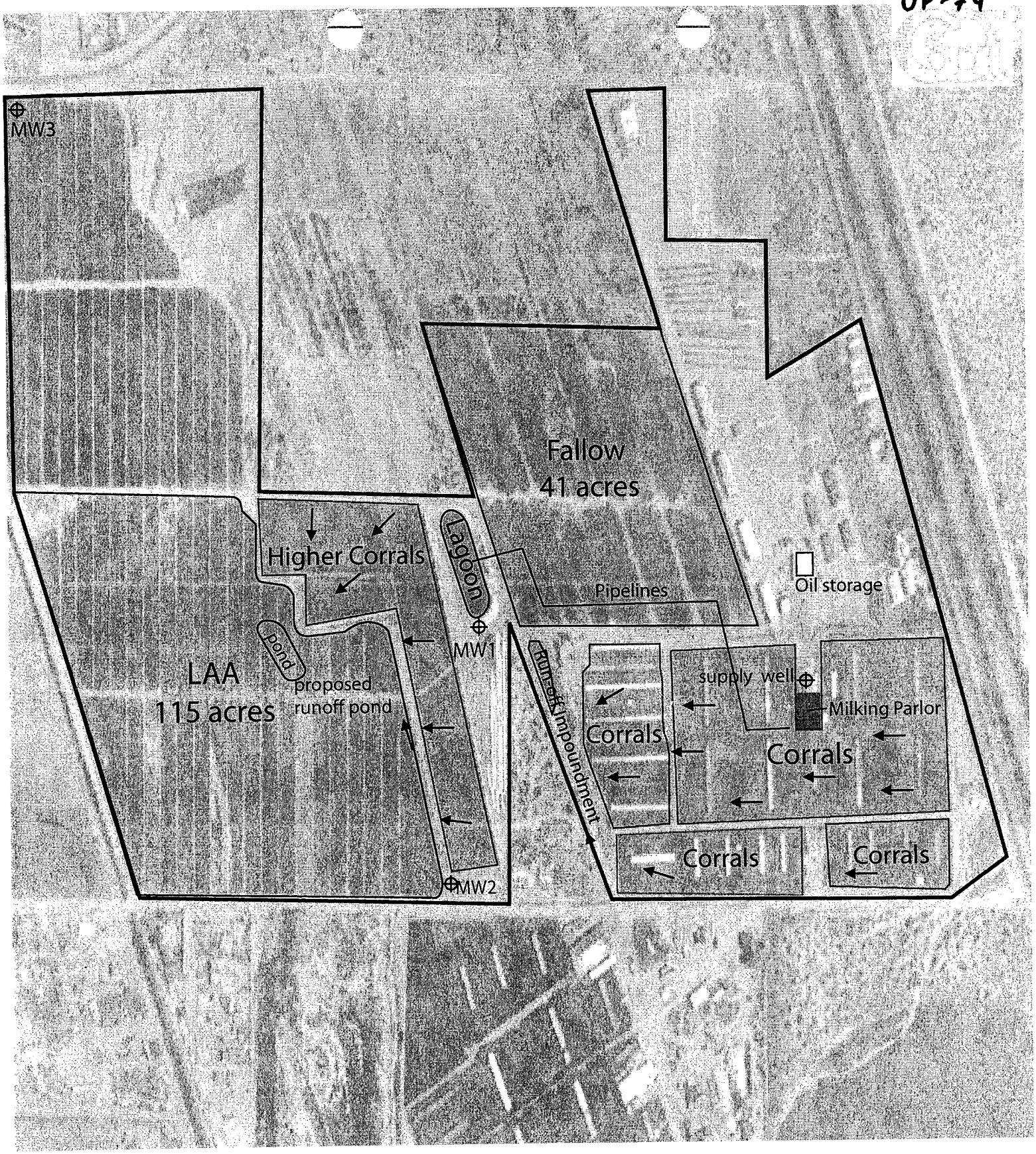
DP-74



Buena Vista II Dairy

N

500 0 500 1000 Feet

← drainage direction

DP-74

GROUND WATER

JAN 25 2010

BUREAU

Archana, Inc
Environmental and Geotechnical Engineering Consultants

Client Information:
Buena Vista Dairy No. 2
P. O. Box 346
Mesquite, New Mexico 88048
ATTN: Mr. Mike Weatherly

