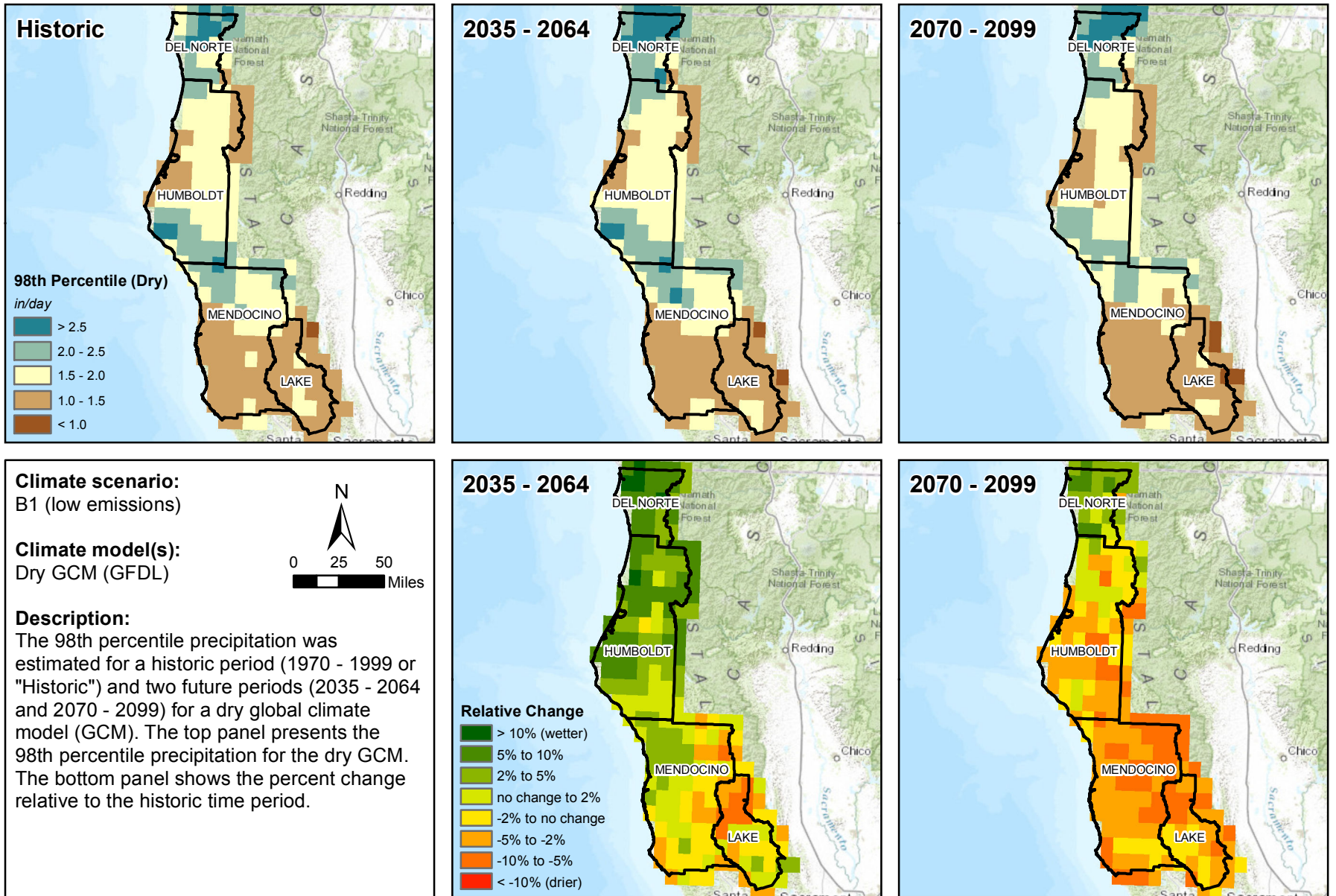


G:\130588_HCAOG-ClimateChange\MXD\Figures\Precip_98Percentile_11Jun2014.mxd

SOURCE: Cal Adapt, 2014

Caltrans District 1 Climate Change Pilot Study . 130588.00

Figure 11
98th Percentile Precipitation: Average Values and Relative Change for Scenario A2, Dry Model



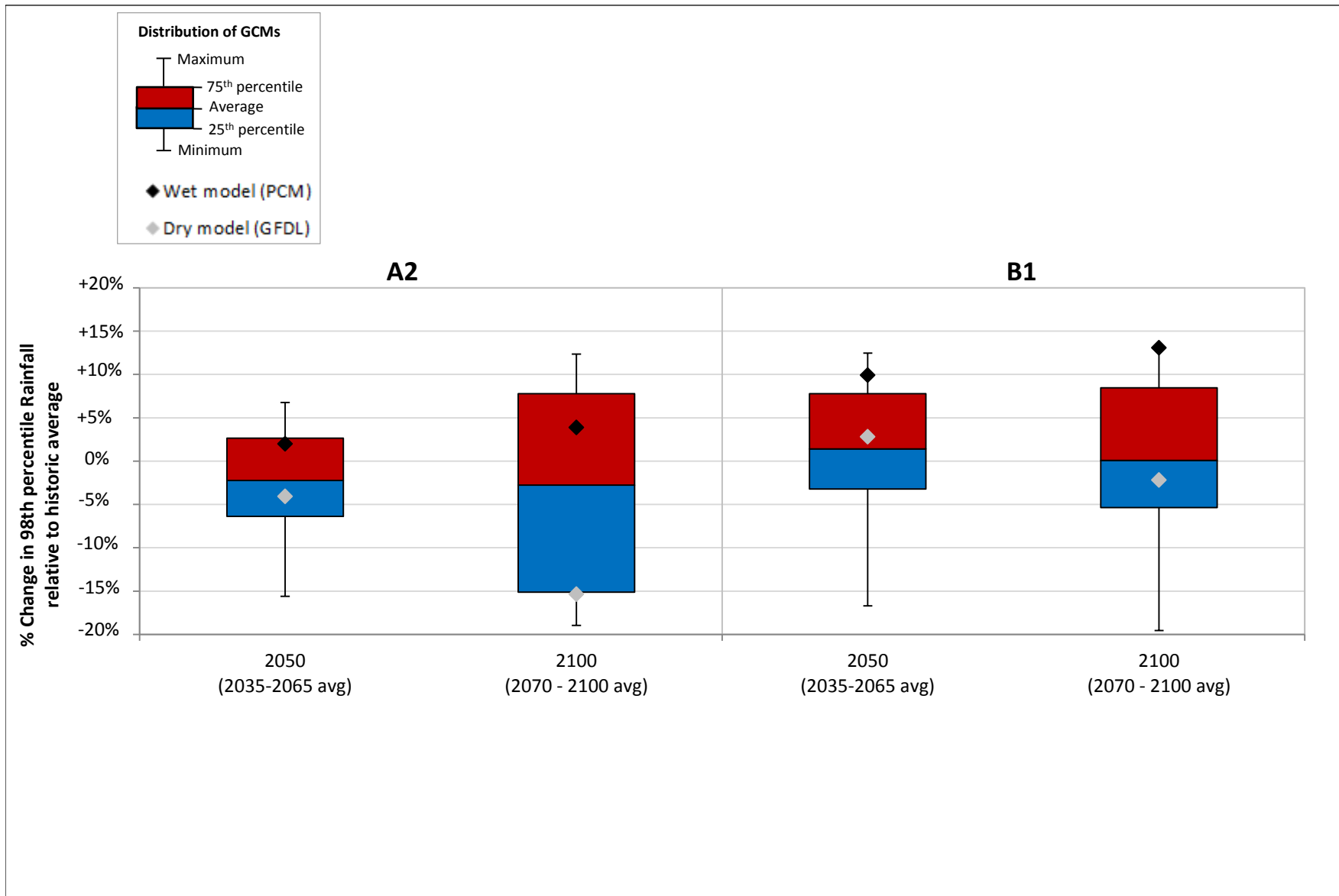
G:\130588_HCAOG-ClimateChange\MXD\Figures\Precip_98Percentile_11Jun2014.mxd

