req ad veg to trimming/ru	el aires On roadway, parking lot, o emov pull-outs - ni	On off- r road area - o no veg to		Sediment Issue	Sediment Issue Urt	san/Wildla Tidal dis	eere Road Re It crossing ch	Wi duction ch hannel o	idened hannel Debris cross vegetat	Sediment or aggradation on at	: Bar grading/low flow channel	Site is located within an alluvial depositional core (sudden reduction in channel graderit). Haman activity (watershind development, channel confinement, etc.) has caused the site to shift from a transport zone to a
Zone	5010 #	watersned	Sice Name in SMP	Editation Description	RWQC8 ORDER	C DPW NAIK NEED	ed Needed	Jurisdiction	channel Type	(res/wo)	(res/no) Cass	code Habitat I	Type Habitat Type	(reet)	local LP (P	reet) (reet)	Area Pi (inc	es) Min	IN148	work bescription & methods of operation Removal Equipment os	CU Dank	out in-channel	boat or pier	Top of levee Rand I	veg to rem	remove	ai to get	in veg to remov	e remove	Chronic Sediment Notes	Chronicr	Severity nu?	interrace backwater bas	an widen gr	adient st	ction obstruct	3n Outlet	maincenance	Depositional zone.
9	9-MAG-1	Corte Madera Creek	1100 Magnolia	1100 Magnolia Ave	Yes	Yes Yes			Control	Yes	No 3	8 salt ma	rsh pickleweed,	12	12	2 6	72 3	1	2	Remove accumulated sediment from outfall Every 1 - 3 years Hand tools	-		-		(X	-		x	to determine extend of tidal impact vs sediment	Yes	Medium	X	_			X		
9	9-MAG-2	Corte Madera Creek	1028 Magnolia	1028 Magnolia Ave	Yes	Yes Yes			Control	Yes	No 3	8 salt ma	rsh pickleweed,	12	12	2 8	96 1	1	2	Remove accumulated sediment from outfall Every 1 - 3 years End Loader		x				X	_		х	to determine extend of tidal impact vs sediment	Yes	Medium	х				X		L
9	9-MAG-3	Corte Madera Creek	965 Magnolia	965 Magnolia Ave	Yes	Yes Yes			Control	Yes	No 3	8 salt ma	rsh pickleweed,	45	20	3 10	450 3	1	2	Remove accumulated sediment from outfall Every 1 - 3 years End Loader		X				x			х	Sediment from tidal action	Yes	Medium	х	x			x		+
9	9-MAG-4	Corte Madera Creek	600 Magnolia	600 Magnolia Ave Block	Yes	yes No			Control	No	No 3	8 medianlLar	ndscap ruderal	720	720	1 10	7200 N	A 1	2	drainage ditch Every 5 years Backhoe, Haul	er	x			x			х		Drainage collection and sediment deposition	Yes	Medium						х	
9	9-MUR	Corte Madera Creek	Murphy Creek	From the Murphy Creek culvert at Kent Ave US to border of the	Yes	Yes Yes			Natural	Yes	No 1	north co I riparia	an grasses; cattai	ual Is 30	30 1	1-3 2-4	90 4	1	3	Remove sediment from culvert inlets and outlets in parking lot of College of Marin and Every 1 - 3 years Backhoe, Haul	er X	x			x					Upper watershed erosion on lands not owned by FC.	Yes	Medium		×					1
9	9-SHC-3	Sleepy Hollow Creek	Sleepy Hollow Creek	300 Hidden Valley In culvert	Yes	Yes No		DPW Roads	Control	No	No 3	8 riparia	an gravel	120	120	2 6	720	1	2	Every 1 - 3 years Excavator		x			х				х	structures. Per HOA Report (June 2013), bridge likely	(Adding	needed		х					
9	9-SHC-4	Sleepy Hollow Creek	Sleepy Hollow Creek	960 Butterfield Rd at Green Valley Ct culvert	Yes	Yes No		DPW Roads	Earthen Engineered Flo Control	No	No 3	north co riparia	an gravel	h 200	200	3 10	2000	1	2	Remove accumulated sediment from inlet and outfall Every 1 - 3 years Excavator,		x			x				x	Presence of historic restrictive grade control structures	Yes (Adding	Low; needed		x					
