

**STUDY 240: PROTOCOL FOR MONITORING GROUND WATER IN SECTIONS
WITH REPORTED DETECTIONS OUTSIDE EXISTING GROUND WATER
PROTECTION AREAS**

Attachment 2: Appendices E-I

Appendix E: Kern County

Study Area: This study will focus on **Kern** County and will consist of ten transects in central and northern portions of the county as shown in figure E-1. Table E-1 provides a summary of the planned numbers of wells and the four-section surveys included in the transect areas. Tables E-2 – E-11 present the detailed section list and wells to be sampled for each of the ten transects. Figures E-2 –E-7 show more detailed views of these transects. Up to 106 wells will be sampled for the planned transects in Kern County. The numbers of potential wells listed for the individual transects were based on the assumption that the transects are done in order and the wells in overlapping sections are counted in the lowest numbered transect to avoid double counting.

Table E-1. Summary of Transect Lines in Kern County. See figure E-1

Kern Transect Number	Ref. Table/ Figure	Township, Range, Section		Potential Number Of Sections	Planned Number Of Wells	Four-Section Surveys and Transect Notes
		Starting	Ending			
01	E-2/ E-2	24S/27E-35	25S/26E-01	6	10	Z381 in Tulare Co. Bromacil, diuron, simazine, ACET verified. Z493 in Kern Co. Diuron, ACET verified. Overlaps Kern 02
02	E-3/ E-3	25S/26E-01	25S/26E-16	5	7	Z493 in Kern Co. Diuron, ACET verified. Z494 Bromacil, diuron, simazine, DACT, ACET verified. Overlaps Kern 01 and 03
03	E-4/ E-3	25S/26E-16	25S/26E-18	3	4	Z494 Bromacil, diuron, simazine, DACT, ACET verified. Z423 ACET verified. Overlaps Kern 02, 04 and 05.
04	E-5/ E-3	25S/26E-18	24S/25E-35	4	6	Z423 ACET verified. Simazine verified in Tulare Co. Transect overlaps Kern 03 and 05.
05	E-6/ E-4	25S/26E-18	25S/25E-31	9	14	Z423 ACET verified. Bromacil verified in 25S/25E-27. Z492 Diuron verified. Overlaps Kern 03, 04 and 06.
06	E-7/ E-4	25S/25E-31	26S/25E-24	9	14	Z492 and Z495 Diuron verified. Z383 Bromacil and diuron verified. Overlaps Kern 05.
07	E-8/ E-5	30S/26E-19	30S/27E-20	8	16	Diuron verified in 30S/26E-19. Z444 Atrazine, diuron, ACET and DEA verified. Overlaps Kern 08.
08	E-9/ E-5	30S/27E-20	31S/27E-08	5	8	Z444 Atrazine, diuron, ACET and DEA verified. Diuron verified in 31S/27E-08. Overlaps Kern 07.
09	E-10/ E-6	31S/27E-08	31S/28E-18	7	10	Diuron verified in 31S/27E-08. Simazine unverified in 31S/28E-18. Overlaps Kern 08 and 10.
10	E-11/ E-7	31S/28E-18	30S/29E-29	3	17	Simazine unverified in 31S/28E-18. Z391Bromacil, diuron, simazine verified. Overlaps Kern 09.
Total Wells					106	

Figure E-1. Study 240 overview of transect areas in Kern County. Detail figures for each transect are indicated by the large blue boxes.