SOURCE: Cal Adapt, 2014

Caltrans District 1 Climate Change Pilot Study . 130588.00

Figure 12

98th Percentile Precipitation: Average Values and Relative Change for Scenario B1, Dry Model

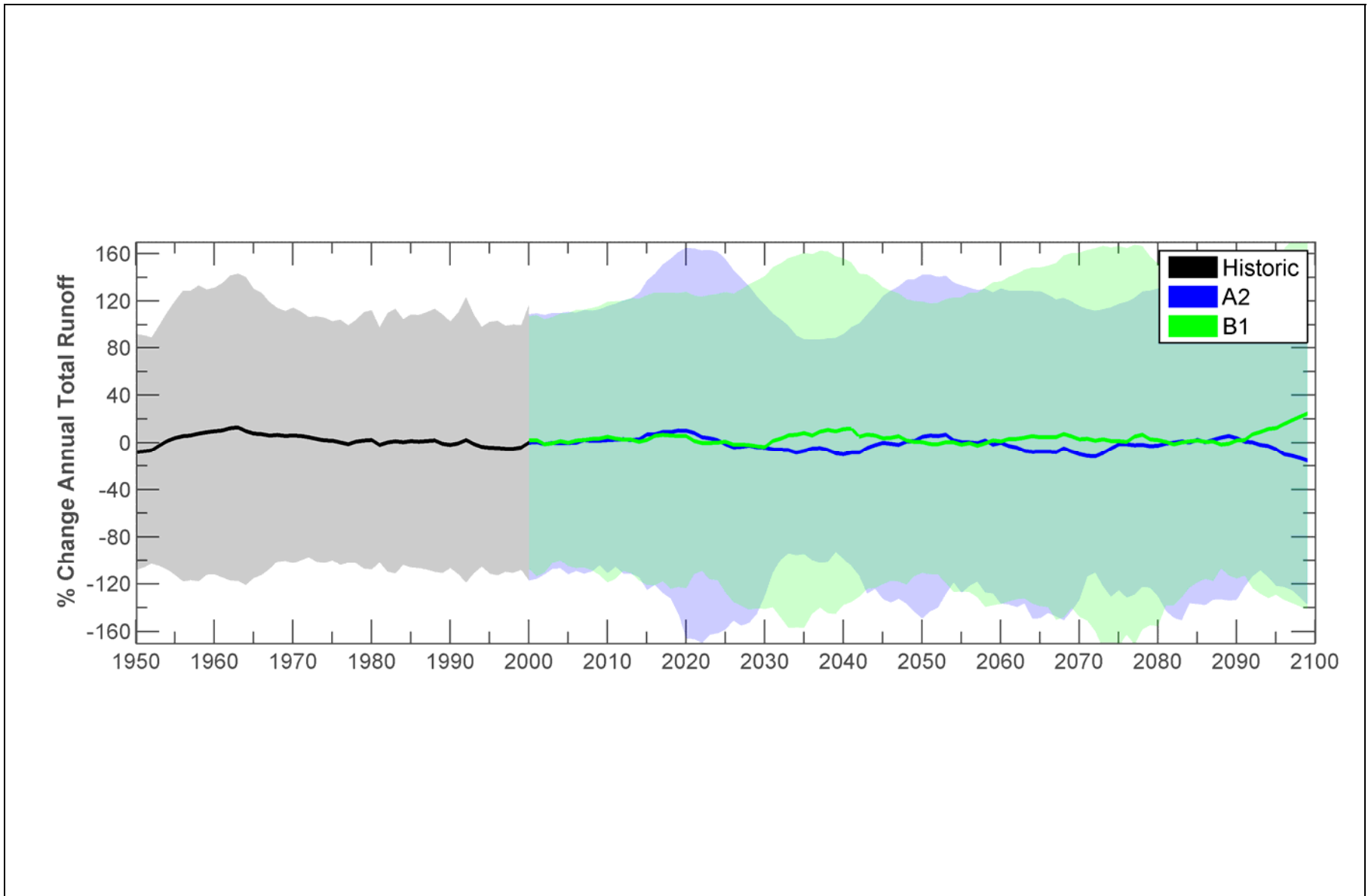


SOURCE: WCRP CMIP3 downscaled data

Caltrans District 1 Climate Change Pilot Study . 130588.00

Figure 13

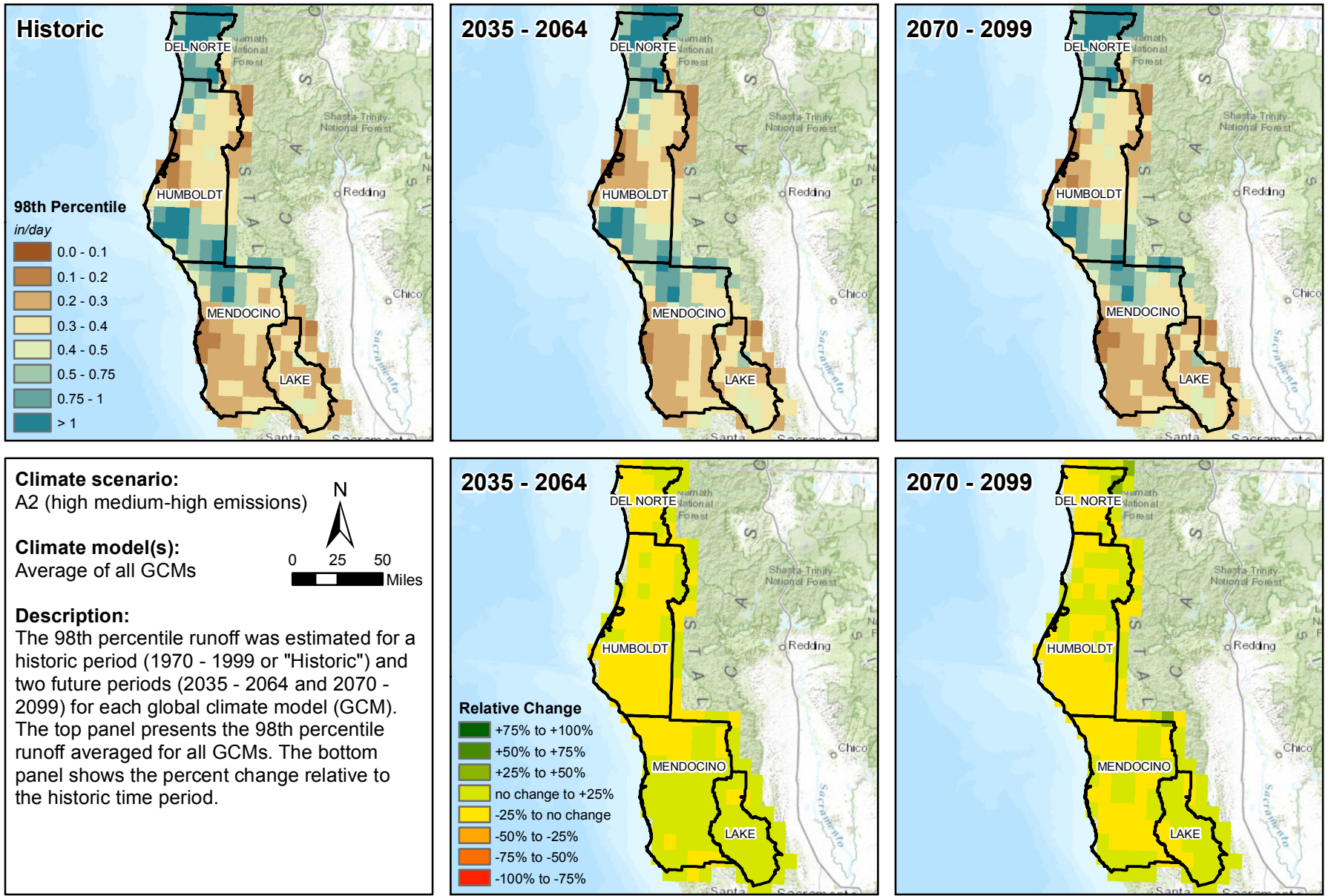
Change in Extreme Precipitation Over Time for Multiple GCMs - District 1 Average



SOURCE: CMIP3

NOTES: 10-year moving average; spatially averaged over District 1;