Laboratory Project No: 121409026
Sample Collection Date: 12-14-09
Report Date: 01-14-10

Report of Monitoring of Wells, Lagoons, and Analytical Record

Laboratory ID	Sample Collection Date	Well or Lagoon No.	Well dia. (In.)	Depth to water surface (Ft.)	Total depth of the well (Ft.)	Nitrate (as N) (mg/l)	Total Kjeldahl Nitrogen (as N) (mg/l)	Chloride (mg/l)	Total dissolved Solids (mg/l)
121409026-1	12/14/09	74-1	4	31.17	47.10	84	0.14	750	2480
121409026-2	12/14/09	74-2	4	11.98	20.75	14.6	0.14	770	2452
121409026-3	12/14/09	74-3	4	10.31	20.80	14.1	ND	1550	4560
121409026-4	12/14/09	74-4	4	43.82	60.80	11.5	ND	560	1738
121409026-5	12/14/09	74-5	4	36.56	58.50	15.9	ND	600	1924
121409026-6	12/14/09	Lagoon	4	N/A	N/A	30	128.8	750	3640

ND: Not detected
NA: Not Applicable

Additional Information:

Parameter:	**Method Ref:**	**Date Analyzed:**	**Analyst:**
Nitrate (as N)	Cadmium Reduction	12-15-09	Joseph Limon
Total Kjeldahl Nitrogen (as N)	SM 4500N org B	12-30-09	Joseph Limon
Chloride	SM 4500-Cl-B	12-28-09	Joseph Limon
Total dissolved Solids	SM 2540 C	12-18-09	Joseph Limon

Pratap G. Reddy, Ph.D., P.E.
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Environmental and Geotechnical Engineering Consultants

Client Information:
Buena Vista Dairy No. 2
P. O. Box 346
Mesquite, New Mexico 88048
ATTN: Mr. Mike Weatherly

Laboratory Project No: 060209006
Sample Collection Date: 06-02-09
Report Date: 07-07-09

Report of Monitoring of Wells, Lagoons, and Analytical Record

Laboratory ID	Sample Collection Date	Well or Lagoon No.	Well dia. (In.)	Depth to water surface (Ft.)	Total depth of the well (Ft.)	Nitrate (as N) (mg/l)	Total Kjeldahl Nitrogen (as N) (mg/l)	Chloride (mg/l)	Total dissolved Solids (mg/l)
060209006-1	06-02-09	74-1	4	31.20	47.10	33.2	ND	650	2632
060209006-2	06-02-09	74-2	4	12.01	20.75	17.6	0.84	820	4866
060209006-3	06-02-09	74-3	4	10.30	20.80	2.9	ND	1590	1782
060209006-4	06-02-09	74-4	4	43.83	60.80	7.2	ND	570	2024
060209006-5	06-02-09	74-5	4	36.56	58.50	10.8	ND	560	2068
060209006-6	06-02-09	Lagoon	4	N/A	N/A	19.4	103.6	650	2100

ND: Not detected
NA: Not Applicable

Additional Information:

Parameter:	**Method Ref:**	**Date Analyzed:**	**Analyst:**
Nitrate (as N)	SW 9056	06-05-09	Alamo Laboratories
Total Kjeldahl Nitrogen (as N)	SM 4500N org B	06-22-09	Joseph Limon
Chloride	SM 4500-Cl-B	06-08-09	Joseph Limon
Total dissolved Solids	SM 2540 C	06-05-09	Joseph Limon

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Client Information:
Buena Vista Dairy No. 2
P. O. Box 346
Mesquite, New Mexico 88048
ATTN: Mr. Mike Weatherly

Laboratory Project No: 032608036
Sample Collection Date:03-26-08
Report Date: 04-21-08

