PLACER MOSQUITO & VECTOR CONTROL DISTRICT

Rice Cultivation and Mosquitoes

ARB Rice Cultivation Compliance Offset Protocol
3rd Technical Working Group Meeting

October 1, 2013

Joel Buettner, General Manager

District Mission

"To effectively and efficiently manage the risks from vectors and vector-borne disease in order to protect public health and quality of life in Placer County"

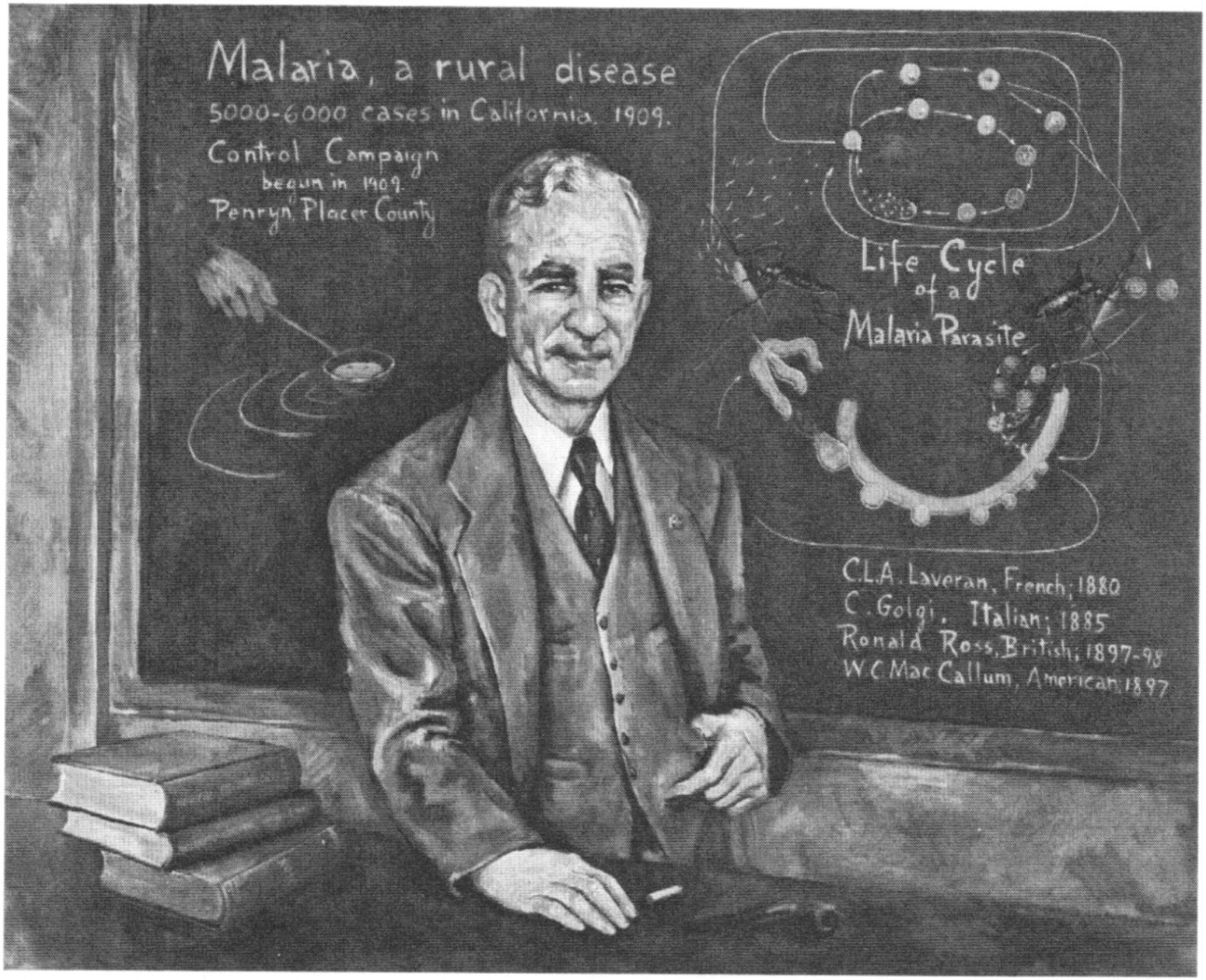

Figure 8.1. Portrait of William Herms presented on February 7, 1949. Reproduction courtesy of Bancroft Library, University of California, Berkeley.