 solid lines are ensemble average;
 shading represents range of individual GCMs

Figure 14
 Percent Change in Total Annual Runoff from Historic Average for A2
 and B1 Emissions Scenarios

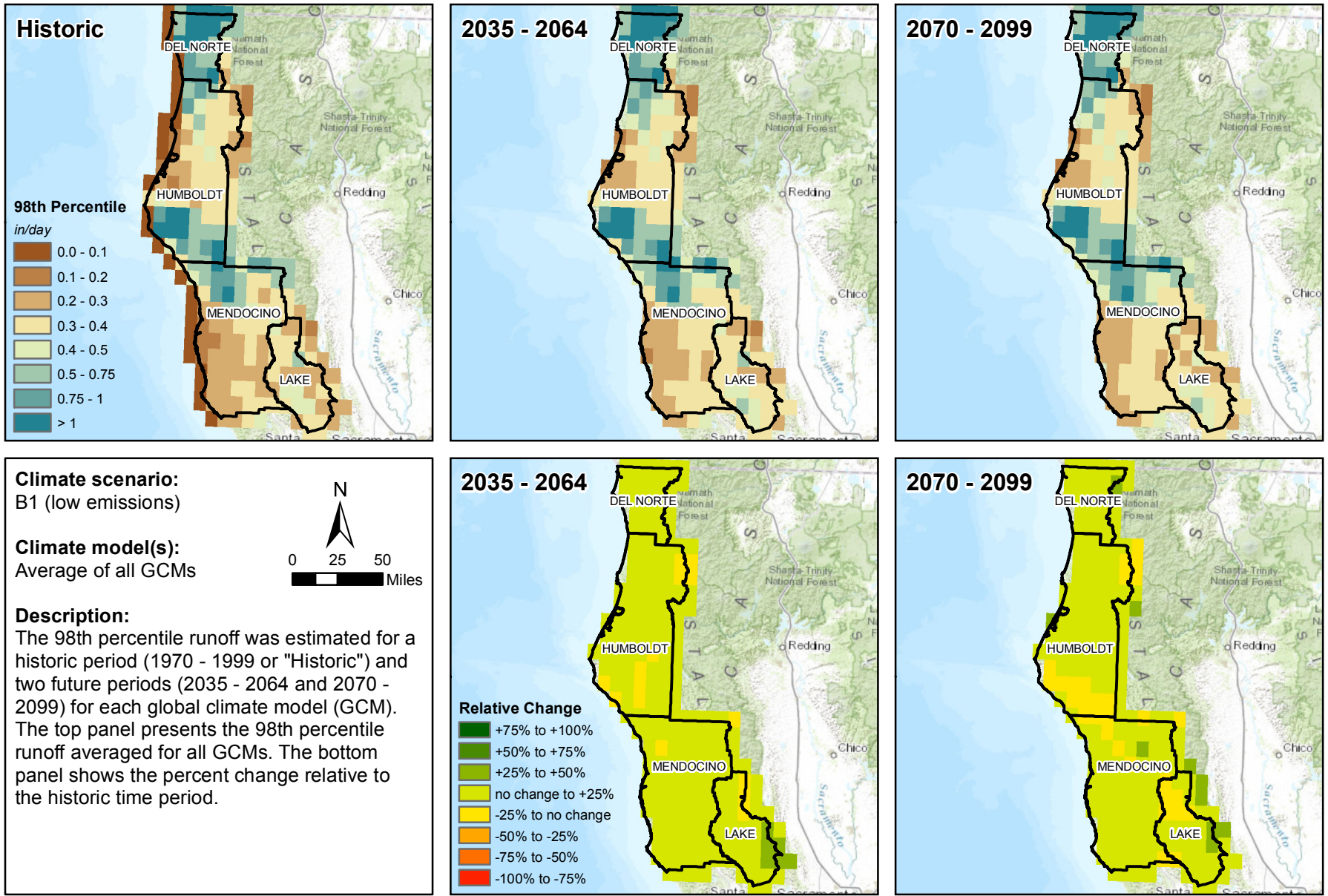


S:\GIS\130588_HCAOG-ClimateChange\MXDs\Figures\Runoff_98Percentile_16Jun2014.mxd

SOURCE: Cal Adapt, 2014

Caltrans District 1 Climate Change Pilot Study . 130588.00

Figure 15
98th Percentile Runoff: Average Values and Relative Change for Scenario A2, All Models