Report of Monitoring of Wells, Lagoons, and Analytical Record

Laboratory ID	Sample Collection Date	Well or Lagoon No.	Well dia. (In.)	Depth to water surface (Ft.)	Total depth of the well (Ft.)	Nitrate (as N) (mg/l)	Total Kjeldahl Nitrogen (as N) (mg/l)	Chloride (mg/l)	Total dissolved Solids (mg/l)
032608036-1	03-26-08	74-01	4	31.8	45.6	47	ND	648	2464
032608036-2	03-26-08	74-02	4	12.1	21.2	48	3.64	986	3264
032608036-3	03-26-08	74-03	4	12.8	20.5	ND	ND	1360	4520
032608036-4	03-26-08	Lagoon	N/A	N/A	N/A	0.8	271.6	630	5648

ND-Not Detected

Additional Information:

Parameter:	**Method Ref:**	**Date Analyzed:**	**Analyst:**
Nitrate (as N)	EPA 353.2	04-14-08	Energy Laboratory
Total Kjeldahl Nitrogen (as N)	EPA 351.3	03-31-08	Deepthi M
Chloride	EPA 325.2	03-28-08	Deepthi M/Ivy
Total dissolved Solids	EPA 160.1	03-27-08	Deepthi M

Susana Rivera, B.S
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Client Information:
Buena Vista Dairy No. 2
P. O. Box 346
Mesquite, New Mexico 88048
ATTN: Mr. Mike Weatherly

Laboratory Project No: 030309007
Sample Collection Date: 03-03-09
Report Date: 03-27-09

Report of Monitoring of Wells, Lagoons, and Analytical Record

Laboratory ID	Sample Collection Date	Well or Lagoon No.	Well dia. (In.)	Depth to water surface (Ft.)	Total depth of the well (Ft.)	Nitrate (as N) (mg/l)	Total Kjeldahl Nitrogen (as N) (mg/l)	Chloride (mg/l)	Total dissolved Solids (mg/l)
030309007-1	03-03-09	74-1	4	31.30	47.10	43.8	ND	735	2666
030309007-2	03-03-09	74-2	4	12.15	20.75	45.1	ND	1265	4556
030309007-3	03-03-09	74-3	4	12.90	20.80	2.65	ND	1510	4664
030309007-4	03-03-09	74-4	4	43.95	60.80	20.3	ND	530	1884
030309007-5	03-03-09	74-5	4	36.60	58.50	33.2	ND	535	2038
030309007-6	03-03-09	Lagoon	4	N/A	N/A	2.65	21	375	1740

ND: Not detected
NA: Not Applicable

Additional Information:

Parameter:	**Method Ref:**	**Date Analyzed:**	**Analyst:**
Nitrate (as N)	E353.2	03-06-09	Alamo Laboratories
Total Kjeldahl Nitrogen (as N)	EPA 351.3	03-23-09	Maria. Petrikat
Chloride	EPA 325.2	03-16-09	Maria. Petrikat
Total dissolved Solids	EPA 160.1	03-09-09	Maria. Petrikat

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Environmental and Geotechnical Engineering Consultants

Client Information:
Buena Vista Dairy No. 2
P. O. Box 346
Mesquite, New Mexico 88048
ATTN: Mr. Mike Weatherly

Laboratory Project No: 092408055
Sample Collection Date: 09-24-08
Report Date: 10-17-08

Report of Monitoring of Wells, Lagoons, and Analytical Record

Laboratory ID	Sample Collection Date	Well or Lagoon No.	Well dia. (In.)	Depth to water surface (Ft.)	Total depth of the well (Ft.)	Nitrate (as N) (mg/l)	Total Kjeldahl Nitrogen (as N) (mg/l)	Chloride (mg/l)	Total dissolved Solids (mg/l)
092408055-1	09-24-08	74-1	4	31.65	47.10	41.2	ND	638	2280
092408055-2	09-24-08	Lagoon	4	N/A	N/A	ND	81.2	204	3080
092408055-3	09-24-08	74-2	4	12.18	20.75	52.5	ND	834	2732
092408055-4	09-24-08	74-3	4	13.50	20.80	.7	ND	1240	4466
092408055-5	09-24-08	74-4	4	43.98	60.80	23.2	ND	542	1758
092408055-6	09-24-08	74-5	4	58.50	36.90	38.8	ND	564	1980

ND: Not detected

Additional Information:

Parameter:	**Method Ref:**	**Date Analyzed:**	**Analyst:**
Nitrate (as N)	SM – 4500-NO3 E	10-14-08	Derrick Mott
Total Kjeldahl Nitrogen (as N)	EPA 351.3	10-06-08	Ivy A.
Chloride	EPA 325.2	10-01-08	Ivy A.
Total dissolved Solids	EPA 160.1	10-02-08	Derrick Mott

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Archana, Inc.

