

Item #4

	San Lorenzo Creek at San Lorenzo (Zone 2 Line B)	Estudillo Canal	Colma Creek at South San Francisco	Zone 4 Line A	Castro Valley Creek at Hayward	Laurel Creek at Hillsdale	Wildcat Creek at Vale Road
GIS Watershed boundary	yes	yes	yes	yes	yes	approx	yes
County	Alameda	Alameda	San Mateo	Alameda	Alameda	San Mateo	Contra Costa
Watershed area upstream of gauge/sample location (km ²)	115.51	15.37	27.97	4.14	14.27	12	20.28
>50% Urban (y/n) ABAG1995	no ~45%	yes ~95%	yes ~80%	yes ~95%	yes ~75%	yes ~50%	no ~15%
>50% Urban (y/n) 2000CensusCASIL	yes ~50%	yes ~100%	yes ~100%	yes ~70%	yes ~80%	yes ~100%*	no ~10%
Amount of watershed with industrial landuse (h/m/l)	low ~10%	low ~5%	low ~ 10%	med ~30%	low ~0%	low ~0%	low ~0%
Sampling position relative to main industrial area (US/DS)	US	DS	US	DS	US	US	US
Amount of watershed contributing clean sed/water (h/m/l)	high ~55%	low ~5%	low ~ 15%	low ~ 5%	low ~20%	low ~20%	high ~80%
Previous monitoring- contaminants Hg/PCB (y/n)	yes	no	yes	no	yes	no	no
BASMAA PCB data (range ng/g) ¹	20-200	0-20	200-1000	20-200	0-20	20-200	20-200
Concentration of Hg on bay margin (range ng/g) ²	0-500	0-500	0-500	0-500	0-500	0-500	1000-5000
Concentration of PCB on bay margin (ng/g) ³	22	22	37	22	22	25	20
USGS gauge number	11181040	na	11162720	na	11181008	na	11181390
USGS gauge (historic/current/none)	current	none	historic	none	current	none	historic
USGS gauge years of operation	1967-2004	na	1964-1996	na	1971-2004	na	1976-1996
USGS SSC (historic/current/none/years of operation)	hist 1989-1993	none	hist 1965-1976 1981-1982	none	hist 1971-1973	none	hist 1976-1980
USGS bedload (historic/current/none/years of operation)	hist 1989-1993	none	none	none	none	none	hist 1976-1980
Channel type (natural/engineered/stormdrain/etc)	engineered	engineered	engineered	engineered	natural	natural	natural
Channel width (m)	11.3	11	10	6	7	4.6	3
Top of bank height (m)	4	4	3.6	2.6	12	2	5
Channel gradient (%)	< 0.5	< 0.5	< 0.5	~1	~3	~1	~1.5
Bank controls	concrete lined	none	concrete lined	wingwalls	stone abutment	none	concrete jacks

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Bed controls	concrete lined	none	concrete lined	concrete slabs	bedrock	concrete sill	concrete sill
D50 visual estimate (mm)	none	4	none	2	30	20	20
Debris type and abundance (wood/trash/etc)	none	low trash	none	low trash	low wood	none	med trash
Overhead sampling structure (y/n/yes but)	yes	yes	yes	yes but fence	yes	yes	yes
Overhead structure height from bed (m)	8.5	4	4	2.6	10.9	1.8	5
Permission needed (y/n)	no	no	no	yes	no	no	no
Jurisdiction	ACFCWCD	ACFCWCD	City of SF?	ACFCWCD	ACFCWCD	City of Hillsdale?	CCC FC?
Sidewalk (y/n)	yes	yes	yes	yes	yes	yes	yes
Lighting (y/n)	yes	yes	yes	no	no	no	yes
Vehicle access (y/n)	yes	yes	yes	yes	yes	yes	yes
Overall safety rating (good/med/poor)	medium	good	good	medium	good	good	poor
Overall feasibility (good/med/poor)	good	good	good	medium	medium	good	medium
Drawback	road, vandalism	tidal influence	stormdrain	fence	bedrock	land use	night safety
Future changes (in management or landuse)	yes (redevelop + BMPs)	yes (redevelop + BMPs)	possible	yes (redevelop + BMPs)	unlikely (some sed stab or more housing)	unlikely	unlikely
Existing water quality data	probable (EpTox, sed study pending)	little	probable (USGS)	probable	numerous 20 yrs (sed + TMS)	unlikely	little
Existing watershed mapping	well mapped	well mapped	well mapped (stormdrains in 2007)	well mapped	well mapped	well mapped (stormdrains in 2007)	well mapped (stormdrains in 2007)

¹ BASMAA Creeks and Stormdrain samples

² RMP and Bay Protection data

³ EMAP 2000-2001 Surface sediments, contoured by John Oram

* Laurel Ck watershed is much closer to 100% urban rather than 50%