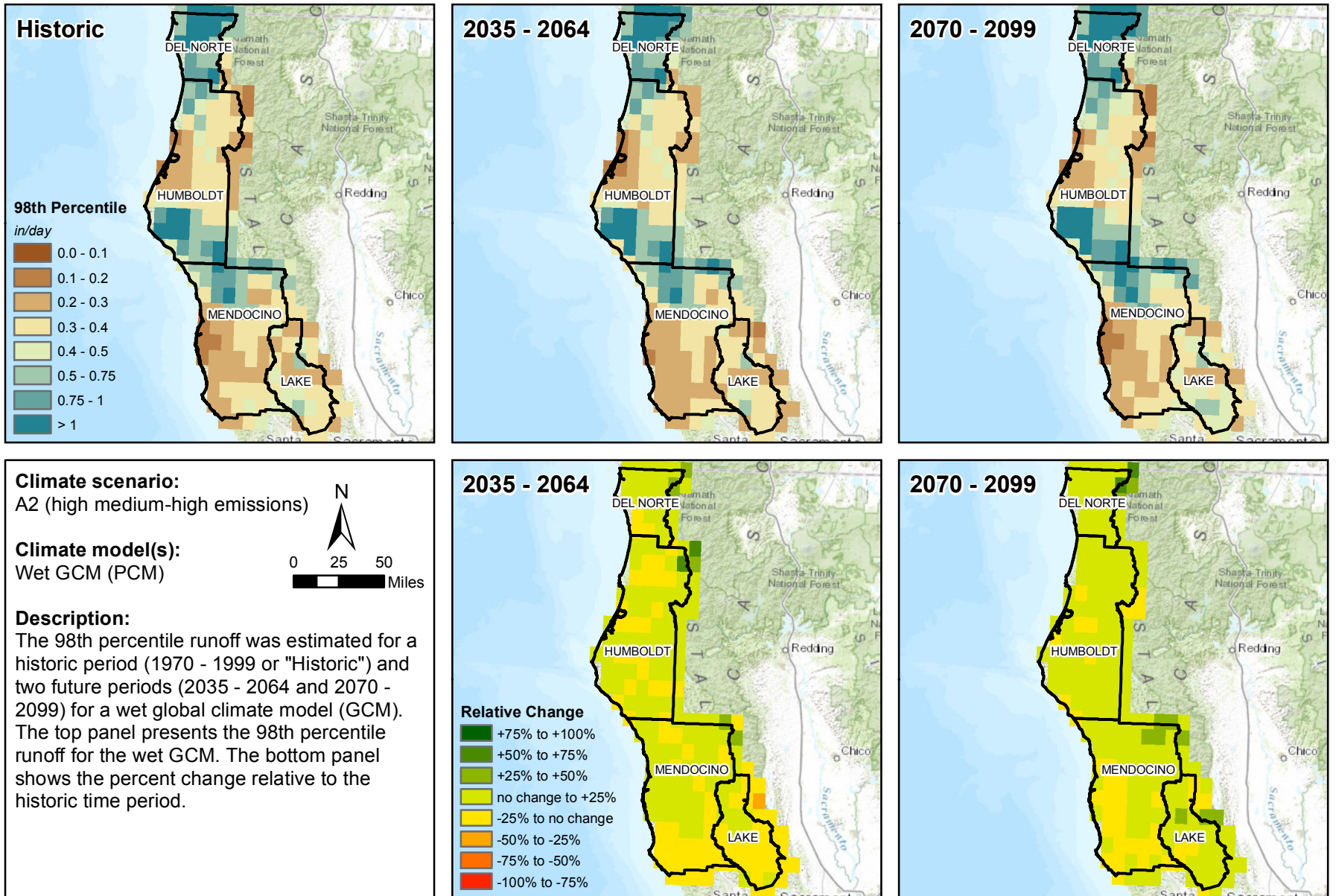


S:\GIS\130588_HCAOG-ClimateChange\MXDs\Figures\Runoff_98Percentile_16Jun2014.mxd

SOURCE: Cal Adapt, 2014

Caltrans District 1 Climate Change Pilot Study . 130588.00

Figure 16
98th Percentile Runoff: Average Values and Relative Change for Scenario B1, All Models