Client Information:
Buena Vista Dairy No. 2
P. O. Box 346
Mesquite, New Mexico 88048
ATTN: Mr. Mike Weatherly

Laboratory Project No: 091104016
Sample Collection Date: 09-11-04
Report Date: 09-29-04

Report of Monitoring of Wells, Lagoons, and Analytical Record

Laboratory ID	Sample Collection Date	Well or Lagoon No.	Well dia. (In.)	Depth to water surface (Ft.)	Total depth of the well (Ft.)	Nitrate (as N) (mg/l)	Total Kjeldahl Nitrogen (as N) (mg/l)	Chloride (mg/l)	Total dissolved Solids (mg/l)
091104016-1	09-11-04	Well # 1	4	32.5	45.8	62.8	0.28	995	3008
091104016-2	09-11-04	Well #3	4	12.2	21.0	< 0.1	2.24	1055	4496
091104016-3	09-11-04	Well #2	4	15.0	13.5 23.5?	194.5	0.28	1610	4704
091104016-4	09-11-04	Lagoon	N/A	N/A	N/A	2.2	106.4	505	2384

Additional Information:

Parameter:	**Method Ref:**	**Date Analyzed:**	**Analyst:**
Nitrate (as N)	EPA 353.2	09-25-04	S. Emmert
Total Kjeldahl Nitrogen (as N)	EPA 351.3	09-18-04	S. Emmert
Chloride	EPA 325.2	09/2023/04	Y. Chee
Total dissolved Solids	EPA 160.1	09-14-04	Y. Chee

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Client Information:
Buena Vista Dairy No. 2
P. O. Box 346
Mesquite, New Mexico 88048
ATTN: Mr. Mike Weatherly

Laboratory Project No: 120707010
Sample Collection Date: 12-07-07
Report Date: 12-31-07

Report of Monitoring of Wells, Lagoons, and Analytical Record

Laboratory ID	Sample Collection Date	Well or Lagoon No.	Well dia. (In.)	Depth to water surface (Ft.)	Total depth of the well (Ft.)	Nitrate (as N) (mg/l)	Total Kjeldahl Nitrogen (as N) (mg/l)	Chloride (mg/l)	Total dissolved Solids (mg/l)
120707010-1	12-07-07	Well # 1	4	31.5	45.6	25.4	1.40	674	5676
120707010-2	12-07-07	Well # 2	4	13.0	21.2	40.6	1.96	1498	6024
120707010-3	12-07-07	Well # 3	4	12.2	20.5	3.8	1.68	1604	5320
120707010-4	12-07-07	Lagoon	N/A	N/A	N/A	<0.2	311	810	12368

Additional Information:

Parameter:	**Method Ref:**	**Date Analyzed:**	**Analyst:**
Nitrate (as N)	EPA 353.2	12/08/07	Elizabeth Gonzales
Total Kjeldahl Nitrogen (as N)	EPA 351.3	12-10-07	Elizabeth Gonzales
Chloride	EPA 325.2	12-10-07	Monica Gomez
Total dissolved Solids	EPA 160.1	12/10/07	Elizabeth Gonzales

