



CDQAP – RB2 Conditional Waiver Reference Binder  
 Tab 2.1 March, 2016  
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## Required Map Elements for RB2 Resolution No. R2-2015-0031

This checklist identifies the mapping elements required for the San Francisco Bay Regional Water Quality Control Board’s Waste Management Plan (WMP), Nutrient Management Plan (NMP), and Grazing Management Plan (GMP) associated with the Conditional Waiver of Waste Discharge Requirements for Existing Cow Dairies

([http://www.waterboards.ca.gov/sanfranciscobay/water\\_issues/programs/TMDLs/agriculture/CAF/Resolution%20R2-2015-0031.pdf](http://www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/TMDLs/agriculture/CAF/Resolution%20R2-2015-0031.pdf)).

### Grazing Management Plan Requirements (Completed before November 30, 2017)

A ranch facility map or aerial photo on a 1:12,000 scale

Identification of sediment legacy discharge points

### Waste Management Plan Requirements (Completed before November 30, 2017)

Property boundaries

All existing and proposed land-use designations (crops, grazed areas, dairy facilities, pastures, covered and uncovered confined areas, feeding areas, etc.)

Structures used for animal housing, milk production, food processing, and other buildings

Corrals and ponds

Solids separation facilities (settling basins or mechanical separators)

Other areas where animal wastes are deposited or stored

Feed storage areas

Drainage flow directions and nearby surface waters<sup>1</sup>

All water supply wells (domestic, irrigation, and barn wells)<sup>1</sup>

Groundwater monitoring wells

Process wastewater conveyance structures, discharge points, and discharge/mixing points with irrigation water supplies

Pumping facilities and flow meter locations<sup>1</sup>

Upstream diversion structures, drainage ditches and canals, culverts, drainage controls (berms/levees, etc.), and drainage easements and any additional components of the waste handling and storage system<sup>1</sup>

The basic location and features of all land application areas under the Discharger’s control (total acres of each field, whether it is owned, rented, or leased) to which manure or process wastewater from the production area is or may be applied for nutrient recycling<sup>1</sup>

The location of pasture lands and the pathways which animals travel to and from the production areas (if applicable)

1 – also required for NMP maps

**Nutrient Management Plan Requirements  
(Completed before November 30, 2019)**

USGS quadrangle maps or equivalent showing the location of the facility and all areas under the Discharger's control, whether owned, rented, or leased, to which manure or process water may be applied<sup>2</sup>

Surface water courses and conveyances<sup>2</sup>

Pipelines (above or underground), where process water is mixed with irrigation water or discharged

Drainage flows for the production area and each field

Drainage ditches and easements<sup>2</sup>

Drainage controls (berms, levees, etc.) for tailwater and stormwater,

Extent of subsurface (tile) drainage systems and associated discharge points,

Pumping facilities and flow meters<sup>2</sup>

Wells and type<sup>2</sup>

Stormwater discharge points,

Any septic systems,

Crops grown and rotations, if any, for each application area,

Where types of waste are applied (solids, waste water, and/or both),

All water quality sampling points, and

A map legend

2 – also required for WMP maps