





## DeltaKeeper Dairy Monitoring Project

Date: 6-1-98

Sampling Team: 1) M. Storrs 2) R. Kirk 3) \_\_\_\_\_

Site	<u>Jackstone</u>	Site	<u>Murphy</u>	Site	<u>Carrotton</u>	Site	<u>Avena Rd at Robinson</u>	Site	<u>Van Allen</u>
Time	<u>10:20</u>	Time	<u>10:30</u>	Time	<u>10:55</u>	Time	<u>11:10</u>	Time	<u>11:20</u>
Temp	<u>20.9</u>	Temp	<u>18.2</u>	Temp	<u>18.7</u>	Temp	<u>23.1</u>	Temp	<u>17.8</u>
SpC	<u>1206</u>	SpC	<u>959</u>	SpC	<u>853</u>	SpC	<u>2656</u>	SpC	<u>680</u>
CND/EC	<u>1112</u>	CND/EC	<u>831</u>	CND/EC	<u>736</u>	CND/EC	<u>2514</u>	CND/EC	<u>557</u>
pH	<u>7.5</u>	pH	<u>7.6</u>	pH	<u>7.6</u>	pH	<u>7.4</u>	pH	<u>7.5</u>
water color	<u>med brn</u>	water color	<u>med brn</u>	water color	<u>med brn</u>	water color	<u>med brn</u>	water color	<u>lt. brn</u>
sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n

Site	<u>Brenna</u>	Site	_____	Site	_____	Site	_____	Site	_____
Time	<u>11:38</u>	Time	_____	Time	_____	Time	_____	Time	_____
Temp	<u>22.6</u>	Temp	_____	Temp	_____	Temp	_____	Temp	_____
SpC	<u>328</u>	SpC	_____	SpC	_____	SpC	_____	SpC	_____
CND/EC	<u>320</u>	CND/EC	_____	CND/EC	_____	CND/EC	_____	CND/EC	_____
pH	<u>8.1</u>	pH	_____	pH	_____	pH	_____	pH	_____
water color	<u>lt brn</u>	water color	_____	water color	_____	water color	_____	water color	_____
sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n

Site	_____	Site	_____	Site	_____	Site	_____	Site	_____
Time	_____	Time	_____	Time	_____	Time	_____	Time	_____
Temp	_____	Temp	_____	Temp	_____	Temp	_____	Temp	_____
SpC	_____	SpC	_____	SpC	_____	SpC	_____	SpC	_____
CND/EC	_____	CND/EC	_____	CND/EC	_____	CND/EC	_____	CND/EC	_____
pH	_____	pH	_____	pH	_____	pH	_____	pH	_____
water color	_____	water color	_____	water color	_____	water color	_____	water color	_____
sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n

# DeltaKeeper Dairy Monitoring Project

Date: 5-21-98

Sampling Team: 1) DAVE W. 2) Zoy P. 3) East side of

Site	TEMPLE JACKTONE	Site	AVENIA JACKTONE	Site	LOVE TREE JACKTONE	Site	AVENIA MURPHY	Site	AVENIA CARROLTON
Time	9:50 A.M.	Time	9:59 A.M.	Time	10:05	Time	10:15	Time	<del>10:15</del> 10:35
Temp	14.9	Temp	18.0	Temp	16.1	Temp	15.9	Temp	19.1
SpC	461.6	SpC	<del>875</del> 965	SpC	81.4	SpC	640	SpC	1550
CND/EC	372.9	CND/EC	825	CND/EC	67.4	CND/EC	529	CND/EC	1374
pH	—	pH	7.4	pH	—	pH	7.6	pH	7.7
water color	—	water color	—	water color	—	water color	—	water color	—

sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n
Site	Below Vander Meulen's gate Avena Carrolton	Site	Vander Meulen's above gate Avena	Site	AVENIA AVENARD.	Site	Van Allen Rd AVENIA DR	Site	Photos 3, 4 - 5, 6, 7 (E. Side)
Time	10:38	Time	10:40	Time	10:48	Time	11:05	Time	—
Temp	14.9	Temp	15.7	Temp	23.1	Temp	20.4	Temp	—
SpC	1238	SpC	1166	SpC	1728	SpC	2226	SpC	—
CND/EC	996	CND/EC	938	CND/EC	1534	CND/EC	2026	CND/EC	—
pH	7.8	pH	7.9	pH	8.0	pH	7.7	pH	—
water color	—	water color	—	water color	DARK BROWN	water color	BLACK!!	water color	—
sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n

Site	AVENIA BRENNAN	Site	—
Time	11:20 A.M.	Time	—
Temp	20.1	Temp	—
SpC	433	SpC	—
CND/EC	394.5	CND/EC	—
pH	7.3	pH	—
water color	LIGHT BROWN	water color	—
sample	y/n	sample	y/n

Site	FRANK N. ROCHA DAIRY	Site	—
Time	—	Time	—
Temp	—	Temp	—
SpC	—	SpC	—
CND/EC	—	CND/EC	—
pH	—	pH	—
water color	—	water color	—
sample	y/n	sample	y/n

Site	AVENIA DR at E. Side Van Allen	Site	—
Time	11:37	Time	—
Temp	22.2	Temp	—
SpC	2107	SpC	—
CND/EC	2224	CND/EC	—
pH	7.7	pH	—
water color	BLACK!!	water color	—
sample	y/n	sample	y/n

PHOTO # 8

PHOTO # 9, 10, 11

(916) 445-0045

## DeltaKeeper Dairy Monitoring Project

D) 3-24-98 Maylene
Brian
Kim Riggs  
1) Casey
2) Knife
3) D. Wagner
R Kirk

<i>Vienna</i> Vienna drain	Murphy Rd.		
Site <u>A-1</u>	Site <u>A-2/A</u>	Site <u>A-carrollton</u>	Site <u>carrollton Ditch</u>
Time <u>14:50</u>	Time <u>15:05</u>	Time <u>15:17</u>	Time <u>15:18</u>
Temp <u>25.0</u>	Temp <u>27.8</u>	Temp <u>27.1</u>	Temp <u>18.7</u>
SpC <u>1785</u>	SpC <u>1507</u>	SpC <u>1430</u>	SpC <u>1483</u>
CND/EC <u>1720</u>	CND/EC <u>1588</u>	CND/EC <u>1491</u>	CND/EC <u>1352</u>
pH <u>8.3</u>	pH <u>8.0</u>	pH <u>7.8</u>	pH <u>✓</u>
water color <u>Brown</u>	water color <u>reddish</u>	water color <u>light green</u>	water color <u>fish chocolate</u>
sample <u>y/n</u>	sample <u>y/n</u>	sample <u>y/n</u>	sample <u>y/n</u>