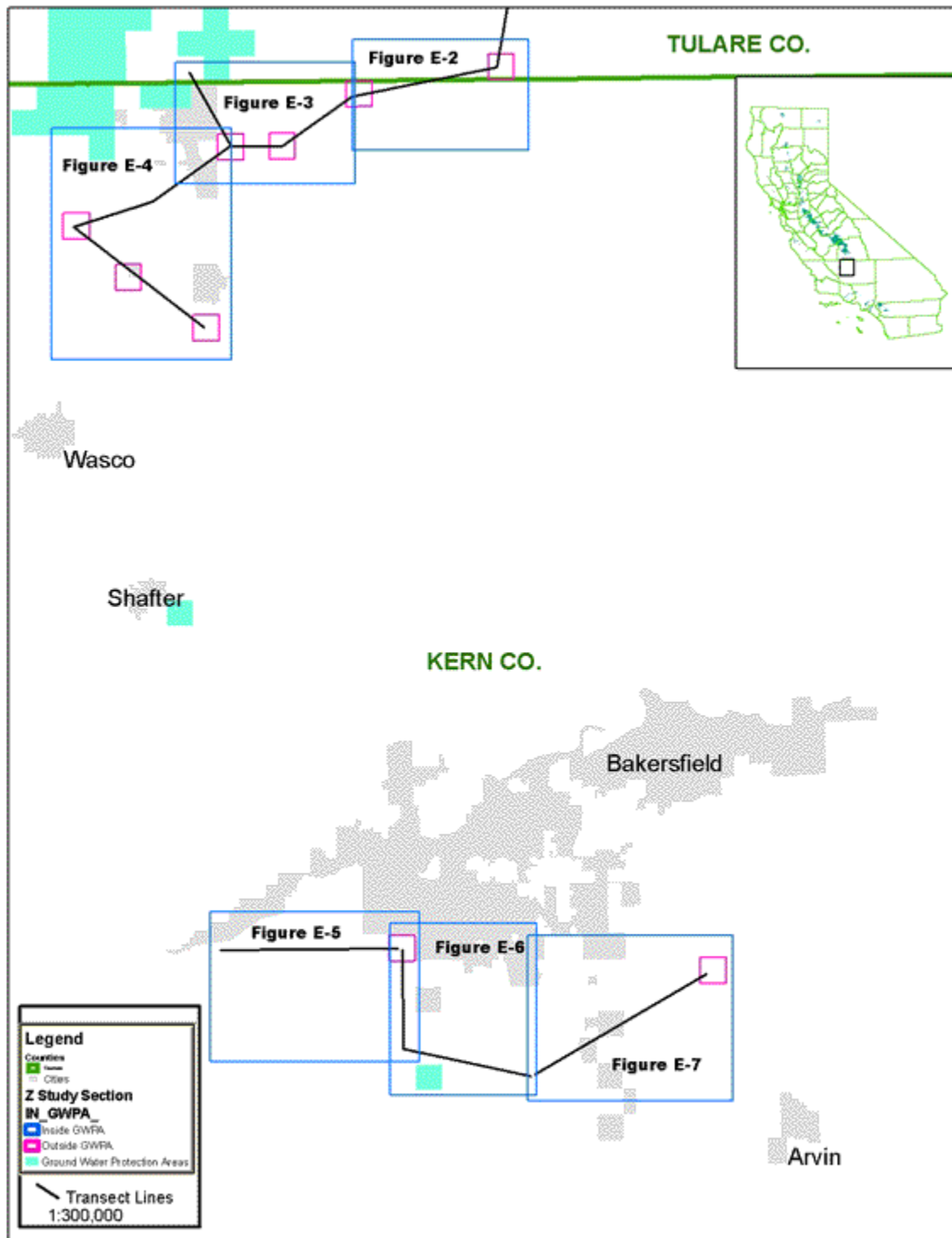


Table E-2 and Figure E-2 detail the Kern 01 transect line northeast of Delano extending into Tulare County. This line extends from 24S/27E-35 to 25S/26E-01. DPR has previously sampled two wells in the transect sections, the latest in 2002. Section 24S/27E-35 is the primary section for four-section survey Z381 (bromacil, diuron, simazine, and ACET) awaiting completion. Section 25S/26E-01 is the primary section for Z493 (diuron and ACET) awaiting completion. Up to 10 wells may be sampled.

Table E-2. Kern 01 Transect sections. See figure E-2.

Township, Range, Section	Last Year Sampled for Triazines	Previously Detected Pesticides	Planned Wells to Sample	Sampling Notes
24S/27E-35	1994	Bromacil, diuron, simazine, ACET	2	Z381 in Tulare Co. Bromacil, diuron, simazine, ACET verified.
24S/27E-34			2	
24S/27E-33			2	
25S/27E-04			1	
25S/27E-05			2	
25S/27E-06			2	
25S/26E-01	2002	Diuron, ACET	1	Z493 in Kern Co. Diuron, ACET verified. Overlaps Kern 02.
Total Wells			10	

