

Data collected pursuant to EPA-Dairy Agreement

Yakima Valley, Washington



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10

In the Matter of:)	ADMINISTRATIVE
)	ORDER ON CONSENT
Yakima Valley Dairies)	
)	
Cow Palace, LLC;)	Proceeding under Section 1431(a)
D & A Dairy, LLC (also known as D and)	of the Safe Drinking Water Act,
A Dairy L.L.C.), George DeRuyter & Son)	42 U.S.C. § 300i(a)
Dairy, L.L.C., and George & Margaret,)	
L.L.C.;)	
Liberty Dairy, LLC, and its associated Dairy)		
Facility H & S Bosma Dairy)	Docket No. SDWA-10-2013-0080
)	
<u>Respondents</u>)	

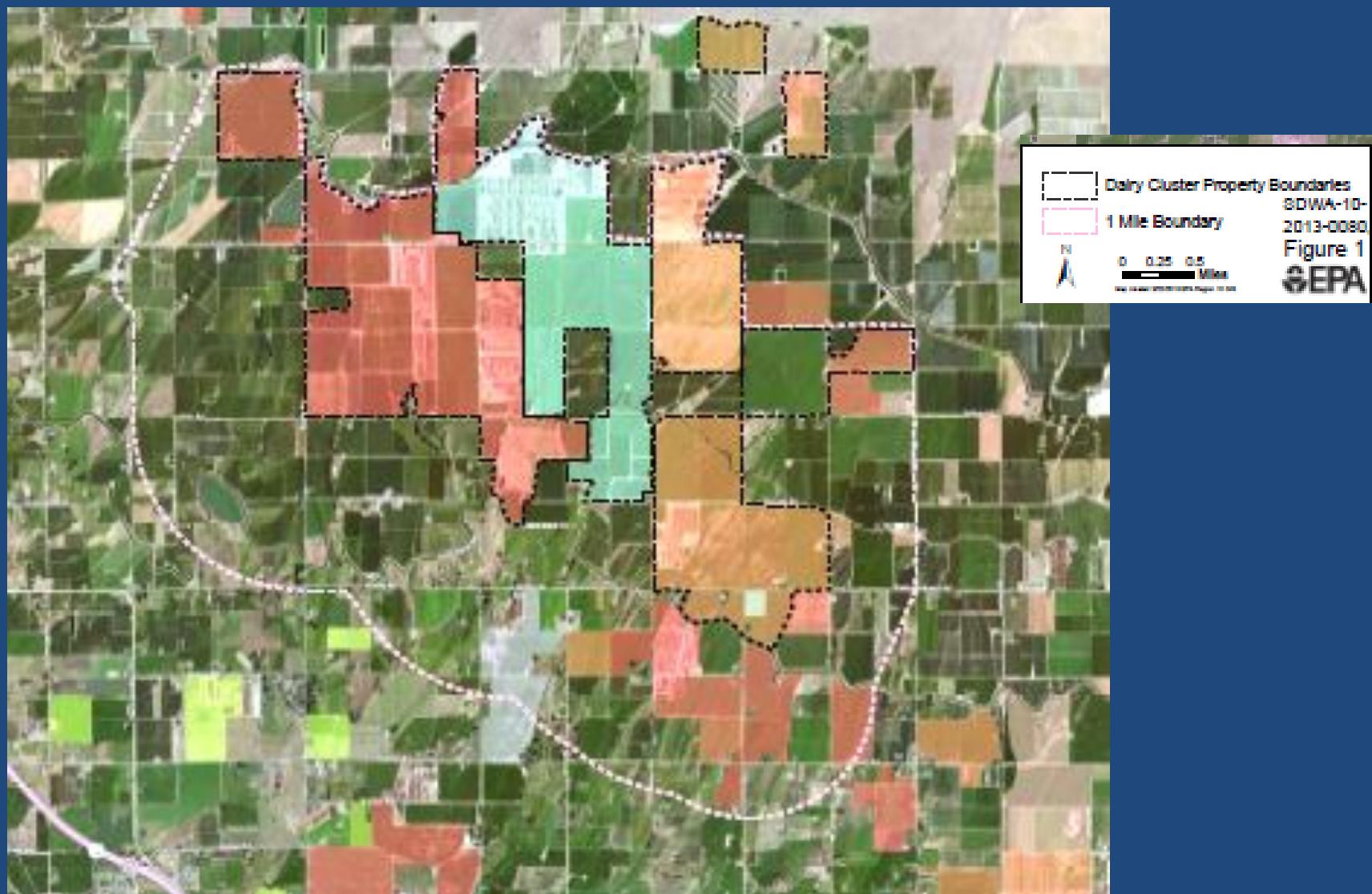
TABLE OF CONTENTS

I. STATUTORY AUTHORITY	2
II. STIPULATIONS	2
III. PARTIES BOUND	3
IV. DEFINITIONS	3
V. EPA'S FINDINGS OF FACT	4
VI. CONCLUSIONS OF LAW	7
VII. WORK TO BE PERFORMED	8
VIII. ADDITIONAL WORK	10
IX. ACCESS TO PROPERTY AND INFORMATION	10
X. RECORD RETENTION	12
XI. DISPUTE RESOLUTION	12
XII. FORCE MAJEURE	13
XIII. STIPULATED PENALTIES	14
XIV. RESERVATIONS AND GENERAL PROVISIONS	16
XV. MODIFICATIONS	17
XVI. TERMINATION AND SATISFACTION	18
XVII. INTEGRATION/APPENDICES	18
XVIII. EFFECTIVE DATE	18

