

East Bay Regional Park District

**Regional Maintenance Activities
Alameda and Contra Costa Counties**

ATTACHMENT B

**California Regional Water Quality Control Plan
San Francisco Bay Region
Self-Monitoring Program**

**CALIFORNIA REGIONAL WATER QUALITY CONTROL PLAN
SAN FRANCISCO BAY REGION
SELF-MONITORING PROGRAM**

for
East Bay Regional Park District
Regional Maintenance Activities

I. General

A. Basis

Reporting responsibilities of the East Bay Regional Park District as " Discharger" are specified in Sections 13225(a), 13267(b), 13268, 13383, 13387(b) of the California Water Code and this Board's Resolution No. 73-167.

B. Purpose

The principal purposes of a monitoring program by a discharger, also referred to as a Self-Monitoring Program, are to document compliance with discharge requirements and prohibitions established by this Board and to facilitate self-policing by the discharger in the prevention and abatement of pollution arising from maintenance activities.

C. Monitoring Methods

Monitoring of impact and mitigation sites shall be consistent with standard protocols for assessing percent coverage by plants, survival of plants, stability of banks, stability of berms, geomorphic stability of channels. Monitoring reports shall be signed by either an individual or a position having responsibility for the overall operation of the regulated activity (e.g., authorized agent, field supervisor, or project manager).

II. Specifications for Monitoring

The Discharger is required to perform monitoring in accordance with the following conditions and requirements:

A. Standard Observations

As appropriate, the following observations shall be recorded annually for each impact and mitigation site, until the appropriate performance criteria are attained (For some sites, such as sedimentation ponds or beach replenishment, these observations are not necessary).

1. Impact Sites:

- a. Percent coverage by vegetation relative to pre-impact vegetation.
- b. Percent survival of planted shrubs and trees.
- c. Stability of impacted creek bed and banks (e.g., slumping, undercutting, headcuts, knickpoints, incision, etc.).
- d. Stability of culvert inlets and outlets, including adjacent natural creek channels.
- e. Pre-construction and post-construction photographs
- f. Annual post-construction photographs for all sites that have not attained their performance criteria.

2. Mitigation Sites:

- a. Percent coverage by vegetation relative to pre-restoration/enhancement vegetation.
- b. Percent survival of planted shrubs and trees.
- c. Stability of impacted creek bed and banks (e.g., slumping, undercutting, headcuts, knickpoints, incision, etc.).
- d. Stability of berms supporting mitigation ponds.
- e. Duration and depth of ponding during breeding seasons for listed amphibians at pond restoration or enhancement sites.
- f. Pre-construction and post-construction photographs
- g. Annual post-construction photographs for all sites that have not attained their performance criteria.
- h. Any observations of use of mitigation sites by California red-legged frog, California tiger salamander, California clapper rail, salt marsh harvest mouse, Western pond turtle, or any other special status aquatic species.

B. Records to be maintained

1. Written reports, maintenance records, field notes, photographs and other records shall be maintained by the Discharger for a minimum of five years. Records shall include notes and observations for each site as follows:

- a. Identification of each impact or mitigation site.
- b. The dimensions (square feet and/or linear feet) of impacted waters of the State at each impact site
- c. The dimensions (square feet and/or linear feet) of enhanced or restored waters of the State at each mitigation site
- d. Date and time of monitoring event.
- e. Observations made of vegetation (percent coverage, percent survival, etc.)
- f. Observations of channel and/or berm stability (e.g., slumping, undercutting, headcuts, knickpoints, incision, etc.)
- g. Depth and duration of ponding.
- h. Any records of species observed using the site
- i. Site photographs
- j. Map or maps of each site showing the areas in which work was performed at each site and the locations and directions at which photographs were taken.

2. Written reports, maintenance records, field notes, photographs and other records shall be made accessible to Regional Water Board staff upon request.

III. Reports to be filed with the Board

- A.** Reports and the letter transmitting reports shall be signed by the general manager or assistant general manager(s) of the Discharger, or by a duly authorized representative of that person.