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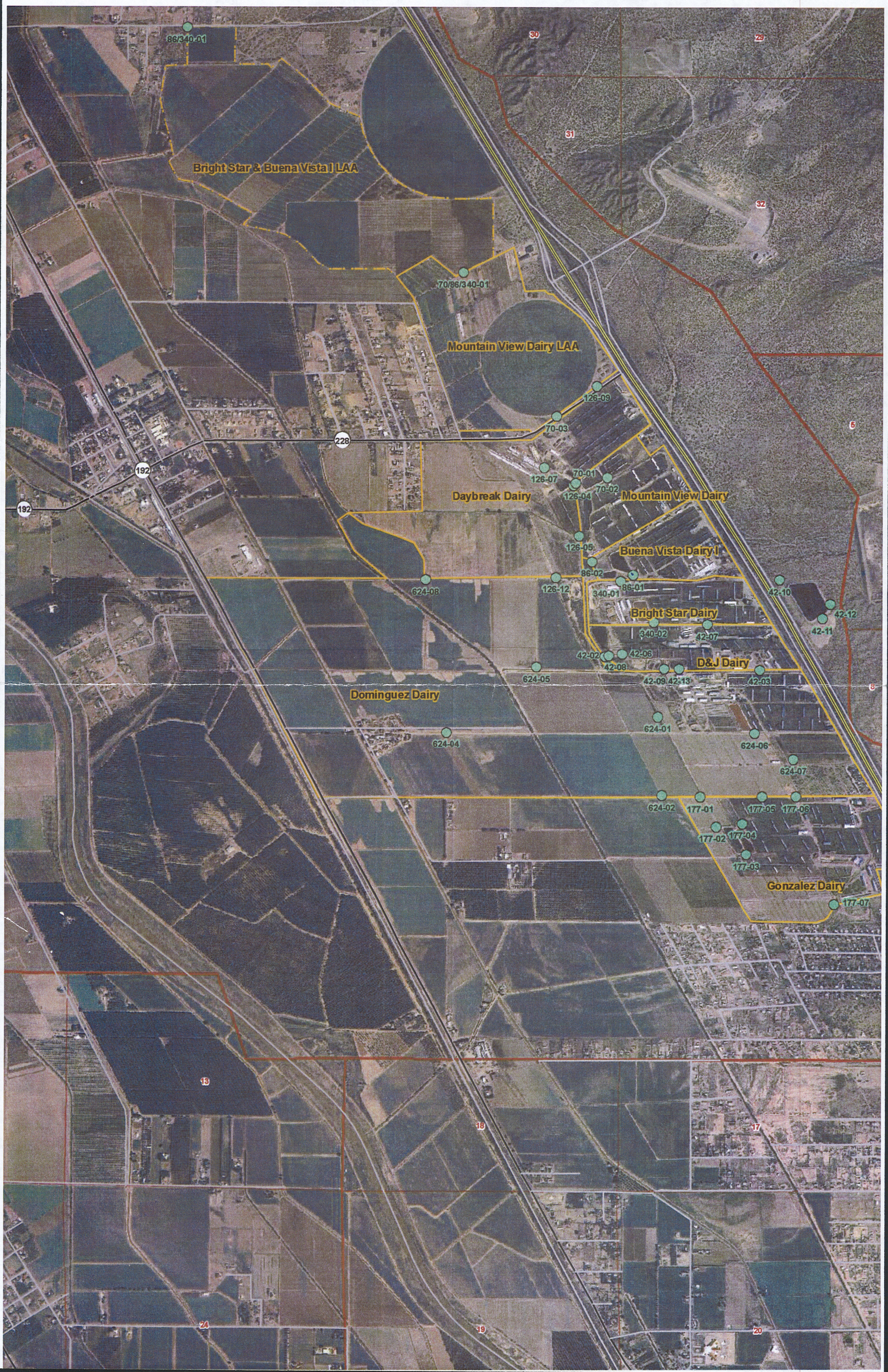

86/340-01
Bright Star & Buena Vista I LAA
70/86/340-01
Mountain View Dairy LAA
126-09
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228
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126-07
70-01
126-04
70-02
Daybreak Dairy
Mountain View Dairy
126-05
Buena Vista Dairy I
86-02
624-08
126-12
340-01
86-01
42-10
42-12
42-11
Bright Star Dairy
340-02
42-07
42-02
42-06
42-08
D&J Dairy
624-05
42-09
42-13
42-03
Dominguez Dairy
624-01
624-04
624-06
624-07
624-02
177-01
177-05
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177-02
177-04
177-03
Gonzalez Dairy
177-07