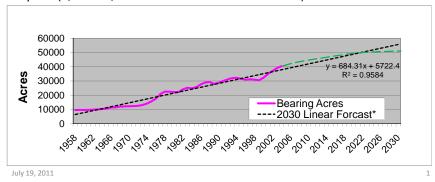
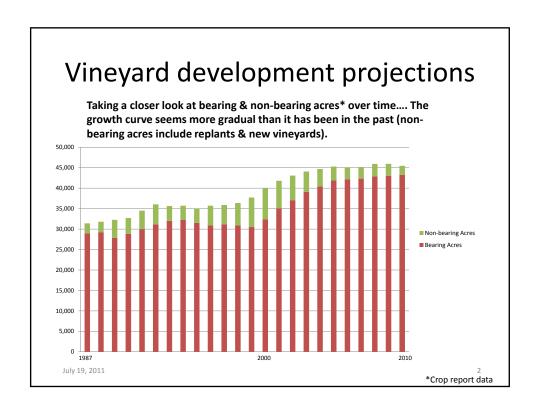
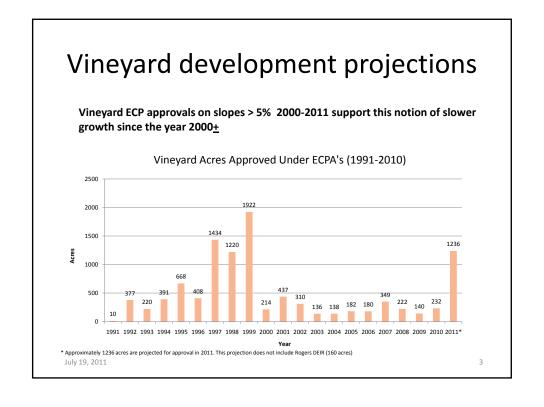
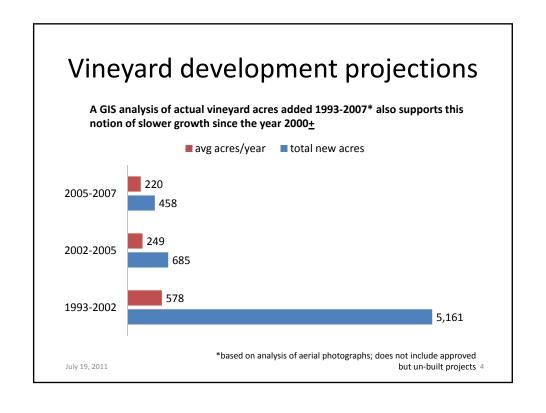
## Vineyard development projections

- The General Plan projection was based on Ag Commissioner data ("bearing acres" from 1958-2004 crop reports)
- It assumed that the pace of development will gradually slow, but 10,000 to 12,500 acres will be developed between 2005 and 2030
- This translates into 400-500 ac/year in the early years, and less in the out years (6,000 7,500 acres between 2005 and 2020).









## Vineyard development projections

## **Conclusions:**

- There is evidence that the rate of vineyard approvals and the rate of vineyard construction is less than projected in the General Plan
- A more robust projection, taking into account economic factors and development constraints is clearly warranted
- In the meantime, the data about acreage approved per year and the GIS analysis of aerial photos suggests we can safely assume 250-300 acres/year on average in the near term
- We can also use the GIS analysis of aerial photos and the vegetation data layer to project the impact of new vineyards on land cover types

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## Vineyard development projections

Background: to analyze the impacts of projected vineyard development in the General Plan, the EIR developed four hypothetical scenarios (because the location of future vineyard development is unknown)

- One scenario was designed to be consistent with the Water 2050 study and put 75% of the growth in the Napa River Basin
- One scenario was designed to test "worst case" impacts on domestic water supply watershed and was concentrated in the eastern hills
- One scenario was designed to test "worst case" impacts on timberland and was concentrated in timberland areas

(The fourth scenario was designed to test impacts on slopes of >35%, a policy idea that was rejected, so this scenario can be ignored)

None of these scenarios were considered likely outcomes, and we think it's possible to use our GIS data to develop a more reasonable projection of land cover types that will be impacted by vineyard development in the future.

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