A 2B (East Side)	A-3	(over fence)	Ditch
Site <u>Robinson Rd.</u>	Site <u>Van Allen</u>	Site <u>Van Allen</u>	Site <u>Van Allen</u>
Time <u>15:32</u>	Time <u>15:37</u>	Time <u>15:41</u>	Time <u>15:43</u>
Temp <u>24.1</u>	Temp <u>26.6</u>	Temp <u>26.5</u>	Temp <u>26.5</u>
SpC <u>1516</u>	SpC <u>2050</u>	SpC <u>2050</u>	SpC <u>2139</u>
CND/EC <u>1496</u>	CND/EC <u>2120</u>	CND/EC <u>2190</u>	CND/EC <u>2080</u>
pH <u>7.3</u>	pH <u>7.3</u>	pH <u>7.4</u>	pH <u>8.1</u>
water color <u>dark</u>	water color <u>Rocky Road</u>	water color <u>Brown</u>	water color <u>(really green)</u>
sample <u>y/n</u>	sample <u>y/n</u>	sample <u>y/n</u>	sample <u>y/n</u>

Site _____	Site _____	Site _____	Site _____
Time _____	Time _____	Time _____	Time _____
Temp _____	Temp _____	Temp _____	Temp _____
SpC _____	SpC _____	SpC _____	SpC _____
CND/EC _____	CND/EC _____	CND/EC _____	CND/EC _____
pH _____	pH _____	pH _____	pH _____
water color _____	water color _____	water color _____	water color _____
sample <u>y/n</u>	sample <u>y/n</u>	sample <u>y/n</u>	sample <u>y/n</u>

# DeltaKeeper Dairy Monitoring Project

3-18-98

Sampling Team: 1) D. Wagner 2) R. Kirk 3) K. Morgan

Site	Time	Temp	SpC	CND/EC	pH	water color	sample
<u>T-1</u>	<u>9:55</u>	<u>13.2°</u>	<u>291</u>	<u>228</u>	<u>8.9</u>	<u>Slimy Brown</u>	<u>y/n</u>
<u>A-1</u>	<u>10:10</u>	<u>12.0°</u>	<u>2463</u>	<u>1805</u>	<u>8.7</u>	<u>Slimy green + Brown</u>	<u>y/n</u>
<u>L-1</u>	<u>10:20</u>	<u>13.8</u>	<u>992</u>	<u>785</u>	<u>6.6</u>	<u>Slimy Brown</u>	<u>y/n</u>
<u>L-2</u>	<u>10:35</u>	<u>16.8</u>	<u>595</u>	<u>497</u>	<u>7.5</u>	<u>Cappuccino</u>	<u>y/n</u>
<u>A-2</u>	<u>10:40</u>	<u>13.0</u>	<u>1411</u>	<u>1189</u>	<u>6.2</u>	<u>Brown + Green Slimy</u>	<u>y/n</u>

Notes: 21-25 photos (under T-1), photos #1, 2, 3 (under A-1), Van Allen (under L-2), Robinson (under L-1), photos #4, 5 (under A-2)

Site	Time	Temp	SpC	CND/EC	pH	water color	sample
<u>A-2 west</u>	<u>10:44</u>	<u>14.2</u>	<u>1318</u>	<u>1046</u>	<u>5.0</u>	<u>Ban + Grn</u>	<u>y/n</u>
<u>A2-a</u>	<u>11:00</u>	<u>23.4</u>	<u>1166</u>	<u>1617</u>	<u>7.0</u>	<u>LTAT COFFEE</u>	<u>y/n</u>
<u>A2-b</u>	<u>11:12</u>	<u>21.3</u>	<u>1721</u>	<u>1603</u>	<u>6.8</u>	<u>Thick Choc. Brown</u>	<u>y/n</u>
<u>A-3</u>	<u>11:17</u>	<u>24.2</u>	<u>2917</u>	<u>2876</u>	<u>7.3</u>	<u>Thick Choc. Creamy</u>	<u>y/n</u>
<u>A-3 EAST</u>	<u>11:20</u>	<u>23.6</u>	<u>2934</u>	<u>2981</u>	<u>7.5</u>	<u>Coffee/foam</u>	<u>y/n</u>

Notes: photo #6 (under A-2 west), photos #7, 8, 9, 10 (under A2-a)

Site	Time	Temp	SpC	CND/EC	pH	water color	sample
<u>Van Allen Dist. EAST SIDE</u>	<u>11:23</u>	<u>20.9</u>	<u>3392</u>	<u>3133</u>	<u>7.5</u>	<u>Milk Choc. / solids</u>	<u>y/n</u>
<u>Brennan Rd. A-4</u>	<u>11:45</u>	<u>11.9</u>	<u>3236</u>	<u>2406</u>	<u>6.2</u>	<u>Thick COFFEE</u>	<u>y/n</u>
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

Notes: photos #11, 12, 13, 14, 15, 16, 17, 18, 19 (under Van Allen), photos #23, 24, 25 (under Brennan Rd.)

WANDER SQUARE

Gender school East

# DeltaKeeper Dairy Monitoring Project

Date: 3/11/98

Sampling Team: 1) A. Zawilla 2) R. Pfeifer 3) R. Kirk  
K. Morgan D. Wagner 12549