Figure E-2. Study 240 Kern County transect 01

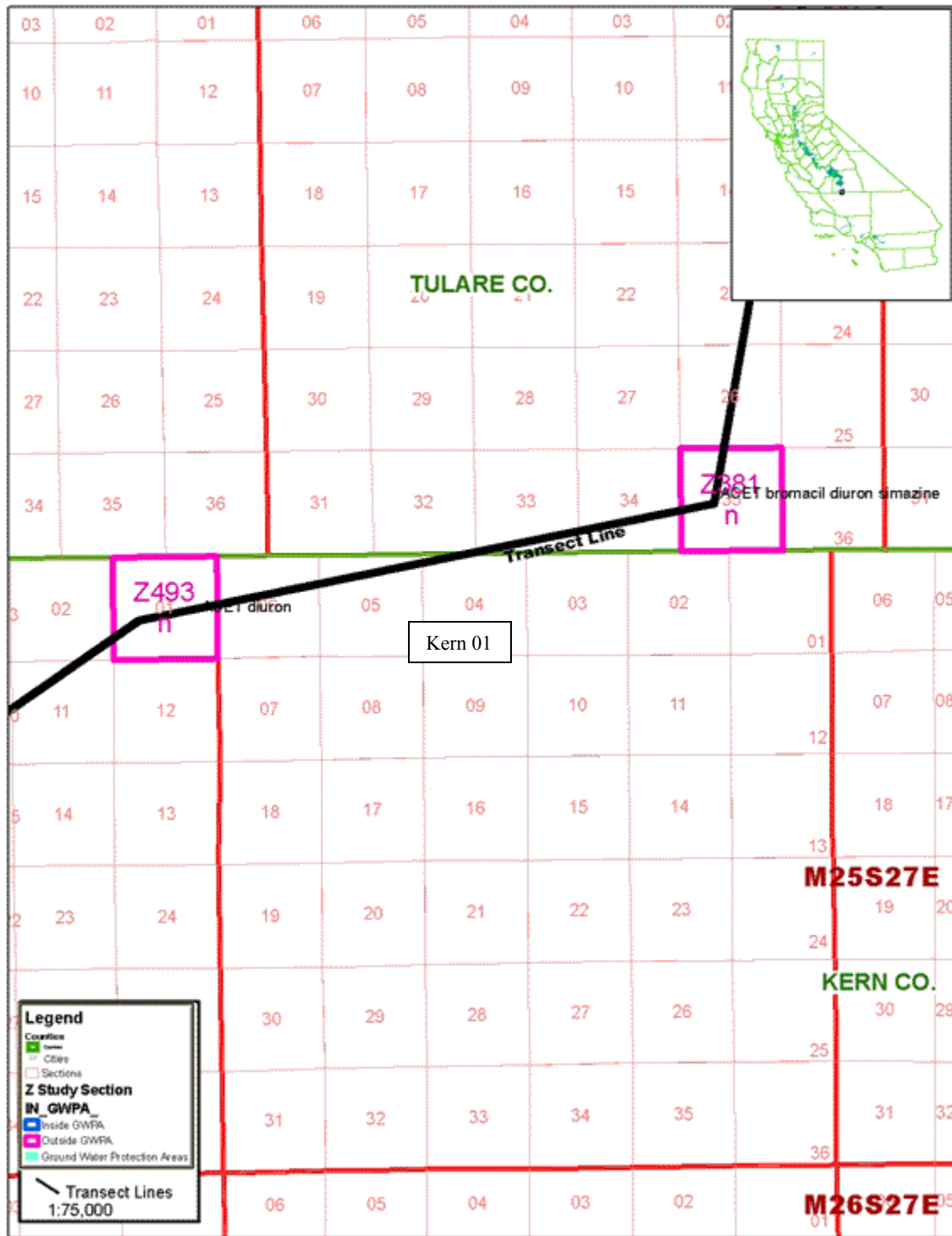


Table E-3 and Figure E-3 detail the Kern 02 transect line northeast of Delano. This line extends from 25S/26E-01 to 25S/26E-16. DPR has previously sampled two wells in the transect sections, both in 2002. Section 25S/26E-01 is the primary section for four-section survey Z493 (diuron and ACET) awaiting completion. If one well is sampled here for Kern transect 01, no further wells need be sampled. Section 25S/26E-16 is the primary section for four-section survey Z494 (bromacil, diuron, simazine, ACET, and DACT) awaiting completion. Up to seven wells may be sampled.