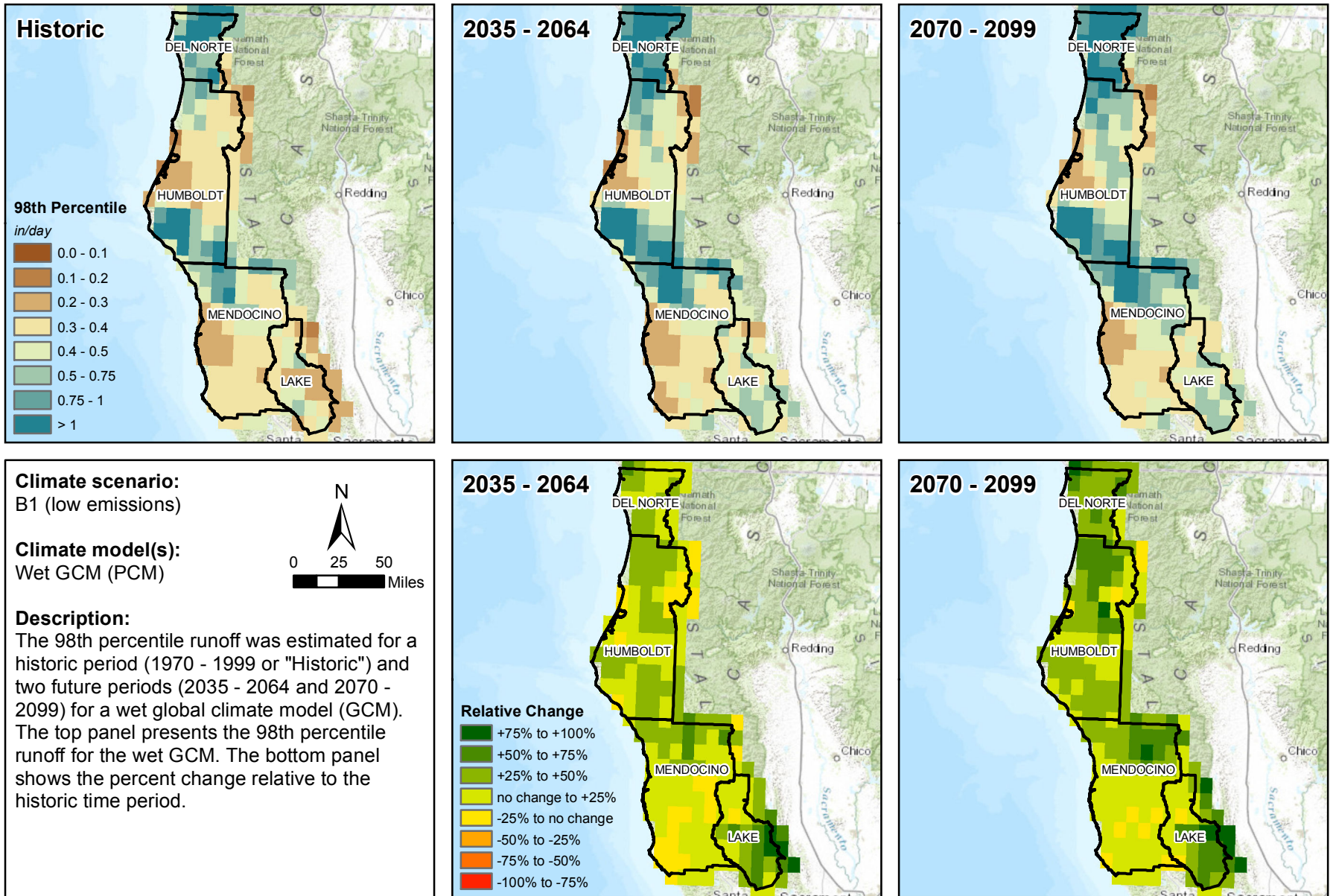


S:\GIS\130588_HCAOG-ClimateChange\MXDs\Figures\Runoff_98Percentile_16Jun2014.mxd

SOURCE: Cal Adapt, 2014

Caltrans District 1 Climate Change Pilot Study . 130588.00

Figure 17
98th Percentile Runoff: Average Values and Relative Change for Scenario A2, Wet Model



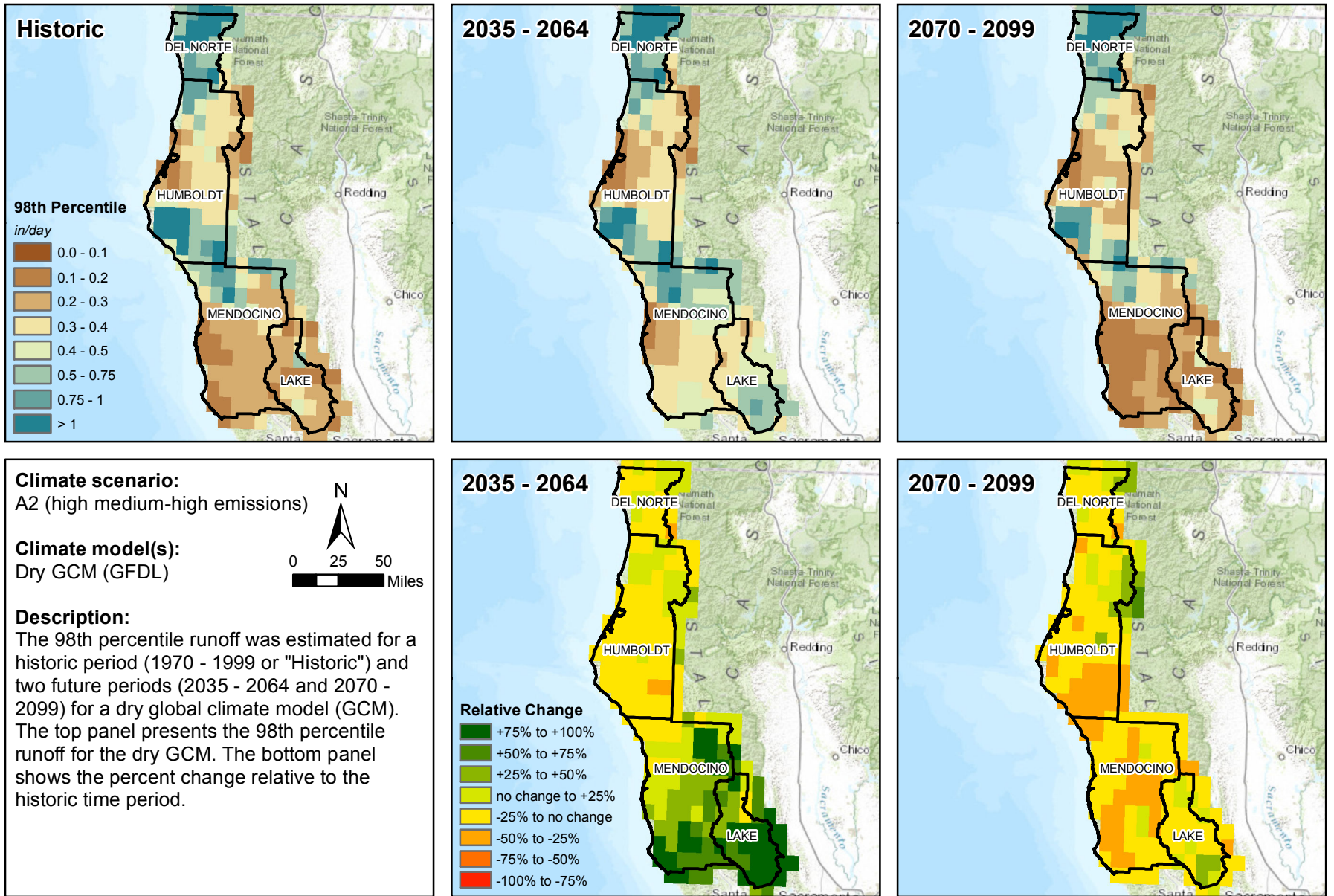
S:\GIS\130588_HCAOG-ClimateChange\MXDs\Figures\Runoff_98Percentile_16Jun2014.mxd

SOURCE: Cal Adapt, 2014

Caltrans District 1 Climate Change Pilot Study . 130588.00

Figure 18

98th Percentile Runoff: Average Values and Relative Change for Scenario B1, Wet Model