Site <del>T-1</del>	Site <del>A-1</del>	Site <u>A-1</u>	Site <u>A1A</u> <sup>12549</sup> <del>17540</del> <u>Murphy Rd</u>	Site <u>A1A</u> <u>(west side)</u>
Time <u>9:50</u> <del>XXXX</del>	Time <u>10:00</u>	Time <u>10:05</u>	Time <u>10:17</u>	Time <u>10:25</u>
Temp <u>12.9</u>	Temp <u>10.6</u>	Temp <u>17.1</u>	Temp <u>11.4</u>	Temp <u>12.3</u>
SpC <u>291.7</u>	SpC <u>2230</u> <del>###</del>	SpC <u>354.8</u>	SpC <u>1281</u>	SpC <u>1200</u>
CND/EC <u>223.1</u>	CND/EC <u>3047</u>	CND/EC <u>301.3</u>	CND/EC <u>958</u>	CND/EC <u>915</u>
pH <u>7.5</u>	pH <u>8.0</u>	pH <u>8.5</u>	pH <u>7.3</u>	pH <u>7.3</u>
water color <u>latte</u>	water color <u>dk choc</u>	water color <u>trans. coffee</u>	water color <u>dark latte</u>	water color _____
sample <u>y/n</u>	sample <u>y/n</u>	sample <u>y/n</u>	sample <u>y/n</u>	sample <u>y/n</u>
	odor photos # 22, 23, 24		photos 1, 2, 3	

Site <u>A-1</u>	Site <u>A-2A</u>	Site <u>A-2</u>	Site <u>A-3</u>	Site <u>A-4</u>
Time <u>10:35</u>	Time <u>11:00</u>	Time <u>11:07</u>	Time <u>11:12</u>	Time <u>11:22</u>
Temp <u>11.2</u>	Temp <u>18.5</u>	Temp <u>15.0</u>	Temp <u>16.6</u>	Temp <u>10.3</u>
SpC <u>3017</u>	SpC <u>1138</u>	SpC <u>1019</u>	SpC <u>635</u>	SpC <u>2582</u>
CND/EC <u>2266</u>	CND/EC <u>996</u>	CND/EC <u>822</u>	CND/EC <u>535</u>	CND/EC <u>1826</u>
pH <u>7.0</u>	pH <u>7.2</u>	pH <u>6.2</u>	pH <u>6.6</u>	pH <u>6.4</u>
water color _____	water color _____	water color _____	water color <u>latte</u>	water color <u>dk, Hershey choc</u>
sample <u>y/n</u>	sample <u>y/n</u>	sample <u>y/n</u>	sample <u>y/n</u>	sample <u>y/n</u>
	photos 4, 5, 6	photo 7		photos 8, 9, 10, 11, 12, 13

Site <u>T-6B</u>	Site <u>T-6A</u> <u>(just above confluence)</u>	Site <u>A-7</u> <u>Ditch</u>	Site <u>A-8</u> <u>Ditch</u>	Site <u>E. side Van Allen</u>
Time <u>11:37</u>	Time <u>11:51</u>	Time <u>11:59</u>	Time <u>12:01</u>	Time <u>50.9 of Cal Farm Rd</u>
Temp <u>17.7</u>	Temp <u>18.0</u>	Temp <u>14.9</u>	Temp <u>20</u>	Temp _____
SpC <u>183.4</u> <del>###</del>	SpC <u>416.7</u>	SpC <u>2023</u>	SpC <u>754</u>	SpC _____
CND/EC <u>163</u>	CND/EC <u>354.4</u>	CND/EC <u>1630</u>	CND/EC <u>645</u>	CND/EC _____
pH _____	pH <u>6.6</u>	pH <u>7.15</u>	pH <u>7.7</u>	pH _____
water color <u>light choc</u>	water color _____	water color _____	water color _____	water color _____
sample <u>y/n</u>	sample <u>y/n</u>	sample <u>y/n</u>	sample <u>y/n</u>	sample <u>y/n</u>

Photo # 13  
 King N. side Van Allen Rd  
 Farm Rd

# DeltaKeeper Dairy Monitoring Project

D : 3/10/98

11 *Maglow*  
*Soria*  
*Narf. Mohsen*

Sampling Team: 1) *Ben Marquay* 2) *CGSEY S101* 3) \_\_\_\_\_

Site	<u>A-4</u>	Site	<u>A-4</u>	Site	<u>A-4</u>	Site	<u>A-3</u>	Site	<u>A-3</u>
Time	<u>14:35</u>	Time	<u>14:50</u>	Time	<u>14:52</u>	Time	<u>15:15</u>	Time	<u>15:17</u>
Temp	<del>12.2</del> <u>12.2</u>	Temp	<u>12.7</u>	Temp	<u>14.9</u>	Temp	<u>25.7</u>	Temp	_____
SpC	<u>2524</u>	SpC	<u>2655</u>	SpC	<u>2489</u>	SpC	<u>488.3</u>	SpC	<u>499</u>
CND/EC	<u>1899</u>	CND/EC	<u>2505</u>	CND/EC	<u>1953</u>	CND/EC	<u>484.6</u>	CND/EC	<u>499</u>
pH	<u>7.5</u>	pH	_____	pH	_____	pH	_____	pH	_____
water color	<u>Vark Choclate Hershey</u>	water color	<u>11</u>	water color	<u>11</u>	water color	_____	water color	_____
sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n

Site	<u>L?</u>	Site	_____	Site	_____	Site	_____	Site	_____
Time	<u>15:38</u>	Time	_____	Time	_____	Time	_____	Time	_____
Temp	<u>21.1</u>	Temp	_____	Temp	_____	Temp	_____	Temp	_____
SpC	<u>3664</u>	SpC	_____	SpC	_____	SpC	_____	SpC	_____
CND/EC	<u>340.0</u>	CND/EC	_____	CND/EC	_____	CND/EC	_____	CND/EC	_____
pH	<u>milky brown</u>	pH	_____	pH	_____	pH	_____	pH	_____
water color	_____	water color	_____	water color	_____	water color	_____	water color	_____
sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n

Site	_____	Site	_____	Site	_____	Site	_____	Site	_____
Time	_____	Time	_____	Time	_____	Time	_____	Time	_____
Temp	_____	Temp	_____	Temp	_____	Temp	_____	Temp	_____
SpC	_____	SpC	_____	SpC	_____	SpC	_____	SpC	_____
CND/EC	_____	CND/EC	_____	CND/EC	_____	CND/EC	_____	CND/EC	_____
pH	_____	pH	_____	pH	_____	pH	_____	pH	_____
water color	_____	water color	_____	water color	_____	water color	_____	water color	_____
sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n