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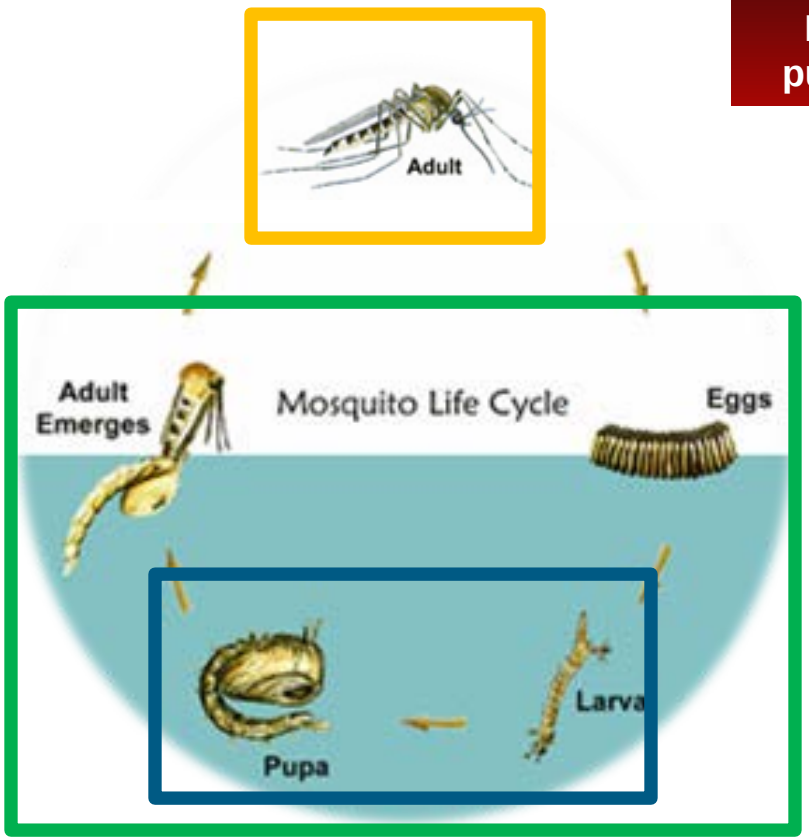
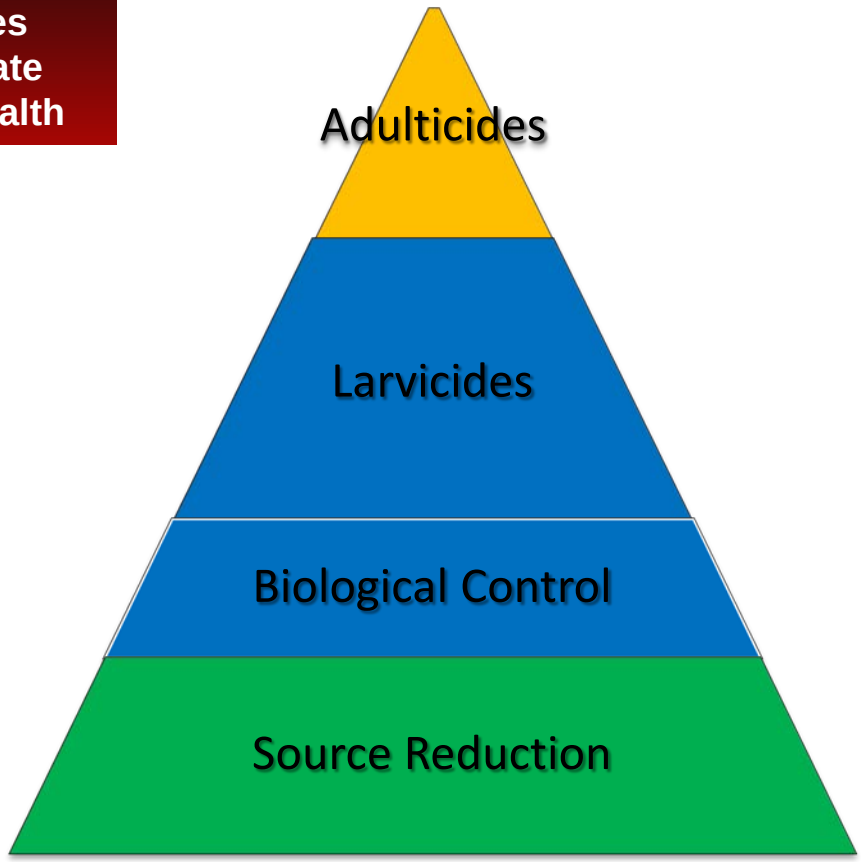
Mosquito Life Cycle