Table E-3. Kern 02 Transect sections. See figure E-3

Township, Range, Section	Last Year Sampled for Triazines	Previously Detected Pesticides	Planned Wells to Sample	Sampling Notes
25S/26E-01	2002	Diuron, ACET	0	Z493 Diuron, ACET verified. Overlaps Kern 01.
25S/26E-02			1	
25S/26E-11			2	
25S/26E-10			2	
25S/26E-15			1	
25S/26E-16	2002	Bromacil, diuron, simazine, ACET, DACT	1	Z494 Bromacil, diuron, simazine, ACET, DACT verified. Overlaps Kern 03. Do not resample well sampled for GW02.
Total Wells			7	

Table E-4 and Figure E-3 detail the Kern 03 transect line just east of Delano. This line extends from 25S/26E-16 to 25S/26E-18. DPR has previously sampled two wells in the transect sections, the latest in 2002. Section 25S/26E-16 is the primary section for four-section survey Z494 (bromacil, diuron, simazine, ACET, and DACT). If two wells are sampled here for transect Kern 02, no further wells need be sampled. Section 25S/26E-18 is the primary section for four-section survey Z423 (ACET). Additionally, this section overlaps the Kern transects 04 and 05. Up to four wells may be sampled.

Table E-4. Kern 03 Transect sections. See figure E-3

Township, Range, Section	Last Year Sampled for Triazines	Previously Detected Pesticides	Planned Wells to Sample	Sampling Notes
25S/26E-16	2002	Bromacil, diuron, simazine, ACET, DACT	0	Z494 Bromacil, diuron, simazine, ACET, DACT verified. Overlaps Kern 02, 04 and 05.
25S/26E-17			2	
25S/26E-18	1998	ACET	2	Z423 ACET verified. Overlaps Kern 04 and 05.
Total Wells			4	

Table E-5 and Figure E-3 detail the Kern 04 transect line northwest of Delano. This line extends from 25S/26E-18 to 24S/25E-35 in Tulare Co. DPR has previously sampled three wells in the transect sections, both in 1998. Section 25S/26E-18 is the primary section for four-section survey Z423 (ACET). If two wells are sampled here for transect Kern 03, no further wells need be

sampled. Section 24S/25E-35 is adjacent to GWPA's on three sides and has a verified detection of simazine. Up to six wells may be sampled.

Table E-5. Kern 04 Transect sections. See figure E-3

Township, Range, Section	Last Year Sampled for Triazines	Previously Detected Pesticides	Planned Wells to Sample	Sampling Notes
25S/26E-18	1998	ACET	0	Z423 ACET verified. Overlaps Kern 03 and 05.
25S/26E-07			1	
25S/25E-12			2	Urban
25S/25E-01			2	Urban
24S/25E-35	1998	Simazine	1	Section adjacent to 3 GWPA's. Tulare Co.
Total Wells			6	