Data Generated Pursuant to Agreement

- 1) Residential Well Sampling
- 2) Monitoring Well establishment and sampling
- 3) Sampling associated with source control

Residential Well Sampling



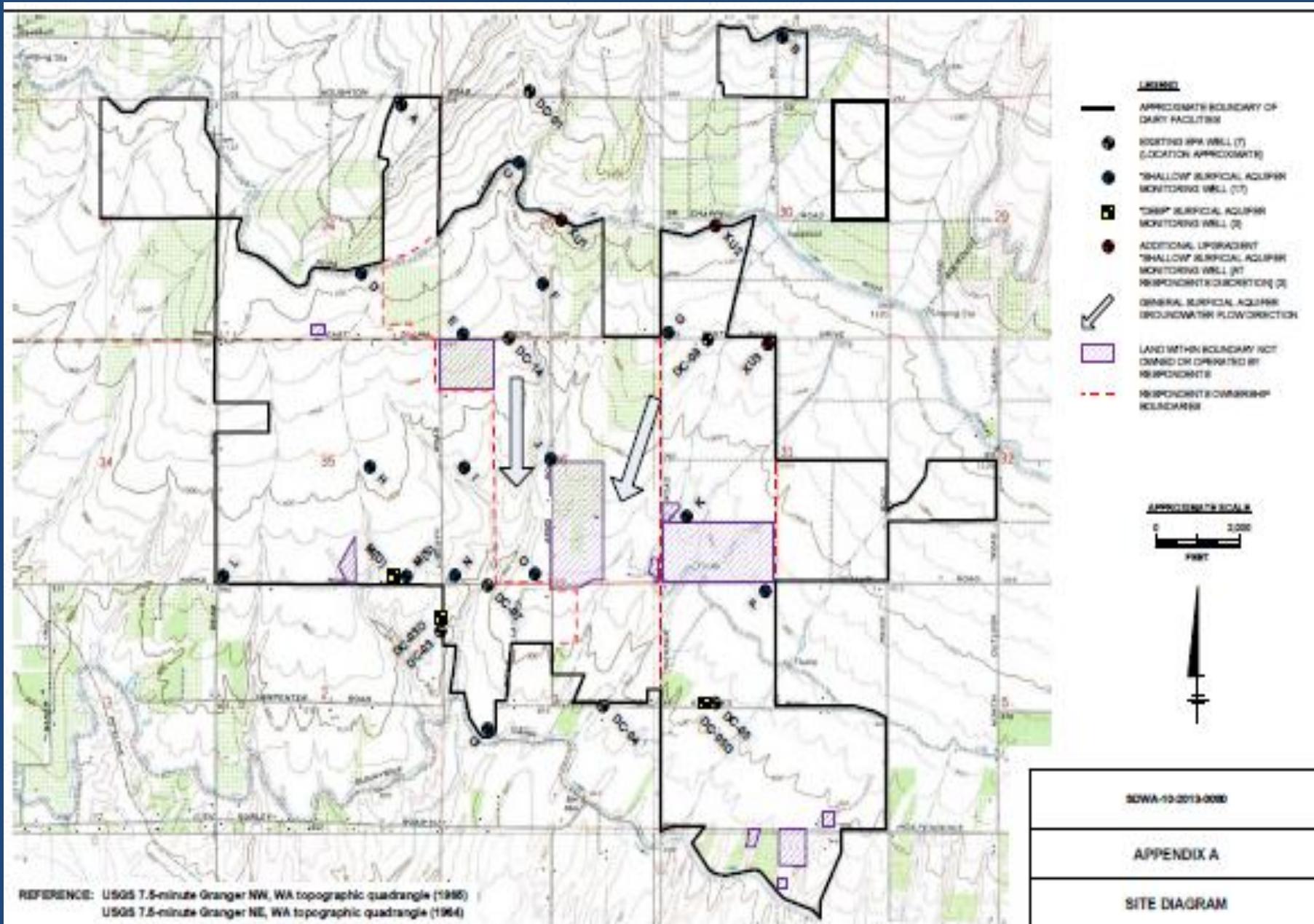
Source Control

Early **source control** actions to reduce nitrate loading to the aquifer

- Soil sampling in application fields and manure testing
- Test lagoons to ensure they meet current state permeability standard
- Irrigation water management – water metering and root-zone sensors
- Assessment of area upgradient of monitoring well with 190 ppm nitrate

Monitoring wells

- 16 wells in addition to EPA's 7 wells = 23 wells
- 3 year review
- 8 years of quarterly monitoring
- Additional source control and monitoring may be required



Overview of Data to be Collected

- Residential well sample results from 178 homes
- Soil boring information from new monitoring wells
- Quarterly groundwater monitoring data
- Pressure transducer data from some monitoring wells
- Pre-planting and post-harvest soil samples
- Twice yearly samples of manure
- Seepage rate data for some lagoons

What form will the data be in?

- Monthly reports
- Annual reports
- Other technical reports

Will these reports be posted online?

Yes

Questions?

The AOC and Statement of work can be viewed online at:

<http://yosemite.epa.gov/r10/water.nsf/gwpu/lyakimagw>