Midpeninsula Regional Open Space District

Memorandum

DATE: February 26, 2014

MEMO TO: MROSD Board of Directors

FROM: Kirk Lenington, Natural Resources Manager

THROUGH: Stephen Abbors, General Manager

SUBJECT: Work Estimates for the Integrated Pest Management Program

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Per request by the Board of Directors at the July 23, 2013 study session on the Integrated Pest Management Policy, staff is providing an estimate of the amount of herbicide use on District preserves and at other regional park agencies.

Work completed in the calendar year of 2010 was used as the most typical recent year with reliable information for the annual use of herbicides by the Midpeninsula Regional Open Space District and that of two other park agencies in the region. Detailed information about pesticide use is not readily available from other agencies and caution should be taken with making comparisons. In particular, a gallon of one type of herbicide is not equivalent to a gallon of a different type of herbicide because different herbicides require different dilution ratios and therefore can be used across smaller or larger acreages.

Table 1.
Herbicide Use by Several Park Agencies

	Total Managed Acres	**Active Ingredient***	**Target Pest**	**Annual Gallons of Concentrate**
Midpeninsula Regional Open Space District	60,000	Aminopyralid	Broadleaf weeds	3.0
		Glyphosate	Many types of weeds	106.0
East Bay Regional Park District	108,000	Aminopyralid/ Triclopyr	Broadleaf and woody weeds	2.5
		Dicamba	Broadleaf weeds	10.0
		Glyphosate	Many types of weeds	96.0
		Oryzalin	Pre-emergent	39.0
		Triclopyr	Woody plants	20.0
Marin County Parks	20,000	Clove leaf oil	Many types of weeds	1.8
		Glyphosate	Many types of weeds	4.8
		Imazapyr	Many types of weeds	0.1

Sources: MROSD staff records, database and maps; East Bay Regional Park District, 2010 Annual Analysis of Pesticide Use, September 14, 2011, products used on golf courses and non-native cordgrass in San Francisco Bay excluded; Marin County Parks IPM Program, 2010 Allowed Pesticide.

*Glyphosate comes in different product formulations with a range of concentrations from 41 to 54% active ingredient; these were all summed into one category for general information but are not exactly comparable.