Integrated Pest Management

Reduces Immediate public health



Prevents Public Health Threats

Protecting Public Health since 2001

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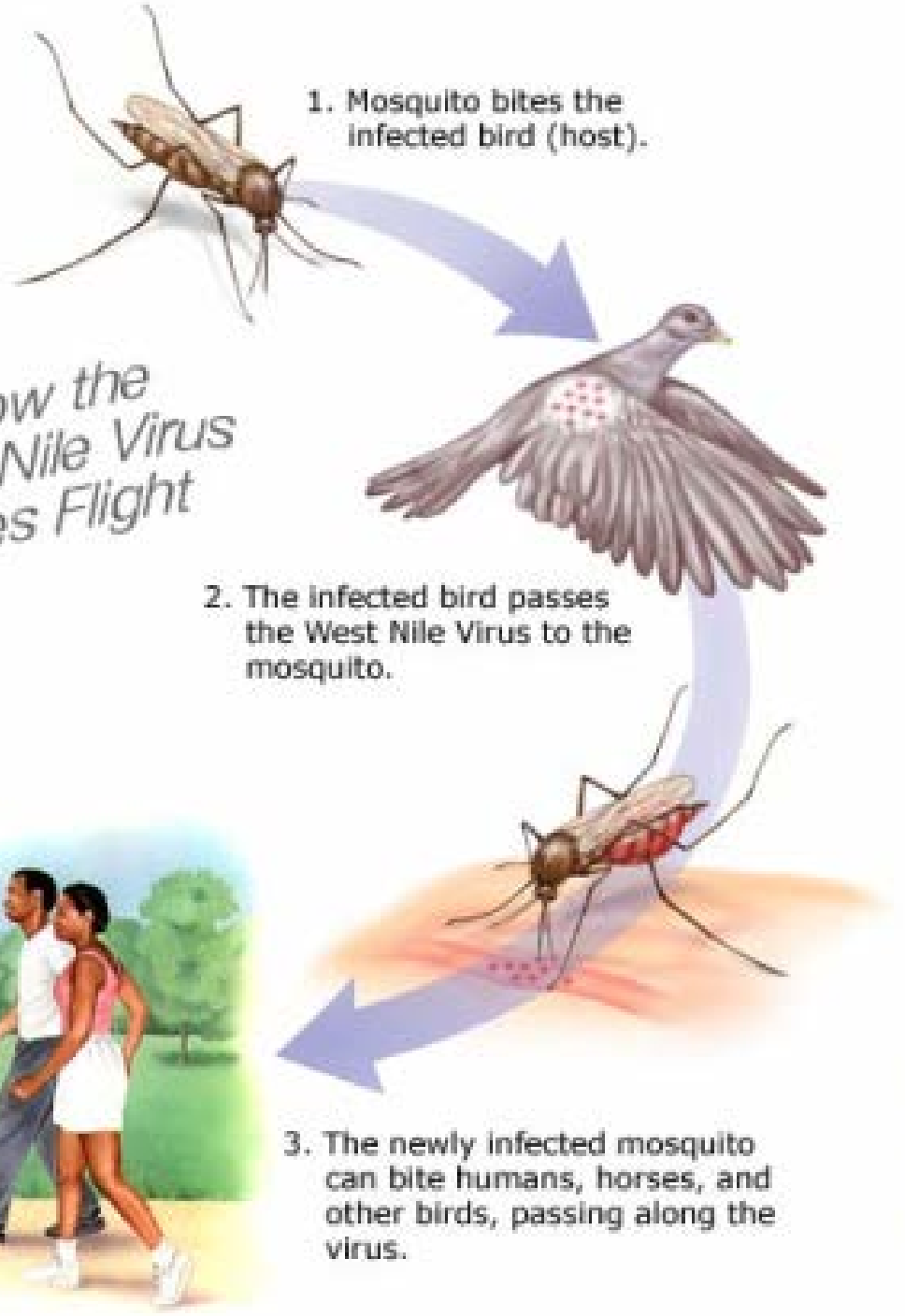
How the West Nile Virus Takes Flight



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Mosquito Reduction Best Management Practices (BMPs)

1. Reduce or eliminate **standing water** where feasible
2. Reduce or manage **emergent vegetation** to limit vector production and enhance control measures
3. Ensure timely **access** to mosquito sources for inspection and appropriate treatment
4. Provide timely **information** to District to coordinate water management with mosquito prevention and treatment operations