Ischen

DeltaKeeper Dairy Monitoring Project

4-5-98

Sampling Team: 1) R. Pfeifer 2) MARTIN O'NEIL 3) \_\_\_\_\_

Site	A-1	Site	A-1A	Site	A-2A <sup>closed</sup>	Site	A-2A <sup>NSOP</sup>	Site	A-2B
Time	<u>2:30</u>	Time	<u>2:45</u>	Time	<u>3:00</u>	Time	<u>3:05</u>	Time	<u>3:10</u>
Temp	<u>21.9</u>	Temp	<u>21.0</u>	Temp	<u>25.9</u>	Temp	<u>20.4</u>	Temp	<u>26.2</u>
SpC	<u>1390</u>	SpC	<u>1870</u>	SpC	<u>1671</u>	SpC	<u>585</u>	SpC	<u>1713</u>
CND/EC	<u>1297</u>	CND/EC	<u>1722</u>	CND/EC	<u>1735</u>	CND/EC	<u>528</u>	CND/EC	<u>1749</u>
pH	<u>7.5</u>	pH	<u>7.7</u>	pH	<u>7.8</u>	pH	<u>7.8</u>	pH	<u>7.8</u>
water color	_____	water color	_____	water color	_____	water color	_____	water color	_____
sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n

Site	A-3 <sup>at pipe</sup>	Site	A-4 <sup>no flow</sup>	Site	A-4 <sup>(westside Brennan Rd.)</sup>	Site	_____	Site	_____
Time	<u>3:20</u>	Time	<u>3:30</u>	Time	<u>3:35</u>	Time	_____	Time	_____
Temp	<u>27.6</u>	Temp	<u>20.5</u>	Temp	<u>22.6</u>	Temp	_____	Temp	_____
SpC	<u>1180</u>	SpC	<u>368.0</u>	SpC	<u>348.5</u>	SpC	_____	SpC	_____
CND/EC	<u>1235</u>	CND/EC	<u>341.5</u>	CND/EC	<u>332.4</u>	CND/EC	_____	CND/EC	_____
pH	<u>7.8</u>	pH	<u>7.5</u>	pH	<u>7.5</u>	pH	_____	pH	_____
water color	_____	water color	_____	water color	_____	water color	_____	water color	_____
sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n

Site	L-3	Site	L-4	Site	_____	Site	_____	Site	_____
Time	<u>3:50</u>	Time	<u>4:00</u>	Time	_____	Time	_____	Time	_____
Temp	<u>18.6</u>	Temp	<u>18.4</u>	Temp	_____	Temp	_____	Temp	_____
SpC	<u>207.0</u>	SpC	<u>216.0</u>	SpC	_____	SpC	_____	SpC	_____
CND/EC	<u>181.9</u>	CND/EC	<u>187.3</u>	CND/EC	_____	CND/EC	_____	CND/EC	_____
pH	_____	pH	_____	pH	_____	pH	_____	pH	_____
water color	_____	water color	_____	water color	_____	water color	_____	water color	_____
sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n

# DeltaKeeper Dairy Monitoring Project

4/7/98

Sampling Team: 1) D. Wagner      2) K. Morgan      3) R. Pfeifer

Site	Time	Temp	SpC	CND/EC	pH	water color	sample
JACK TONE A-1	9:40	13.1	1694	1307	7.2	expresso	y/n
Vander schaff A-Murphy	10:05	11.9	843	630	6.9	1+ muddy	y/n
A Murphy West side corner pipe	10:12	12.2	919	700	7.1	med. brn	y/n
Ditch A-Carrington	10:25	13.0	420.8	325.7	7.1	1+ muddy brn	y/n
R. Kirk A-Carrington	10:30	14.5	1006	805	6.4	dk muddy	y/n

Site	Time	Temp	SpC	CND/EC	pH	water color	sample
Photos # 6, 7, 8 A-Robinson	10:35	14.8	1497	1245	6.1	dk brn	y/n
Photos 9, 10 (see map) A-Robinson	10:37	14.9	1028	829	6.4	dk brown	y/n
Photos Dixie A-Robinson	10:40	17.3	4933	420.2	7.2		y/n
Flow A-VanAllen	10:45	15.9	1735	1433	5.0	greenish pale soup	y/n
Drain A-VanAllen	10:45	16.5	949	795	5.6	dk brown	y/n

Site	Time	Temp	SpC	CND/EC	pH	water color	sample
Van Allen A-Ditch above discharge	17:00	17.4	170.1	145.6	5.1	1+ muddy	y/n
Van Allen Ditch at discharge	17:00	13.7	3399	3185	5.1	dk choco brown	y/n
L-Steingue	12:30	15.4	305.0	249.2			y/n
							y/n
							y/n

516-255-3110

# DeltaKeeper Dairy Monitoring Project

4/7/98

Sampling Team: 1) D. Wagner 2) K. Morgan 3) R. Pfeifer

Site	Time	Temp	SpC	CND/EC	pH	water color	sample
JACK TOWNE A-1	9:40	13.1	1694	130.7	7.2	espresso	y/n
Vander schaff A-Murphy	10:05	11.9	843	630	6.9	1+ muddy	y/n
A Murphy West side corner pipe	10:12	12.2	919	700	7.1	med. brn	y/n
Ditch A-Carralton	10:25	13.0	420.8	325.7	7.1	1+ muddy brn	y/n
R. Kirk A-Carralton	10:30	14.5	1006	805	6.4	dk. muddy	y/n

Site	Time	Temp	SpC	CND/EC	pH	water color	sample
A-Robinson	10:35	14.8	1497	1245	6.1	dk brn	y/n
A-Robinson	10:37	14.9	1028	829	6.4	dk brown	y/n
A-Robinson	10:40	17.3	4933	4202	7.2		y/n
A-Van Allen N-ditch	10:45	15.9	1735	1433	5.0	greenish pla soup	y/n
A-Van Allen DRAIN	10:45	16.5	949	795	5.6	dk brown	y/n

Site	Time	Temp	SpC	CND/EC	pH	water color	sample
Van Allen A-Ditch above discharge	17.4	17.0.1	1456	5.1	1+ muddy	y/n	
Van Allen Ditch at discharge	13.7	3399	155	3185	5.1	dk. brn brown	y/n
L-Steingaul	12:30	15.4	305.0	249.2			y/n
							y/n
							y/n