B. Annual Notification of Proposed Projects

1. The Annual Notification of Proposed Projects for the following year's proposed projects shall be submitted by June 1st of each year.
2. The Annual Notification of Proposed Projects shall include:
 - a. All routine maintenance activities planned for the following year, including the Nationwide Permit (NWP) that would have authorized each project;
 - b. Individual project locations, scope, purpose and need;
 - c. The amount of fill of waters of the State, including wetlands, for each project, in square feet and/or linear feet as appropriate. For culvert replacement or rehabilitation projects, the length of existing and replacement culverts shall also be reported.¹:
 - d. Descriptions of all on-site mitigation (e.g., stabilization of disturbed surfaces, re-vegetation of disturbed surfaces, planting of riparian vegetation, etc) for that year's projects.
 - e. Descriptions of the off-site mitigation projects proposed for that year's projects (Since many mitigation sites will be consolidated mitigation sites compensate for impacts of multiple small projects, the appropriateness of each year's proposed mitigation shall be evaluated with respect to net impacts and net mitigation).
 - f. Performance criteria for on-site restoration that can be used to establish that habitats at impacted sites have recovered to near pre-impact levels (e.g., percent cover of disturbed surfaces with vegetation, percent survival of replanted riparian vegetation, etc.).
 - g. Performance criteria for off-site mitigation that can be used to establish that the mitigation projects have successfully created or enhanced habitat (e.g., geomorphic stability of channels and/or berms, percent survival of planted riparian vegetation, percent cover of planted vegetation, sufficient ponding to support breeding of listed amphibians, etc.).

C. Annual Post-Maintenance Reports

1. Following the end of the year, the discharger shall prepare and submit by February 15th of each year, a detailed report (annual report) on all completed routine maintenance projects and mitigation sites implemented during the previous year.
2. The annual report shall contain:
 - a. Information regarding the various maintenance projects' locations, length and width of impact areas. At culvert sites, the report shall include the length of the existing and replacement culverts. This information may be submitted in a tabular format with supporting text.
 - b. Information regarding the various mitigation projects' locations, length and width of impact areas. For each mitigation site, the annual report shall describe the type of mitigation habitat that was restored and/or enhanced. This information may be submitted in a tabular format with supporting text.

¹ Due to the relatively small footprint of most projects and the similar nature of many projects, the notification and post-maintenance reports may be organized as a large table. This table should be augmented with explanatory text for any unusual impact or mitigation sites.

- c. At bank stabilization sites, the project report shall include a description of the bio-engineering bank stabilization methods used at the site. If bio-engineering bank stabilization was not implemented, the annual report shall include a rationale for selecting an alternate bank stabilization method.
- d. A list of all BMPs applied to the various maintenance projects completed within each preceding year as part of the required annual report described above.
- e. A description of any unanticipated field conditions that affected the implementation of maintenance or mitigation projects.
- f. Any changes to planned maintenance projects or mitigation projects, as they were described in the Annual Notification of Proposed Projects.
- g. All of the Standard Observations specified in Section II.A of this SMP.
- h. Discussions of each site's progress toward meeting its performance criteria, including any recommendations for maintenance necessary to help attain the performance criteria and summaries of maintenance activities that have been performed in the prior year. If necessary, contingency measures for all mitigation projects shall be discussed. The discharger shall also identify any special approaches or conditions utilized to complete the maintenance and mitigation projects.
- i. A current account of impacts and mitigation restoration, including: a summary of losses of wetlands/waters of the State associated with each individual routine maintenance activity project, including the total acreage, linear feet, and type of wetland/waters of the State impacted; a summary of the gains of wetlands/waters of the State associated with each mitigation site including the total acreage, linear feet, and type of wetland/waters of the State enhanced or restored; and a summary of net increase (or decrease) in the total acres, linear feet, and type of wetland/water of the State created in the previous year. This information will be used to determine whether or not the Discharger has created excess mitigation credits for use by the Discharger as mitigation for future maintenance projects, or as otherwise allowed by the Provisions of the Order.
- j. If any impact or mitigation sites have attained their performance criteria, the Annual Report will present the basis for determining that such sites have met their performance criteria. Upon receiving concurrence from the Executive Officer of the Regional Board, these sites may be removed from annual monitoring and reporting requirements.