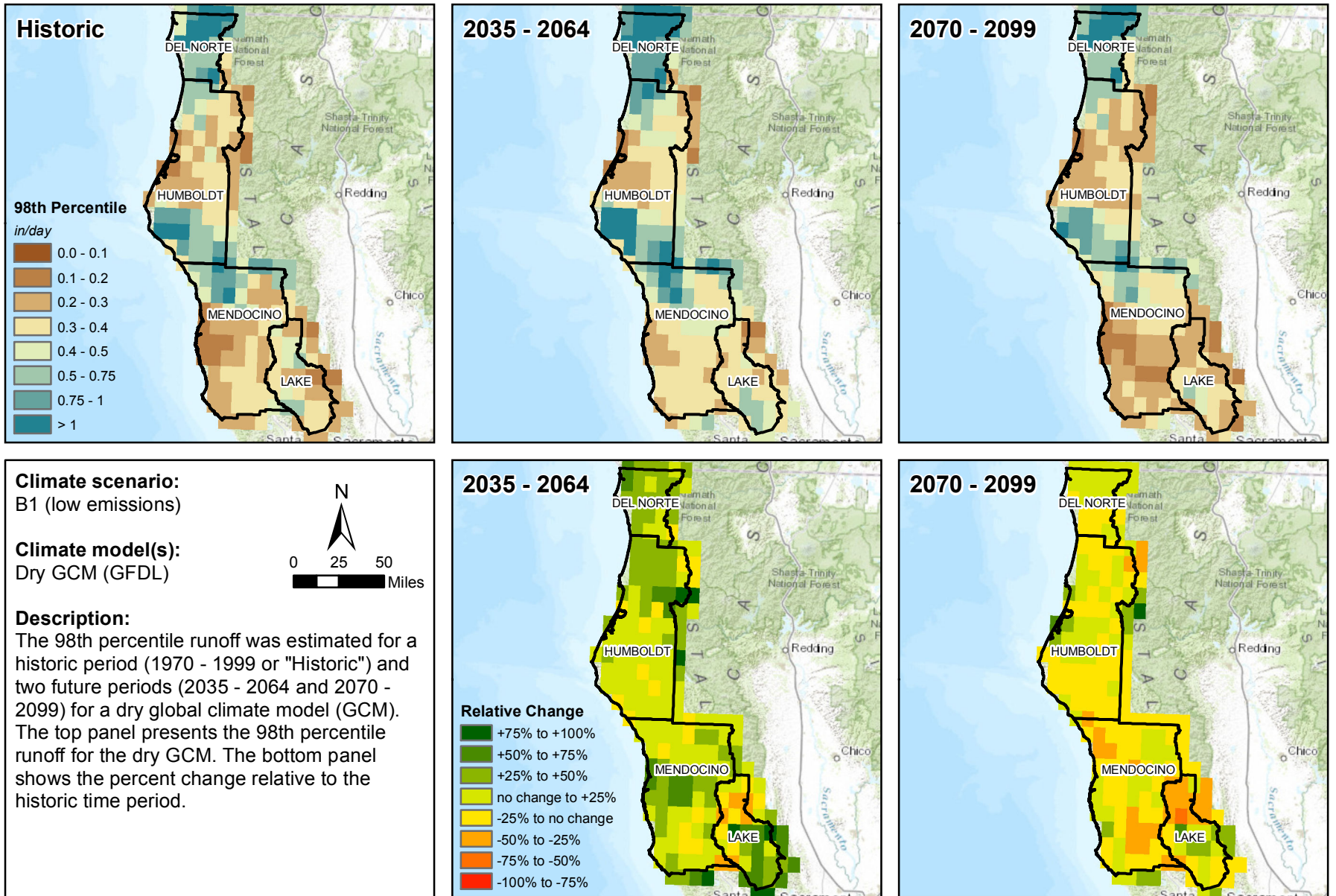
S:\GIS\130588_HCAOG-ClimateChange\MXDs\Figures\Runoff_98Percentile_16Jun2014.mxd

SOURCE: Cal Adapt, 2014

Caltrans District 1 Climate Change Pilot Study . 130588.00

Figure 19

98th Percentile Runoff: Average Values and Relative Change for Scenario A2, Dry Model

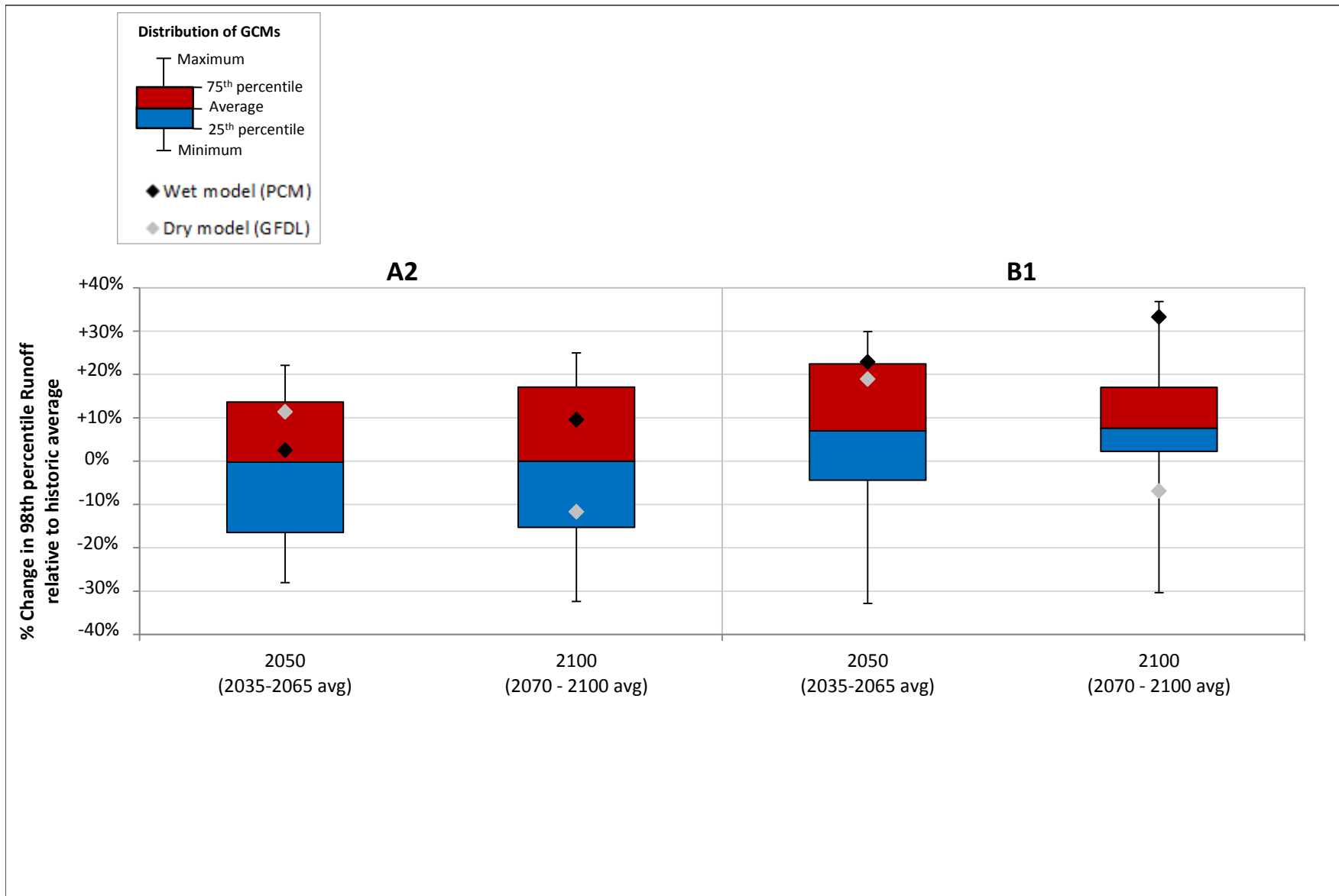


S:\GIS\130588_HCAOG-ClimateChange\MXDs\Figures\Runoff_98Percentile_16Jun2014.mxd

SOURCE: Cal Adapt, 2014

Caltrans District 1 Climate Change Pilot Study . 130588.00

Figure 20
98th Percentile Runoff: Average Values and Relative Change for Scenario B1, Dry Model