916-255-3110

# DeltaKeeper Dairy Monitoring Project

4-11-98

Sampling Team: 1) ROY PFEIFER 2) RANDY PFEIFER 3) \_\_\_\_\_

Site	A-1 JACK TONE	Site	A-2 MURPHY (WEST SIDE)	Site	A-3 CAROLTON (N) OF PIPE	Site	A-4 AVENA	Site	A-5 VAN ALLEN (AT PIPE)
Time	10:00 a.m.	Time	10:15 a.m.	Time	10:23 a.m.	Time	10:37 a.m.	Time	10:45 a.m.
Temp	12.2	Temp	12.9	Temp	12.3	Temp	12.2	Temp	12.3
SpC	1012	SpC	1388	SpC	1679	SpC	1193	SpC	1341
CND/EC	749	CND/EC	1068	CND/EC	1275	CND/EC	900	CND/EC	1016
pH	7.8	pH	7.9	pH	7.8	pH	7.9	pH	7.9

water color Brown water color Brown water color Brown water color Brown water color B

sample y/n sample y/n sample y/n sample y/n sample ↑ y/n

PICTURES  
5-19

A-BRENNAN

Site	_____	Site	_____	Site	_____	Site	_____	Site	_____
Time	11:10 a.m.	Time	_____	Time	_____	Time	_____	Time	_____
Temp	12.6	Temp	_____	Temp	_____	Temp	_____	Temp	_____
SpC	356.9	SpC	_____	SpC	_____	SpC	_____	SpC	_____
CND/EC	268.9	CND/EC	_____	CND/EC	_____	CND/EC	_____	CND/EC	_____
pH	7.6	pH	_____	pH	_____	pH	_____	pH	_____

water color Blank water color \_\_\_\_\_ water color \_\_\_\_\_ water color \_\_\_\_\_ water color \_\_\_\_\_

sample y/n sample y/n sample y/n sample y/n sample y/n

Site	_____	Site	_____	Site	_____	Site	_____	Site	_____
Time	_____	Time	_____	Time	_____	Time	_____	Time	_____
Temp	_____	Temp	_____	Temp	_____	Temp	_____	Temp	_____
SpC	_____	SpC	_____	SpC	_____	SpC	_____	SpC	_____
CND/EC	_____	CND/EC	_____	CND/EC	_____	CND/EC	_____	CND/EC	_____
pH	_____	pH	_____	pH	_____	pH	_____	pH	_____

water color \_\_\_\_\_ water color \_\_\_\_\_ water color \_\_\_\_\_ water color \_\_\_\_\_ water color \_\_\_\_\_

sample y/n sample y/n sample y/n sample y/n sample y/n

Escalon

DeltaKeeper Dairy Monitoring Project

4-23-98

Sampling Team: 1) KARI 2) Kim 3) JAN ROBIN DAVE

Site	JACK TONE	Site	MURPHY	Site	CAROLTON	Site	VAN ALLEN	Site	BREWAN
Time	9:55AM	Time	10:10	Time	10:20	Time	10:30	Time	10:45
Temp	15.5	Temp	17.5	Temp	20.8	Temp		Temp	20.7
SpC	1325	SpC	1061	SpC	1175	SpC		SpC	614
CND/EC	1077	CND/EC	910	CND/EC	1067	CND/EC		CND/EC	565
pH	7.5	pH	8.0	pH		pH		pH	7.0
water color		water color		water color		water color		water color	
sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n

Site		Site		Site		Site		Site	
Time		Time		Time		Time		Time	
Temp		Temp		Temp		Temp		Temp	
SpC		SpC		SpC		SpC		SpC	
CND/EC		CND/EC		CND/EC		CND/EC		CND/EC	
pH		pH		pH		pH		pH	
water color		water color		water color		water color		water color	
sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n

Site		Site		Site		Site		Site	
Time		Time		Time		Time		Time	
Temp		Temp		Temp		Temp		Temp	
SpC		SpC		SpC		SpC		SpC	
CND/EC		CND/EC		CND/EC		CND/EC		CND/EC	
pH		pH		pH		pH		pH	
water color		water color		water color		water color		water color	
sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n

# DeltaKeeper Dairy Monitoring Project

*Dairy on  
Murphy Rd.)  
Site on Murphy  
is east of dairy*

**Sampling Team:** 1) \_\_\_\_\_ 2) \_\_\_\_\_ 3) \_\_\_\_\_

3-24-98		3-24-98		3-18-98		3-18-98			
Site	JackTone	Site	Murphy	Site	JackTone	Site	Murphy	Site	_____
Time	14:50	Time	15:05	Time	10:10	Time	10:40	Time	_____
Temp	25.0	Temp	27.8	Temp	12.0	Temp	13.0	Temp	_____
SpC	1785	SpC	1507	SpC	2463	SpC	1411	SpC	_____
CND/EC	1720	CND/EC	1588	CND/EC	1805	CND/EC	1089	CND/EC	_____
pH	8.3	pH	8.0	pH	8.7	pH	6.2	pH	_____
water color	_____	water color	_____	water color	_____	water color	_____	water color	_____
sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n

3-11-98		3-11-98		2-25-98		2-25-98			
Site	JackTone	Site	Murphy	Site	JackTone	Site	Murphy	Site	_____
Time	10:00	Time	10:17	Time	10:30	Time	10:55	Time	_____
Temp	10.6	Temp	11.4	Temp	10.3	Temp	10.3	Temp	_____
SpC	3047	SpC	1281	SpC	766	SpC	675	SpC	_____
CND/EC	2230	CND/EC	958	CND/EC	551	CND/EC	486	CND/EC	_____
pH	8.0	pH	7.3	pH	7.5	pH	7.0	pH	_____
water color	_____	water color	_____	water color	_____	water color	_____	water color	_____
sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n

Site	_____	Site	_____	Site	_____	Site	_____	Site	_____
Time	_____	Time	_____	Time	_____	Time	_____	Time	_____
Temp	_____	Temp	_____	Temp	_____	Temp	_____	Temp	_____
SpC	_____	SpC	_____	SpC	_____	SpC	_____	SpC	_____
CND/EC	_____	CND/EC	_____	CND/EC	_____	CND/EC	_____	CND/EC	_____
pH	_____	pH	_____	pH	_____	pH	_____	pH	_____
water color	_____	water color	_____	water color	_____	water color	_____	water color	_____
sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n





