

RAPID TRASH ASSESSMENT WORKSHEET

Surface Water Ambient Monitoring Program, San Francisco Bay Regional Water Quality Control Board

WATERSHED/STREAM: Rodeo Creek Watershed DATE/TIME: July 25th, 2009
 MONITORING GROUP, STAFF: CCRCD SAMPLE ID NO. _____
 SITE DESCRIPTION (Station Name, No., etc.): Behind Safeway Store, 605 Parker Avenue

Trash Assessment Parameter	CONDITION CATEGORY			
	Optimal	Sub optimal	Marginal	Poor
1. Level of Trash	On first glance, no trash visible; little or no trash evident when streambed and streambanks are closely examined for litter and debris, for instance by looking under leaves.	On first glance, little or no trash visible; after close inspection small levels of trash evident in streambank and streambed.	Trash is evident in low to medium levels on first glance. Streambank surfaces and immediate riparian zone contain litter and debris. Evidence of site being used by people: scattered cans, bottles, blankets, and/or clothing.	Trash distracts the eye on first glance. Streambank surfaces and immediate riparian zone contain substantial levels of litter and debris. Evidence of site being used frequently by people: many cans & bottles, food wrappers, manmade shelters, blankets, and/or piles of clothing.
SCORE	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0
2. Actual Number of Trash Items Found	0 to 10 trash items based on a rapid survey of a 100-foot stream reach.	10 to 50 trash items based on a rapid survey of a 100-foot stream reach.	50 to 100 trash items based on a rapid survey of a 100-foot stream reach.	Over 100 trash items based on a rapid survey of a 100-foot stream reach.
SCORE	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0
3. Threat to Aquatic Life	Trash, if any, is mostly paper or wood products or other biodegradable materials. Note: A large amount of rapidly biodegradable material like food waste creates high oxygen demand, and should not be scored as optimal.	Little or no (<10 pieces) persistent, buoyant, and small litter or debris. Presence of settleable, degradable, and non-toxic debris such as wood, glass, metal, and degradable plastics such as foamed plastics.	Medium prevalence (10-50 pieces) of persistent (plastic, synthetic rubber or cloth), toxic, buoyant, and small litter such as: plastic bags; pellets; cigarette butts; large deposits of settleable debris such as glass or metal; and any evidence of small clumps of deposited yard waste or leaf litter.	Large amount (>50 pieces) of persistent (plastic, synthetic rubber or cloth), toxic, buoyant, and small (transportable) trash such as: cigarette butts; plastic bags; plastic pellets; batteries or other toxic substances; and large clumps of yard waste or dumped leaf litter.
SCORE	20 19 18 17 16	15 14 13 12 11	10 9 8 7 6	5 4 3 2 1 0
4. Threat to Human Health	Observable trash contains no evidence of bacteria or virus hazards such as medical waste, diapers, pet or human waste, no evidence of toxic substances such as pesticides or batteries, no ponded water for mosquito production & no evidence of puncture or laceration hazards associated with the observed litter or debris.	No medical waste or sources of toxic substances, but any presence (<10 pieces) of puncture or laceration hazards such as broken glass and metal debris. Or presence of ponded water in trash items such as tires or containers that could facilitate mosquito production.	Presence of one of the following: hypodermic needles, pipettes, or other medical waste ; any used diapers or pet waste within the stream channel or where runoff could carry materials to waterbody; any toxic substance such as pesticides, batteries, or fluorescent light bulbs (mercury); medium prevalence (10-50 pieces) of puncture hazards	Presence of more than one of the item categories described previously in the marginal condition category; or high prevalence of any one item (e.g. greater than 50 puncture or laceration hazards).

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SCORE	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
5. Illegal Dumping and Littering	D: No evidence of illegal dumping. L: Any observed trash is incidental litter (less than 5 items) or carried downstream from another location.					D: Some evidence of illegal dumping, such as a sign prohibiting dumping along with observed garbage bags of material. Limited vehicular access limits the amount of potential dumping, or material dumped is diffuse paper-based debris (e.g., convenience stores or fast food). L: Some evidence of litter within creek and banks originating from adjacent land uses (<10 items)					D: Presence of one of the following: furniture, appliances, or bags of garbage or yard waste, coupled with vehicular access that facilitates in-and-out dumping of materials to avoid landfill costs. L: Prevalent (10-50 items) in-stream or shoreline littering that appears to originate from adjacent land uses					D: Evidence of chronic dumping, with more than one of the following items: furniture, appliances, shopping carts, garbage bags, or yard waste. Easy vehicular access for in-and-out dumping of materials to avoid landfill costs. L: Vary large amount (>50 items) of litter within creek and banks that appear to originate from adjacent land uses.					
D-SCORE	10	9				8	7	6			5	4	3			2	1	0			
L-SCORE	10	9				8	7	6			5	4	3			2	1	0			
6. Accumulation of Trash	There does not appear to be a problem with trash accumulation from downstream transport. Observable trash, if any, appears to have been directly deposited at the stream location.					Some evidence that litter and debris have been transported from upstream areas to the location. Less than 10 trash items have been transported from upstream locations, based on evidence such as silt marks, faded colors or location near high water marks.					10 to 50 items of observable trash are carried to the location from upstream, as evidenced by its location near high water marks and siltation marks on the debris.					Trash appears to have accumulated in substantial quantities at the location based on delivery from upstream areas, and is in various states of degradation based on its persistence in the waterbody. Over 50 items of observable trash have been carried to the location from upstream.					
SCORE	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0

Total Score 37

SITE DEFINITION:

UPPER/LOWER BOUNDARIES OF REACH: Bench/Garbage Can Area South to Large Oak

HIGH WATER LINE: 4.5 ft

UPPER EXTENT OF BANKS OR SHORE: 24.5 ft

NOTES:

There appears to be an increase in pet waste from the last time the group walked or cleaned up this section of Rodeo Creek. Much of the garbage appears to be candy wrappers and other plastic products (most has been degraded to small pieces.