SOURCE: WCRP CMIP3 downscaled data

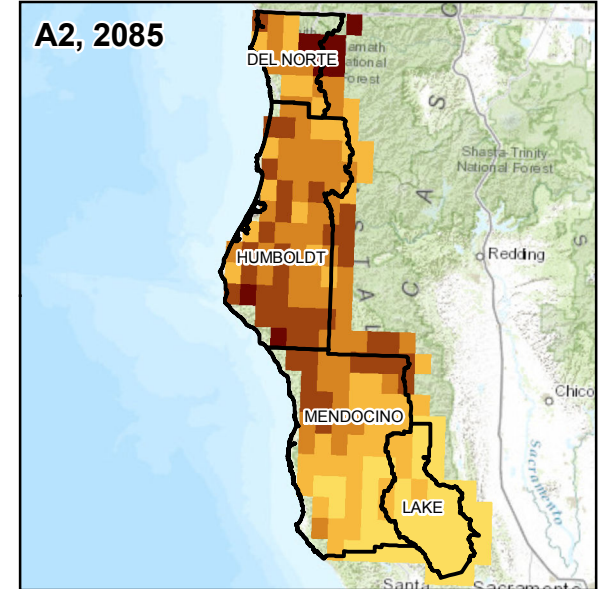
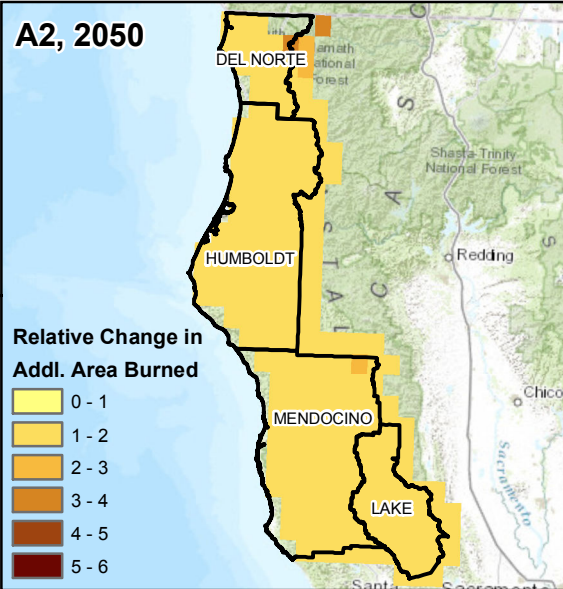
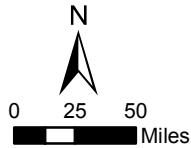
Figure 21

Change in Extreme Runoff Over Time for Multiple GCMs - District 1 Average

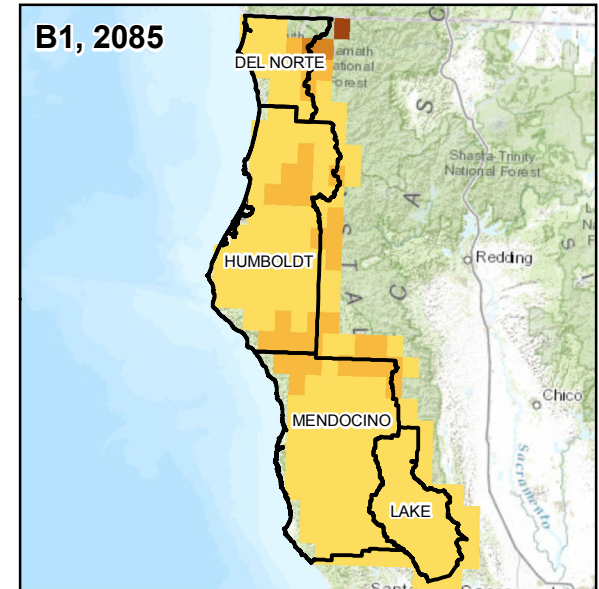
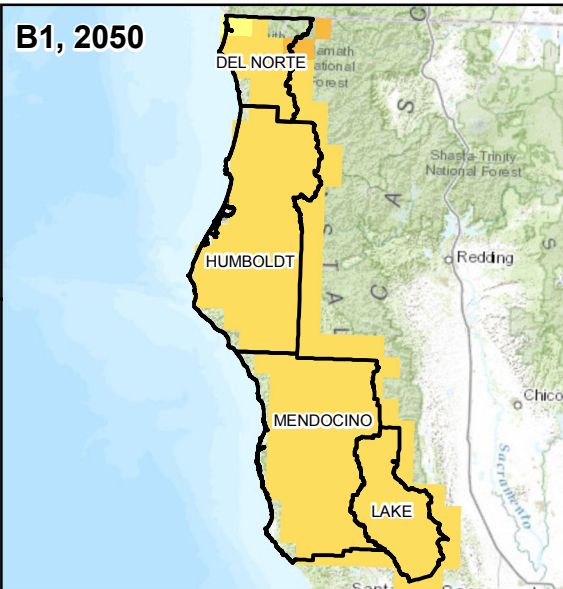
Climate scenario:
top panel: A2 (high medium-high emissions)
bottom panel: B1 (low emissions)