# DeltaKeeper Dairy Monitoring Project

4-29-98

Sampling Team: 1) DAVE 2) ROY 3) JAN

- AVENA DRAIN -		① MURPHY RD		② MURPHY RD		CARRLTON RD		- DITCH NORTH OF AVENA DRAIN - VAN ALLEN RD.	
Site	JACK TONE	Site	MURPHY RD	Site	MURPHY RD	Site	CARRLTON RD	Site	VAN ALLEN RD.
Time	10:10AM	Time	10:25	Time	10:30	Time	10:45	Time	10:55
Temp	/	Temp	24.3	Temp	24.9	Temp	/	Temp	27.9
SpC	/	SpC	974	SpC	1121	SpC	/	SpC	1168
CND/EC	/	CND/EC	960	CND/EC	1108	CND/EC	/	CND/EC	1370
pH	/	pH	7.7	pH	7.9	pH	/	pH	7.7
water color	DRY	water color		water color		water color	DRY	water color	
sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n

PHOTO #21  
SHOULDER  
NEED BEE

- AVENA DRAIN -		BRENNAN AVE		- LONE TREE CRK		MAGNOLIA & CAMPBELL RD		CAMPBELL & MAHON RD.	
Site	VAN ALLEN RD (@ RR)	Site	BRENNAN AVE (F+C BORBA DAIRY)	Site	LONE TREE CRK ESC-BELLOTA RD	Site	MAGNOLIA & CAMPBELL RD	Site	CAMPBELL & MAHON RD.
Time	/	Time	/	Time	11:20	Time	11:30	Time	11:35
Temp	/	Temp	/	Temp	18.7	Temp	14.8	Temp	19.5
SpC	/	SpC	/	SpC	344.6	SpC	2066	SpC	180.6
CND/EC	/	CND/EC	/	CND/EC	302.2	CND/EC	1665	CND/EC	162.6
pH	/	pH	/	pH	/	pH	7.9	pH	7.5
water color	DRY	water color	DRY	water color		water color		water color	
sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n

PHOTO #23

NO WATER COMING FROM OTHER SIDE  
(Pool here, no flow)

PHOTO #22

KELLY & SEIDNER RD.		Site	Site	Site	Site
Time	11:55	Time		Time	
Temp	20.3	Temp		Temp	
SpC	178.8	SpC		SpC	
CND/EC	166.8	CND/EC		CND/EC	
pH	7.3	pH		pH	
water color		water color		water color	
sample	y/n	sample	y/n	sample	y/n

# DeltaKeeper Dairy Monitoring Project

Date: MAY 5, 1998

Sampling Team: 1) ROBIN 2) DAVE 3) JAN

Site	JACK TONER RD.	Site	Murphy	Site #1	Avena CARROLTON	Site #2	Ditch CARROLTON	Site #3	CARROLTON
Time	9:40	Time	9:54	Time	10:00	Time	10:08	Time	10:22
Temp	17.9	Temp	17.4	Temp	17.9	Temp	18.1	Temp	18.4
SpC	902	SpC	1682	SpC	<del>1094</del> <del>1575</del>	SpC	2169	SpC	2177
CND/EC	784	CND/EC	1441	CND/EC	<del>1154</del>	CND/EC	1886	CND/EC	1903
pH	6.9	pH	7.1	pH	9.45	pH	6.4	pH	7.5
water color		water color	med brn.	water color	7.1	water color		water color	
sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n