Figure E-3: Study 240 Kern County transects 02, 03, and 04

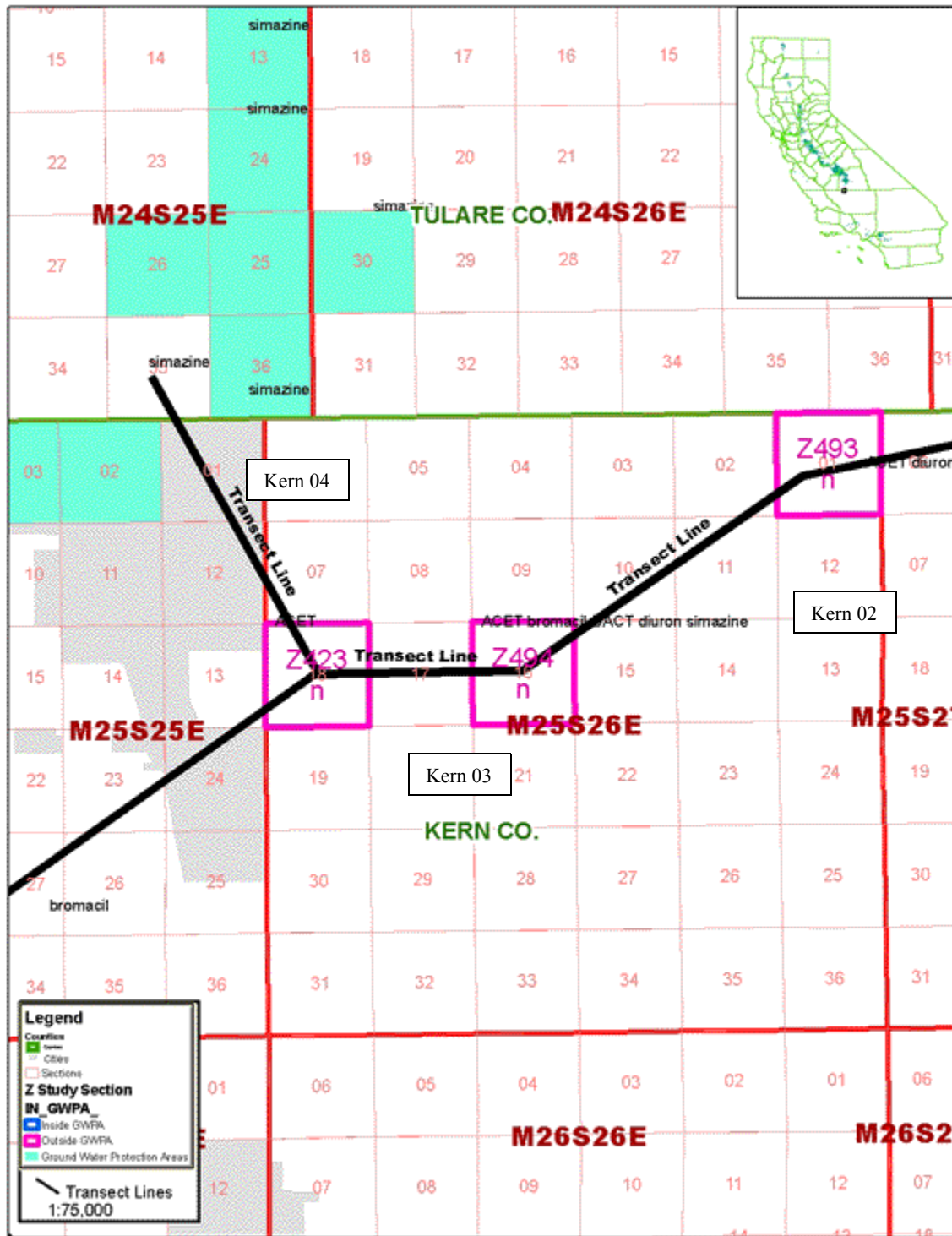


Table E-6 and Figure E-4 detail the Kern 05 transect line southwest of Delano. This line extends from 25S/26E-18 to 25S/25E-31. DPR has previously sampled eight wells in the transect sections, the most recent in 2002. Section 25S/26E-18 is the primary section for four-section survey Z423 (ACET) awaiting completion. If two wells are sampled here for transect Kern 03, no further wells need be sampled. Section 25S/25E-31 is the primary section for four-section survey Z492 (diuron) awaiting completion. Up to 14 wells may be sampled.

Table E-6. Kern 05 Transect sections. See figure E-4

Township, Range, Section	Last Year Sampled for Triazines	Previously Detected Pesticides	Planned Wells to Sample	Sampling Notes
25S/26E-18	1998	ACET	0	Z423 ACET verified. Overlaps Kern 03 and 04.
25S/25E-13			1	
25S/25E-24			2	
25S/25E-23			2	
25S/25E-26	1992		1	
25S/25E-27	1992	Bromacil	2	Bromacil verified. Four other wells sampled for Z136, no further residues detected.
25S/25E-28	1990		2	
25S/25E-33			1	
25S/25E-32			2	
25S/25E-31	2002	Diuron	1	Z492 Diuron verified. Overlaps Kern 06. Do not resample well sampled for GW02.
Total Wells			14	

Table E-7 and Figure E-4 detail the Kern 06 transect line west of McFarland. This line extends from 25S/25E-31 to 26S/25E-24. DPR has previously sampled five wells in the transect sections, the latest in 2002. Section 25S/25E-31 is the primary section for four-section survey Z492 (diuron). If one well is sampled here for transect Kern 05, no further wells need be sampled. Section 26S/25E-09 is the primary section for four-section survey Z495 (diuron). Section 26S/25E-24 is the primary section for four-section survey Z383 (bromacil, diuron). Up to 14 wells may be sampled.