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Protecting Public Health since 2001

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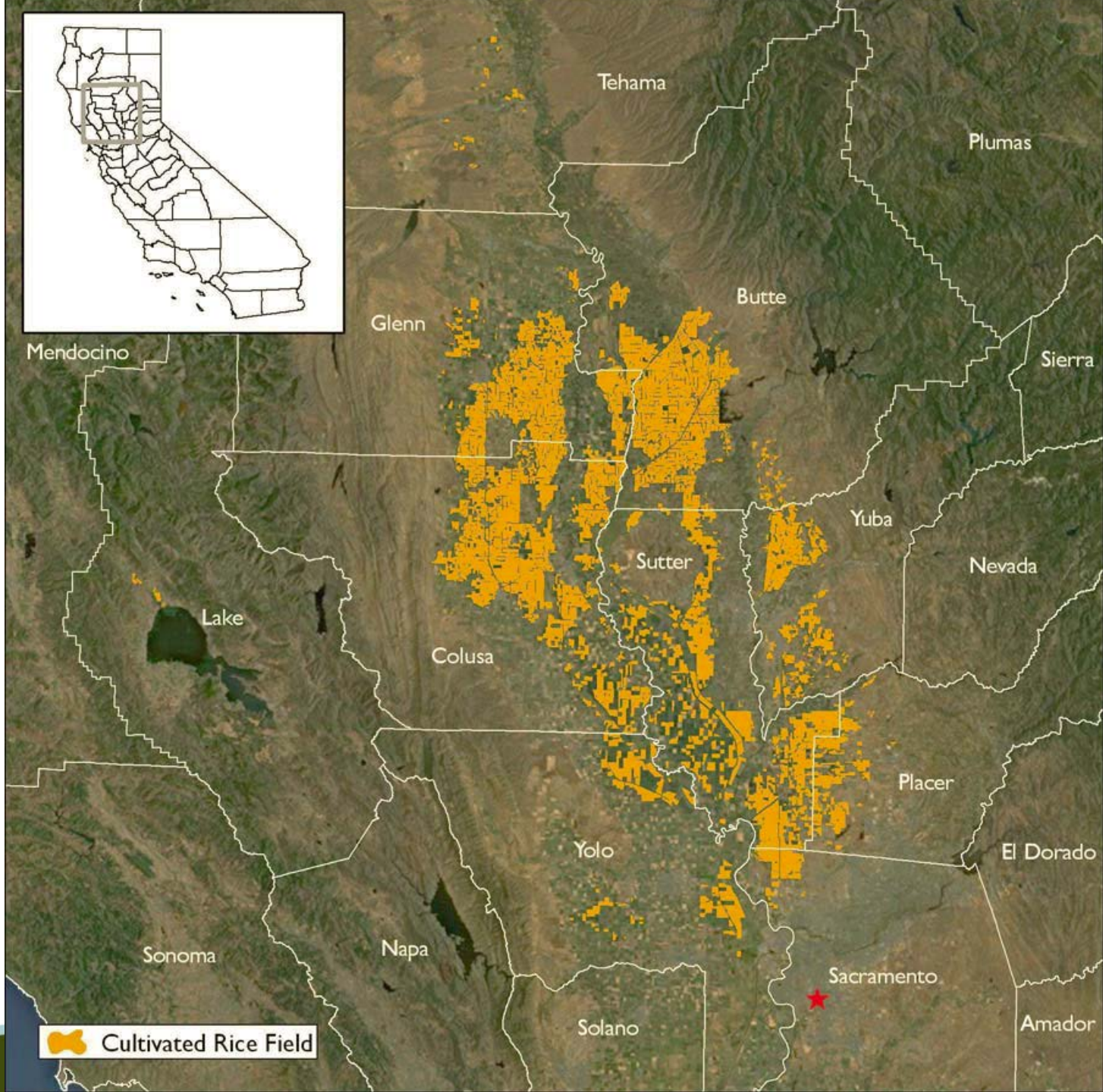