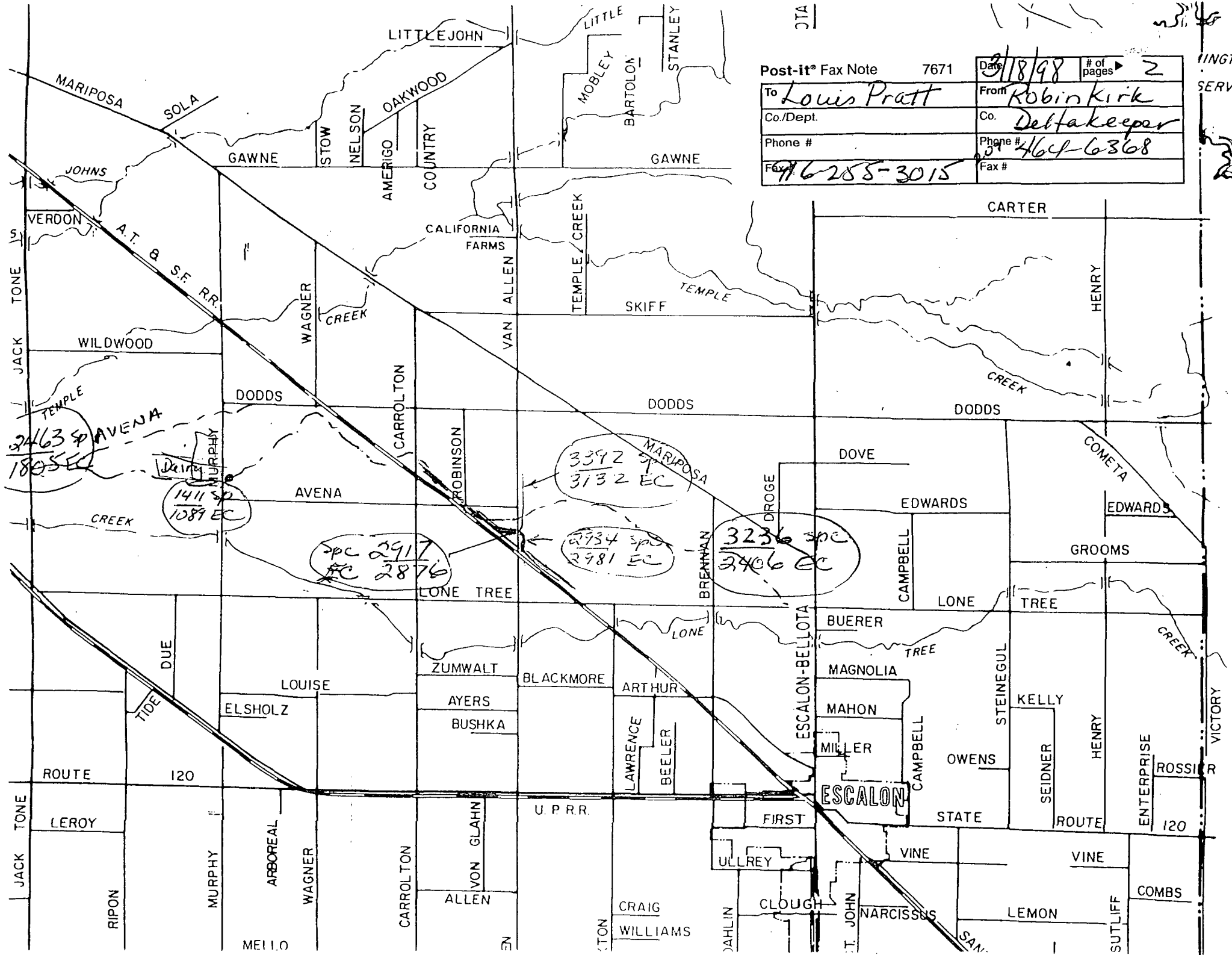
215 SHOTS DRAINPIPE W/ FARM IN BACKRD

Site	#4 DITCH @ MAILBOX	Site	#5 DITCH @ DRAINPIPE	Site #7	DITCH CARROLTON	Site #6	DITCH CARROLTON @ INFLOW	Site	ROBINSON RD - CULVERT @ END OF GRAVEL (WEST SIDE)
Time	10:27	Time	10:36	Time	10:40	Time	10:47	Time	11:20
Temp	19.2	Temp	18.8	Temp	19.8	Temp	18.6	Temp	19.9
SpC	1511	SpC	2208	SpC	557	SpC	2439	SpC	1935
CND/EC	1351	CND/EC	1947	CND/EC	503	CND/EC	2145	CND/EC	1676
pH	7.3	pH	7.1	pH	7.2	pH	7.5	pH	7.3
water color		water color		water color		water color		water color	
sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n

Site	ROBINSON RD - @ DIRT RD (EAST) OPENING OF BARBED WIRE	Site		Site		Site		Site	
Time	11:21	Time		Time		Time		Time	
Temp	16.8	Temp		Temp		Temp		Temp	
SpC	2616	SpC		SpC		SpC		SpC	
CND/EC	2275	CND/EC		CND/EC		CND/EC		CND/EC	
pH	7.5	pH		pH		pH		pH	
water color		water color		water color		water color		water color	
sample	y/n	sample	y/n	sample	y/n	sample	y/n	sample	y/n

DITCH FLOW APPEARS TO BE FROM JOHN BARTELINK DAIRY.

DES 98-2112 control #



Post-it® Fax Note 7671

Date	3/18/98	# of pages	2
To	Louis Pratt	From	Robin Kirk
Co./Dept.		Co.	Debtkeeper
Phone #		Phone #	464-6368
Fax #	976-288-3015	Fax #	

2463 SP AVENA  
180 SEC

1411 SP  
1087 EC

SP 2917  
EC 2876

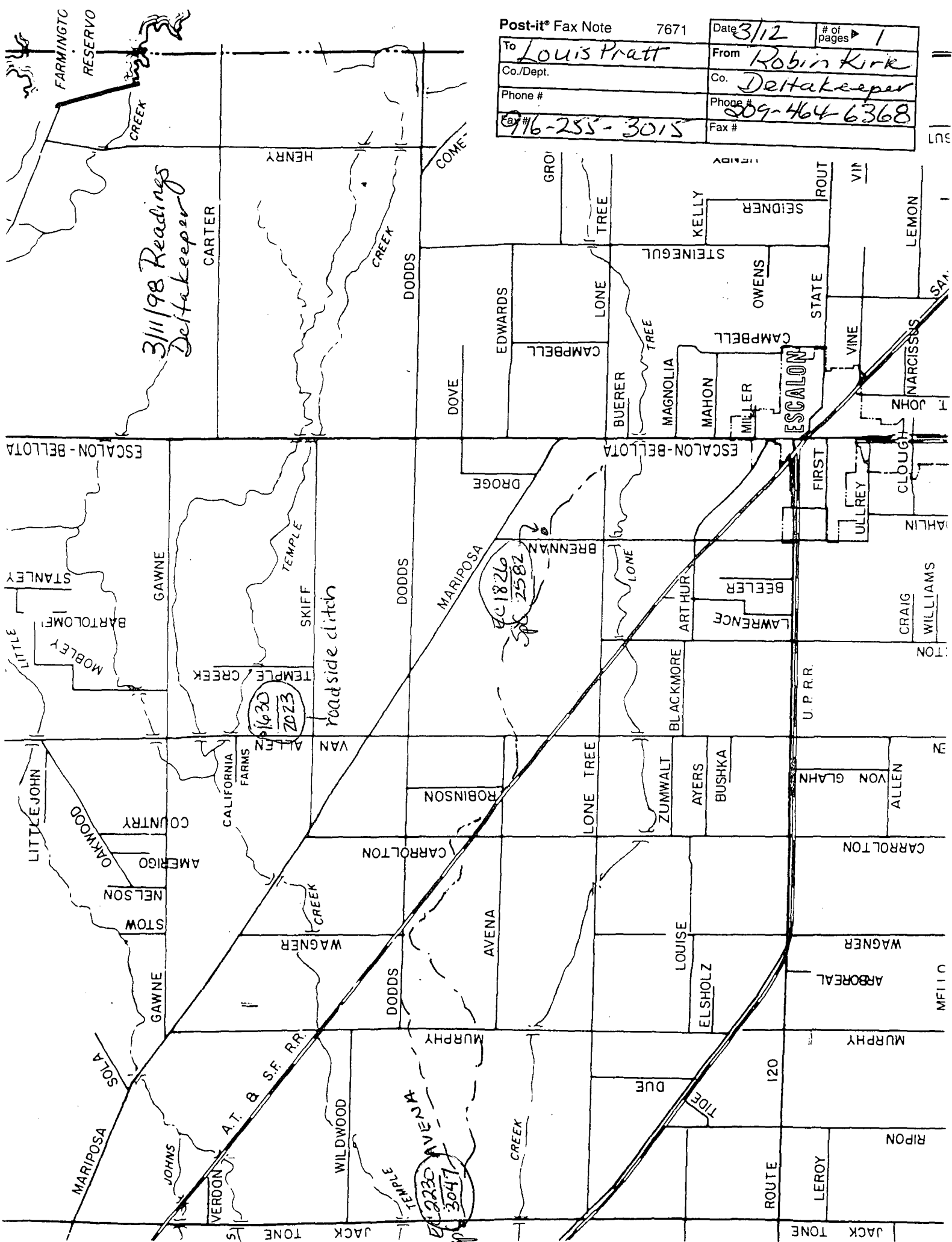
3392 SP  
3132 EC

2934 SP  
2981 EC

3236 SP  
3406 EC

INGTON  
SERVOI

Post-it® Fax Note 7671		Date 3/12	# of pages 1
To Louis Pratt		From Robin Kirk	
Co./Dept.		Co. Deltakeeper	
Phone #		Phone # 209-464-6368	
Fax # 916-255-3015		Fax #	