Table E-7. Kern 06 Transect sections. See figure E-4

Township, Range, Section	Last Year Sampled for Triazines	Previously Detected Pesticides	Planned Wells to Sample	Sampling Notes
25S/25E-31	2002	Diuron	0	Z492 Diuron verified. Overlaps Kern 05. Do not resample well sampled for GW02.
26S/25E-06			1	
26S/25E-05	1990		2	
26S/25E-04			1	
26S/25E-09	2002	Diuron	1	Z495 Diuron verified. Do not resample well sampled for GW02.
26S/25E-10			2	
26S/25E-15			2	
26S/25E-14			2	
26S/25E-23			1	
26S/25E-24	1994	Bromacil, diuron	2	Z383 Bromacil, diuron verified.
Total Wells			14	

Figure E-4: Study 240 Kern County transects 05 and 06.

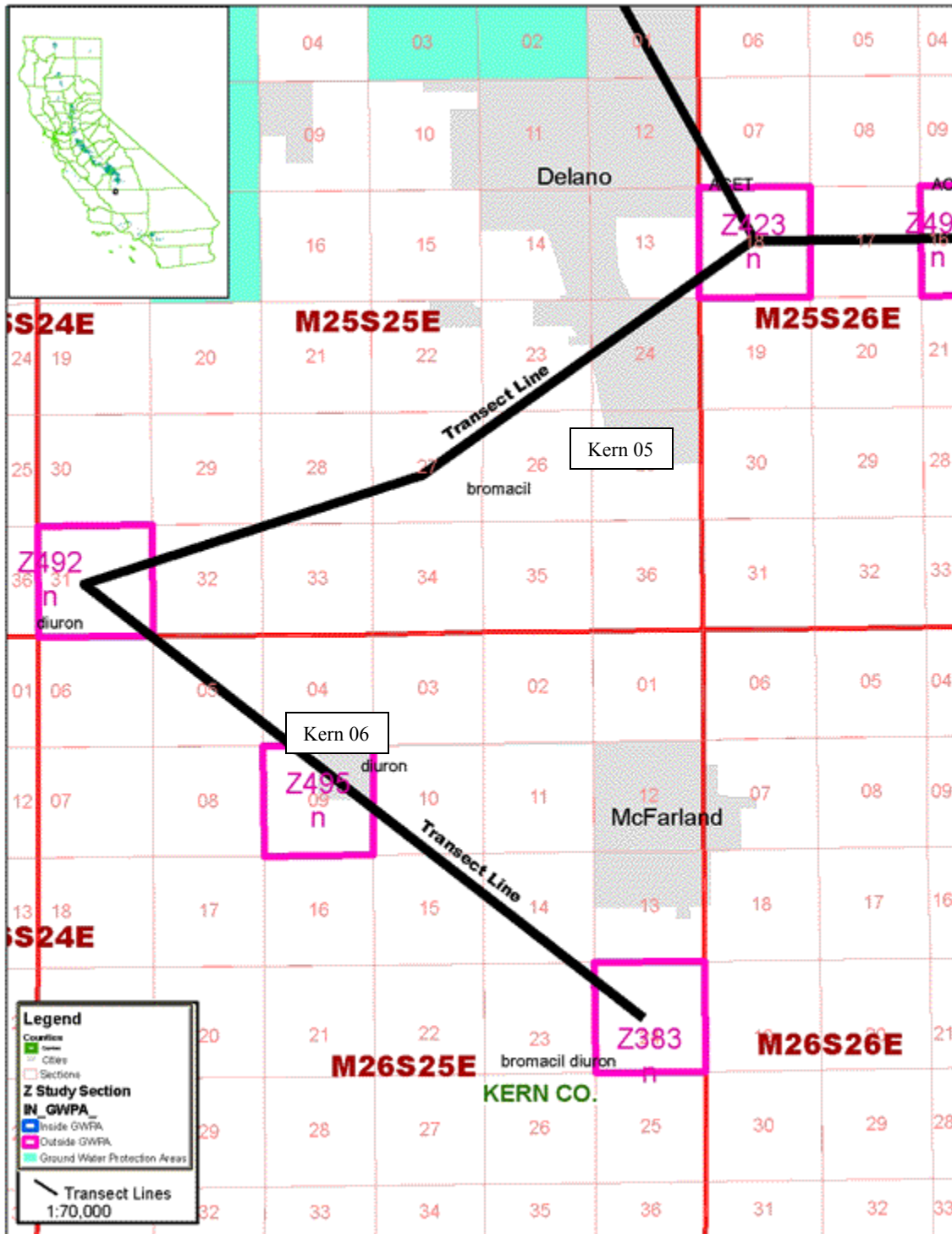


Table E-8 and Figure E-5 detail the Kern 07 transect line southwest of Bakersfield. This line extends from 30S/26E-19 to 30S/27E-20. DPR has previously sampled three wells in the transect sections, the most recent in 2001. Section 30S/26E-19 had an unverified report of diuron in a monitoring well. Z231 was initiated but no residues were detected. Section 30S/27E-20 is the primary section for four-section survey Z444 (atrazine, diuron, ACET, DEA) awaiting completion. Up to 16 wells may be sampled.