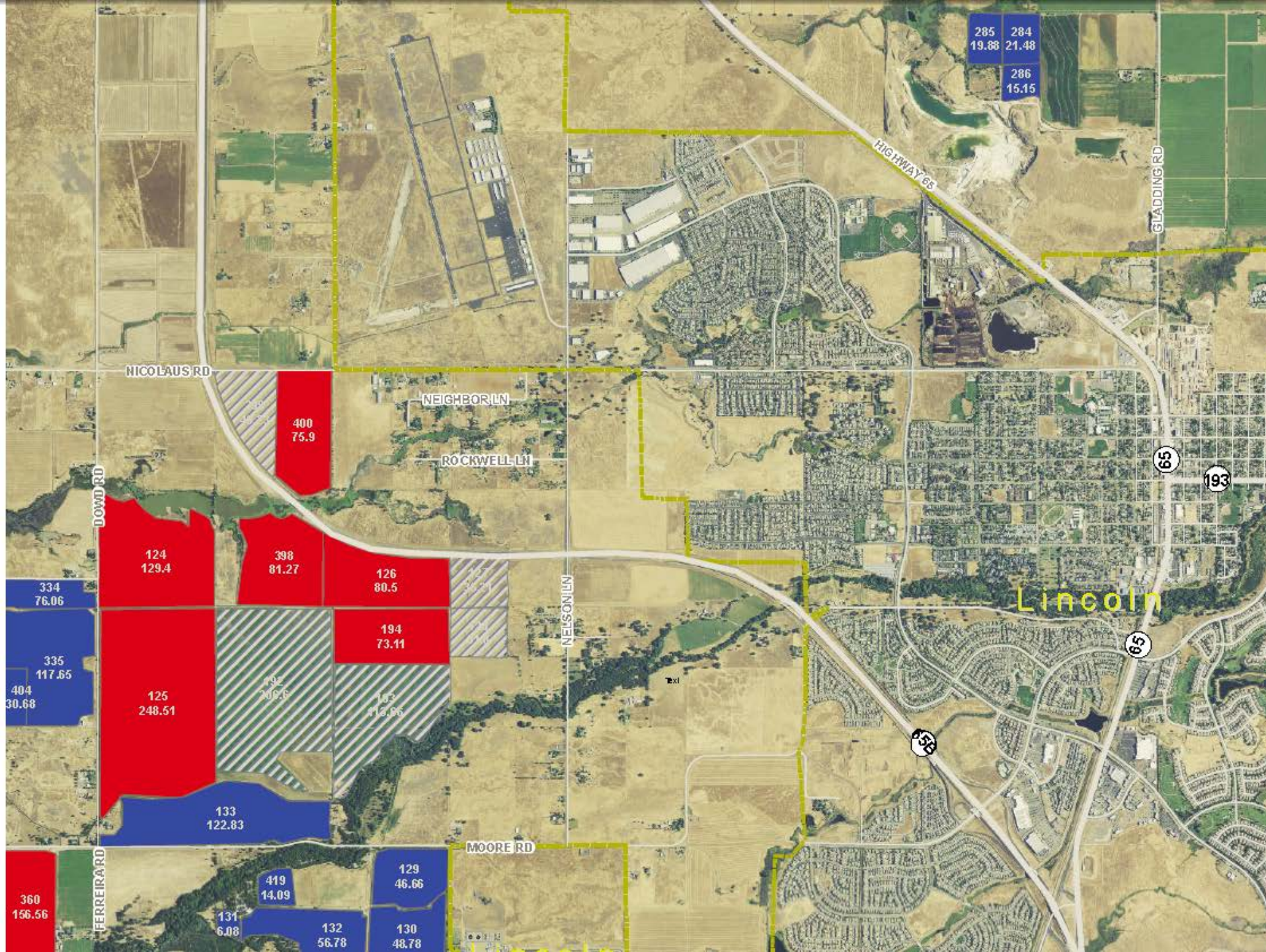
285
19.88
284
21.48
286
15.15
HIGHWAY 65
GLADDING RD
NICOLAUS RD
NEIGHBOR LN
ROCKWELL LN
400
75.9
DOWD RD
124
129.4
398
81.27
126
80.5
334
76.06
335
117.65
404
30.68
194
73.11
125
248.51
133
122.83
NELSON LN
MOORE RD
FERREIRA RD
360
156.56
419
14.09
129
46.66
131
6.08
132
56.78
130
48.78
Lincoln
65
193
65
Texl

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Mosquito Reduction BMPs for Rice

- Notify MVCD regarding location of active and fallow fields prior to flooding. Specify organic or conventional production.
- Inspect and repair levees and control structures to minimize seepage
- Minimize emergent vegetation (weeds) along levees, on exterior areas of the field, and in fallow fields.
- Notify MVCD prior to any pesticide applications that may be toxic to mosquito fish or contain propanil.
- Maintain borrow pits (12"-18" deep) on both sides of each check throughout rice fields to provide refuge for mosquito fish during low water periods. –ORGANIC RICE