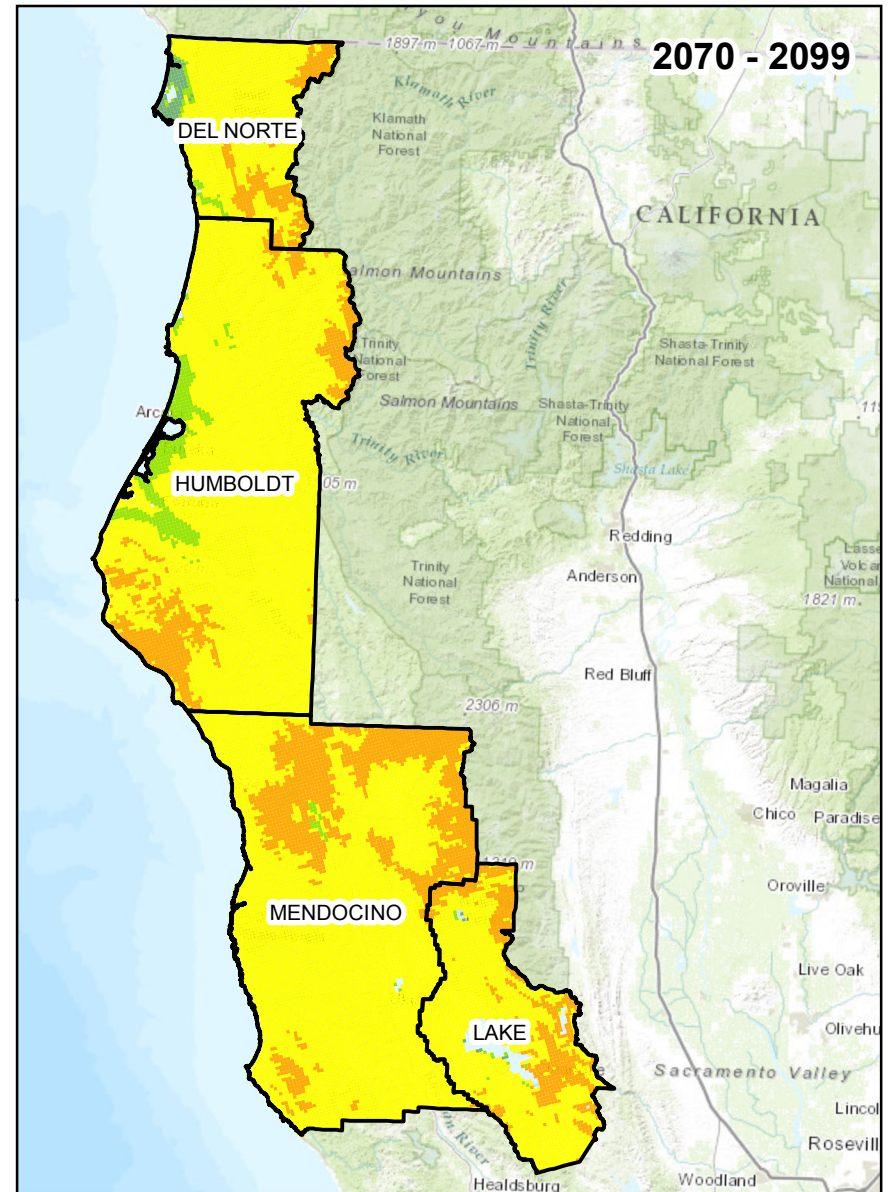
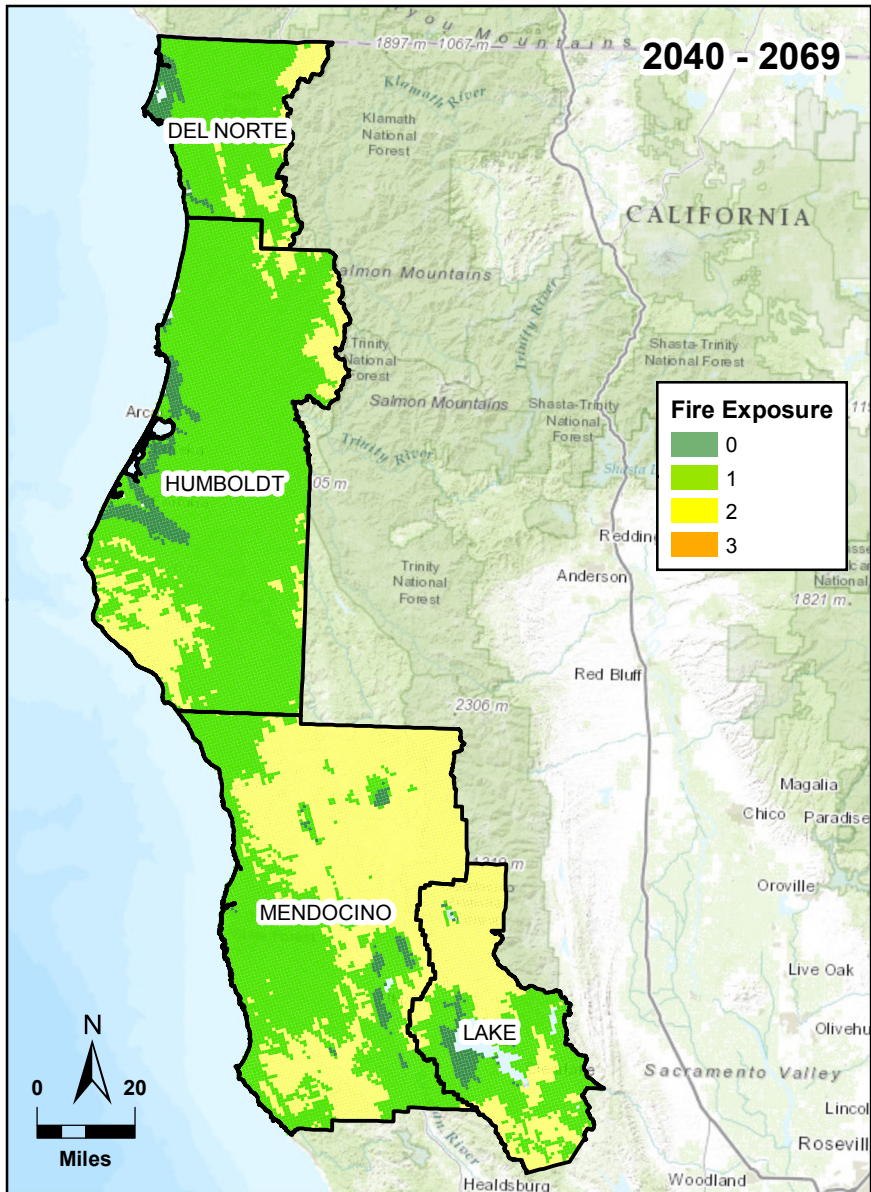
Climate model(s):
 Average of three models

Description:
 These maps show the relative change in burned area compared to existing fire risk, based on the average of three global climate model (GCM) projections.



Note:
 Fire risk data was downloaded from the CalAdapt website (<http://cal-adapt.org/fire/>). Only relative change (i.e. 3-fold increase in burned area) was available for download. These results were modeled solely on climate projections and do not take landscape and fuel sources into account.





G:\130588_HCAOG-ClimateChange\MXD\Figures\Fire Exposure_23May2014.mxd

Figure 23
Fire Exposure Level (DWR 2014)



SOURCE: PWA 2008 and Pacific Institute 2009

Figure 24
Example of Coastal Hazard Zones at Point Arena