Table E-8. Kern 07 Transect sections. See figure E-5

Township, Range, Section	Last Year Sampled for Triazines	Previously Detected Pesticides	Planned Wells to Sample	Sampling Notes
30S/26E-19	1994	Diuron	2	Diuron unverified. Two wells sampled for Z231, no residues detected.
30S/26E-20			2	
30S/26E-21			2	
30S/26E-22			2	
30S/26E-23			2	
30S/26E-24			2	
30S/27E-19			2	
30S/27E-20	2001	Atrazine, diuron, ACET, DEA	2	Z444 Atrazine, diuron, ACET, DEA verified. Overlaps Kern 08.
Total Wells			16	

Table E-9 and Figure E-5 detail the Kern 08 transect line south of Bakersfield. This line extends from 30S/27E-20 to 31S/27E-08. DPR has previously sampled three wells in the transect sections, the latest in 2001. Section 30S/27E-20 is the primary section for four-section survey Z444 (atrazine, diuron, ACET, DEA) awaiting completion. If two wells are sampled here for transect Kern 07, no further wells need be sampled. Section 31S/27E-08 has verified residues of diuron reported in 2000, is adjacent to a GWPA and overlaps transect Kern 09. Up to eight wells may be sampled.

Table E-9. Kern 08 Transect sections. See figure E-5

Township, Range, Section	Last Year Sampled for Triazines	Previously Detected Pesticides	Planned Wells to Sample	Sampling Notes
30S/27E-20	2001	Atrazine, diuron, ACET, DEA	0	Z444 Atrazine, diuron, ACET, DEA verified. Overlaps Kern 07.
30S/27E-29			2	
30S/27E-32			2	
31S/27E-05			2	
31S/27E-08	2000	Diuron	2	Diuron verified. One other well sampled with no residues.
Total Wells			8	

Figure E-5: Study 240 Kern County transects 07 and 08.