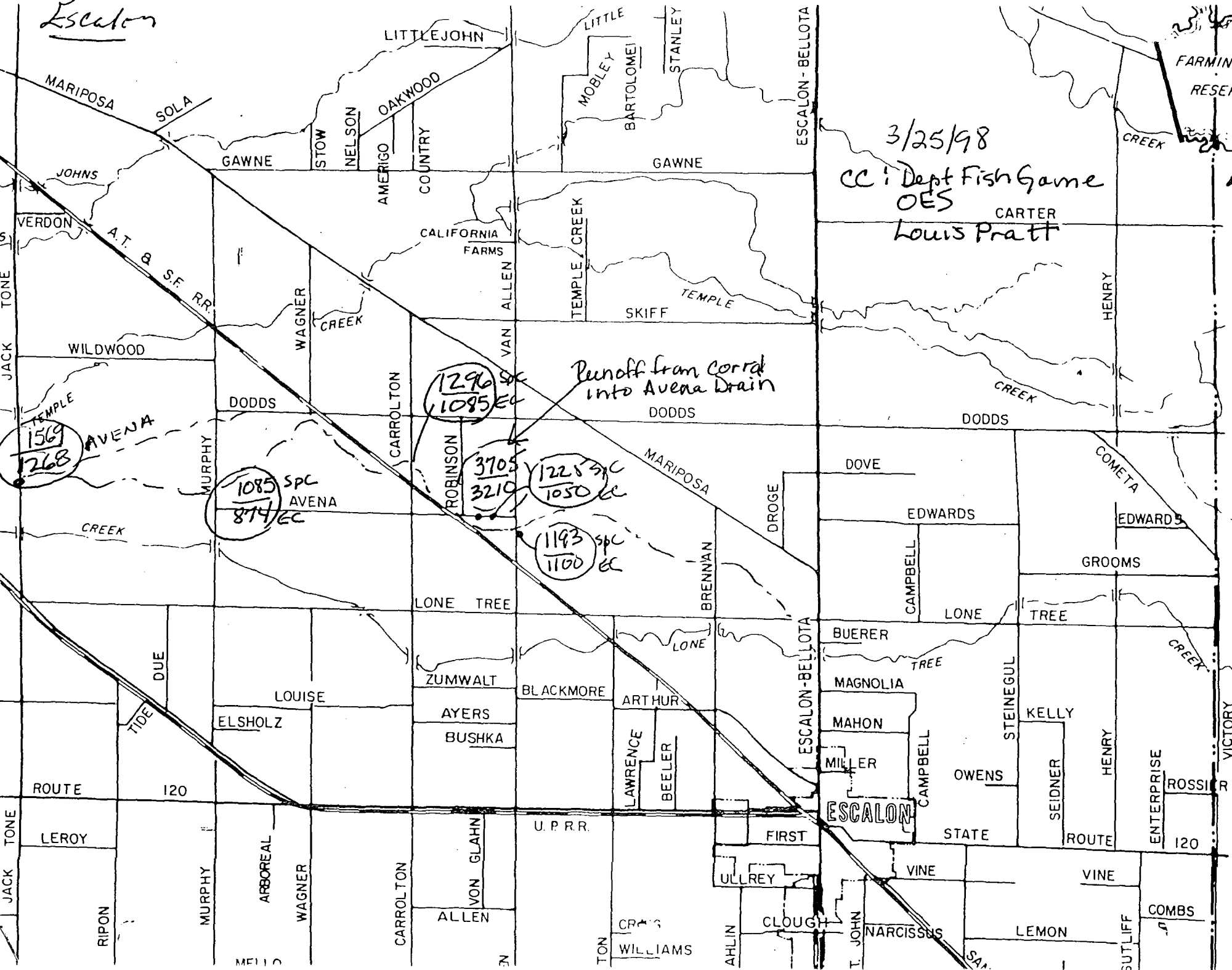


Escalon

3/25/98

CC: Dept Fish Game  
OES  
Louis Pratt

Penoff from Corral  
into Avena Drain



FARMINGTON  
RESERVOIR

JACK TONE

JACK TONE

VICTORY

ROUTE 120

ESCALON

U.P.R.R.

ROUTE 120

ROUTE

LEROY

RIPON

MURPHY

MURPHY

ARBOREAL

WAGNER

CARROLLTON

ALLEN

VON GLAHN

WILLIAMS

AHLIN

CLOUGH

T. JOHN

NARCISSE

LEMON

SUTLIF

COMBS

ENTERPRISE

ROUTE 120

SEIDNER

KELLY

HENRY

GROOMS

EDWARDS

COMETA

DODDS

EDWARDS

DOVE

MARIPOSA

BRENNAN

LONE

BLACKMORE

LONE TREE

ZUMWALT

LOUISE

ELSHOLZ

DUE

TIDE

ROBINSON

CARROLLTON

DODDS

MURPHY

1085 SPC  
AVENA  
874 EC

1296 SPC  
11085 EC

3705  
3210

1225 SPC  
1050 EC

1193 SPC  
1100 EC

1569  
1268

AVENA

CREEK

WILDWOOD

VERDON

JOHNS

MARIPOSA

SOLA

GAWNE

STOW

NELSON

AMERIGO

COUNTRY

LITTLEJOHN

OAKWOOD

LITTLE  
MOBLEY

BARTOLOMEI

STANLEY

GAWNE

ESCALON-BELLOTA

CALIFORNIA  
FARMS

ALLEN

TEMPLE CREEK

SKIFF

TEMPLE

CARTER

Louis Pratt

HENRY

CREEK

CREEK

DROGE

CAMPBELL

LONE

TREE

BUERER

CAMPBELL

MAGNOLIA

MAHON

MILLER

OWENS

KELLY

HENRY

STATE

ROUTE

ROSSI

VINE

VINE

ULLREY

CLOUGH

T. JOHN

NARCISSE

LEMON

SUTLIF

COMBS