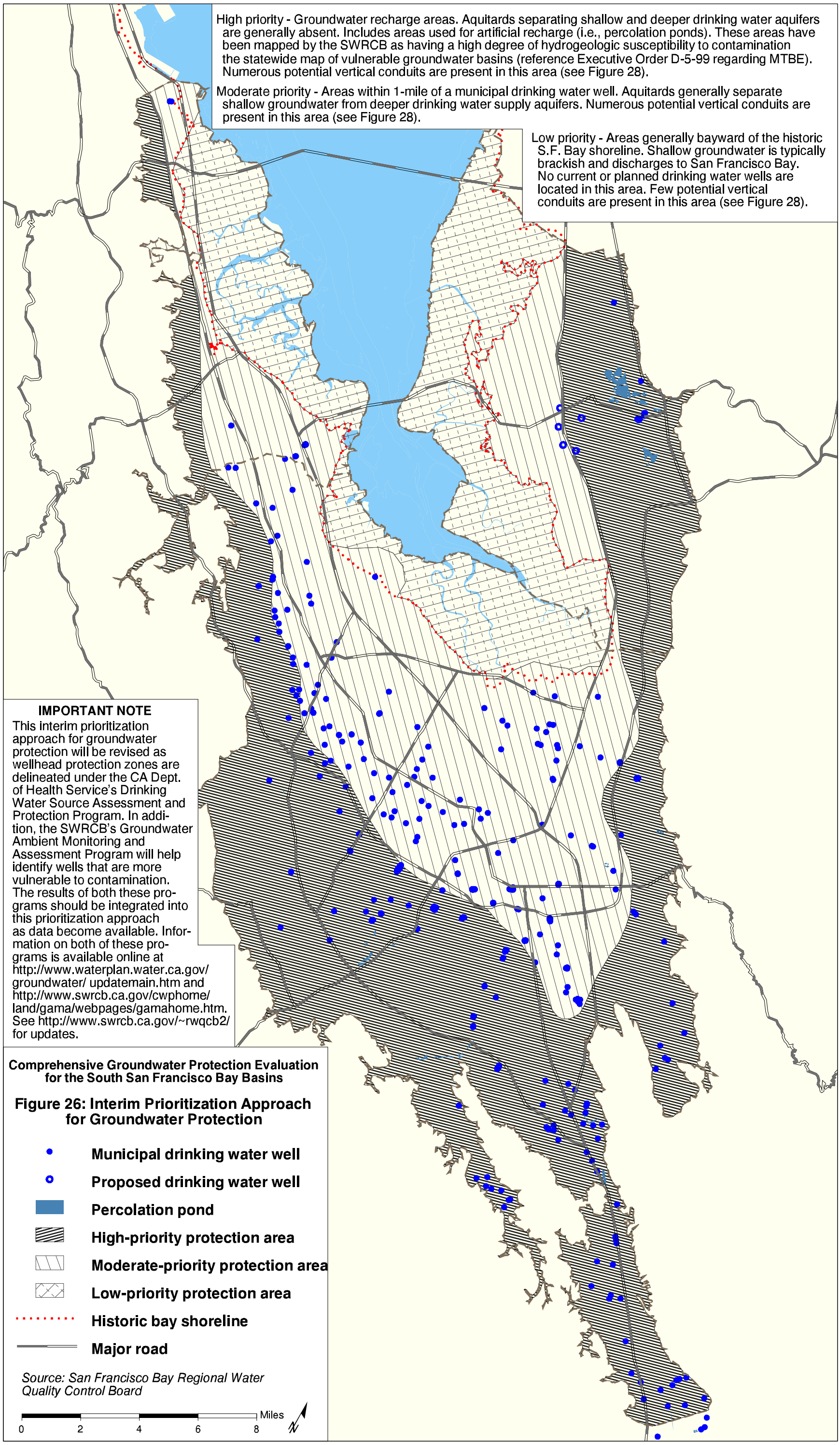
High priority - Groundwater recharge areas. Aquitards separating shallow and deeper drinking water aquifers are generally absent. Includes areas used for artificial recharge (i.e., percolation ponds). These areas have been mapped by the SWRCB as having a high degree of hydrogeologic susceptibility to contamination the statewide map of vulnerable groundwater basins (reference Executive Order D-5-99 regarding MTBE). Numerous potential vertical conduits are present in this area (see Figure 28).
Moderate priority - Areas within 1-mile of a municipal drinking water well. Aquitards generally separate shallow groundwater from deeper drinking water supply aquifers. Numerous potential vertical conduits are present in this area (see Figure 28).
Low priority - Areas generally bayward of the historic S.F. Bay shoreline. Shallow groundwater is typically brackish and discharges to San Francisco Bay. No current or planned drinking water wells are located in this area. Few potential vertical conduits are present in this area (see Figure 28).
IMPORTANT NOTE
This interim prioritization approach for groundwater protection will be revised as wellhead protection zones are delineated under the CA Dept. of Health Service's Drinking Water Source Assessment and Protection Program. In addition, the SWRCB's Groundwater Ambient Monitoring and Assessment Program will help identify wells that are more vulnerable to contamination. The results of both these programs should be integrated into this prioritization approach as data become available. Information on both of these programs is available online at http://www.waterplan.water.ca.gov/groundwater/ updatemain.htm and http://www.swrcb.ca.gov/cwphome/land/gama/webpages/gamahome.htm. See http://www.swrcb.ca.gov/~rwqcb2/ for updates.
Comprehensive Groundwater Protection Evaluation for the South San Francisco Bay Basins
Figure 26: Interim Prioritization Approach for Groundwater Protection
Municipal drinking water well
Proposed drinking water well
Percolation pond
High-priority protection area
Moderate-priority protection area
Low-priority protection area
Historic bay shoreline
Major road
Source: San Francisco Bay Regional Water Quality Control Board
0
2
4
6
8
Miles
N