9	9-SHC-5	Sleepy Hollow Creek	Sleepy Hollow Creek	bridge	Yes	Yes No		DPW Roads	Control	No	No 3	s riparia	in gravel	50	50	3 10	500	1	2	and outfall Every 1 - 3 years Excavator		x			х				X	Presence of historic restrictive grade control structures	(Adding	needed		х					
9	9-5HC-6	Sleenv Hollow Creek	Sleeny Hollow Creek	Katrina I n culvert	Yes	Yes No.		DPW Roads	Control	No	No 3	tinaria	an gravel	160	160	3 10	1600	1	2	Remove accumulated sediment from outfall Every 1 - 3 years Evravator		x			x				x	Presence of historic restrictive grade control structures	(Adding	peeded		x					
9	9-5HC-7	Sleenv Hollow Creek	Sleeny Hollow Creek	Van Winkle Dr. culvert	Yes	Yes No.		DPW Roads	Control	No	No 3	tinaria	an gravel	200	200	3 8	1600	1	2	Trash Back implementation at San Domenico Every 1 - 3 years Evravator		x			x				x	Presence of historic restrictive grade control structures	(Adding	peeded		x					
	0-1/AN-2	Sleene Hollow Creek	Van Winkle Creek	Ichabad Ct culvert	Var	Yer No.		DBW Roady	Control	No	No 3	e ciencia	an arrowd	160	160	2 6	960		2	Remove service interference of the sector		x			×				×	Presence of historic restrictive ande control structures	(Adding	needed		×					
9	9-VAN-3	Sleepy Hollow Creek	Van Winkle Creek	Tannan Bd culwert	Yes	Yes No		DPW Boards	Control	No	No 3	s rinaria	an gravel	160	160	2 5	800	1	2	Include it on a Long term Canital Every 1 - 3 years Evravator		x			x				x	structures. Per HOA Report (June 2013) culvert/bridge	(Adding	needed		x			x		
	9-VAN-4	Sleepy Hollow Creek	Van Winkin Creek	Mather Rd culuert	Vor	Yer No		DRW Roady	Control	No	No 3	rienria	n (774)	110	110	2 5	550		2	Remove scrumulated rediment from outfall Duery 1 - 2 years' Duranter		x			×				×	structurer, Per HOA Report (June 2012)	(Adding	nandad		×					
	0.VAN-S	Sleepy Hollow Creek	Van Winkie Creek	Van Wieke Dr	Vor	Yer No		DRW Roads	Control	No	No 3	riparia		250	250 1	1.2 2.4	1050 N		,	rider of two hourser. There are extended. Even 2 years - Hauler		^			/ ×					Need more information to confirm rediment in from	Yor	Medium						×	
	9-VAN-6	Sleepy Hollow Creek	Van Winkie Creek	Manitou Dr. culvert	Vor	Yer No		DRW Roads	Control	No	No 3	riparia	in grand	220	220	2 6	1220 4		,	and suffall Dury 1, 2 years December		x			× ×				×	rtructurar Per HOA Report (June 2012), culvert/bridge	(Adding	neodod	x	×				^	
	3-1411-0	Sheepy Honow Creek	Tall Willing Cleak	Outfall from city parking lot	164	163 160		Dir ev includus	Farthen Engineered Flo	- Der	100	/ Tipana	Non-native ann	al	110	×	1,110		-	Wheeled From		Â		1	^	-	-		^	Linner watershed erosion on lands not owned by FC	(respiring	Incosed	^	^					1
9	9-WARD	Corte Madera Creek		across from 25 Ward St	Yes	Yes Yes		1 1	Control	No	No 3		grasses	12	12	2 5	60 3	1	2	Remove accumulated sediment from outfall Every 1 - 3 years End Loader		x				x			x	Sediment deposition may be due to large ~ 70-80	Yes	Medium		x		х	x		1
9	9-WILL	ditch into marsh	William Ave.	444 William Ave. block	Yes	yes No		City of Larkspur	Earthen Engineered Flo Control	tidal	No 3	8 No native	grass grasses	ual 500	500	1 10	5000	1	1	Remove accumulated sediment in the drainage ditch Every 5 Years Backhoe, Hauli	er	x			x			x		Drainage ditch needs periodic sediment removal	Yes	Medium				х			