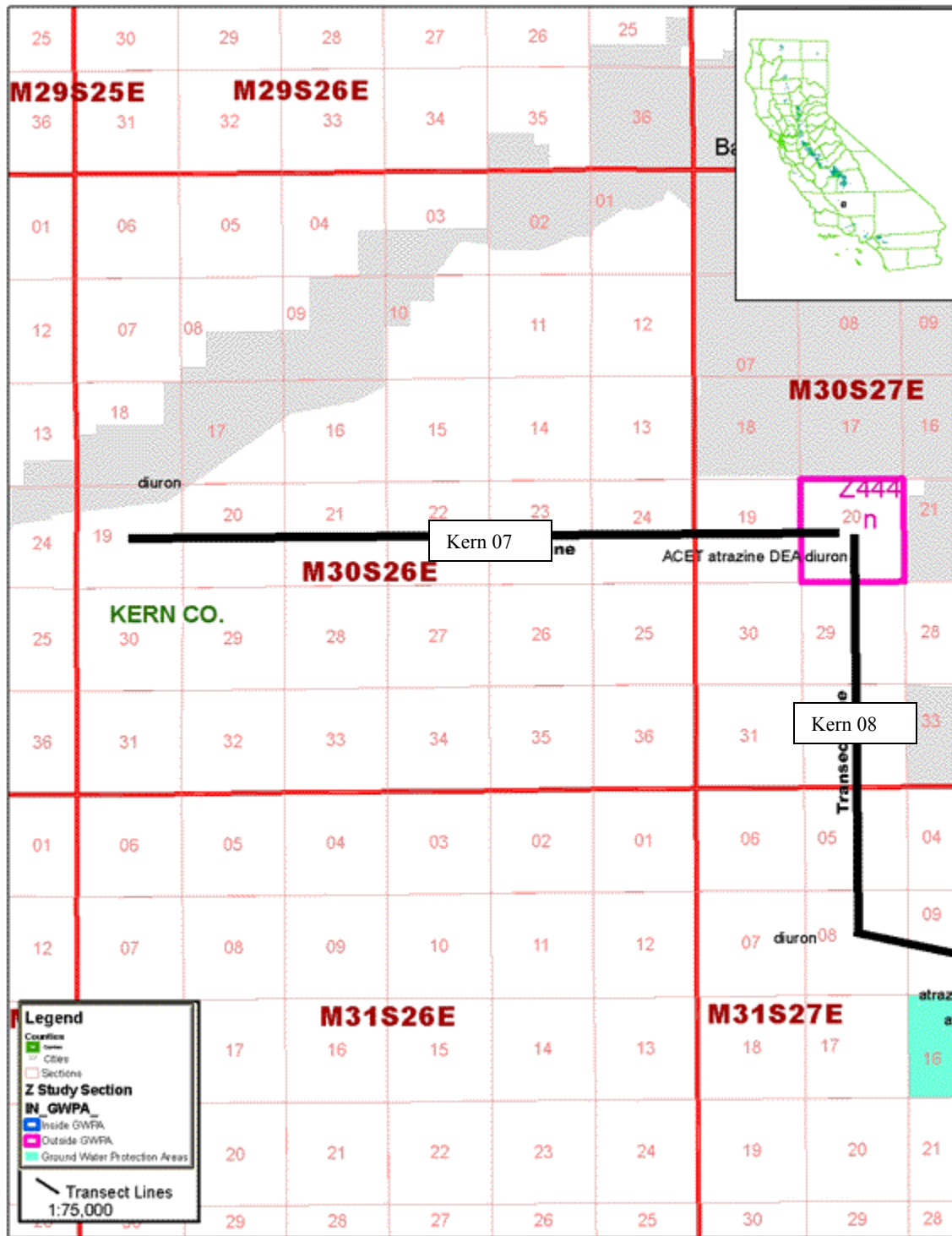


Table E-10 and Figure E-6 detail the Kern 09 transect line south of Bakersfield. This line extends from 31S/27E-08 to 31S/28E-18. DPR has previously sampled 13 wells in the transect sections, the most recent in 2000. Section 31S/27E-08 had a verified detection of diuron. Section 31S/28E-18 had an unverified detection of simazine. Four other wells were sampled in 1993 but no other residues were detected. Up to 10 wells may be sampled.

Table E-10. Kern 09 Transect sections. See figure E-6

Township, Range, Section	Last Year Sampled for Triazines	Previously Detected Pesticides	Planned Wells to Sample	Sampling Notes
31S/27E-08	2000	Diuron	0	Diuron verified. One other well sampled with no residues. Overlaps Kern 08
31S/27E-09	2000		2	
31S/27E-10	2000		2	
31S/27E-11			1	
31S/27E-14			1	
31S/27E-13			2	
31S/27E-18	1993	Simazine	2	Simazine unverified. Seven other wells sampled with no residues. Overlaps Kern 10.
Total Wells			10	

Table E-11 and Figure E-7 detail the Kern 10 transect line southeast of Bakersfield. This line extends from 31S/28E-18 to 30S/29E-29. DPR has previously sampled eight wells in the transect sections, the latest in 1995. Section 31S/28E-18 had an unverified detection of simazine. Seven other wells were sampled in 1993 but no other residues were detected. If two wells are sampled here for transect Kern 09, no further wells need be sampled. Section 30S/29E-29 is the primary section for four-section survey Z391 (bromacil, diuron and simazine). Up to 17 wells may be sampled.

Table E-11. Kern 10 Transect sections. See figure E-7

Township, Range, Section	Last Year Sampled for Triazines	Previously Detected Pesticides	Planned Wells to Sample	Sampling Notes	
31S/28E-18	1993	Simazine	0	Simazine unverified. Seven other wells sampled with no residues. Overlaps Kern 09.	
31S/28E-17			1		
31S/28E-08			1		
31S/28E-09			2		
31S/28E-10			1		
31S/28E-03			2		
31S/28E-02			2		
30S/28E-35			1		
30S/28E-36			2		
30S/29E-31			2		
30S/29E-30			1		
30S/29E-29	1995	Bromacil, diuron, simazine	2		Z391 Bromacil, diuron, simazine verified.
Total Wells			17		

Figure E-6: Study 240 Kern County transect 09.

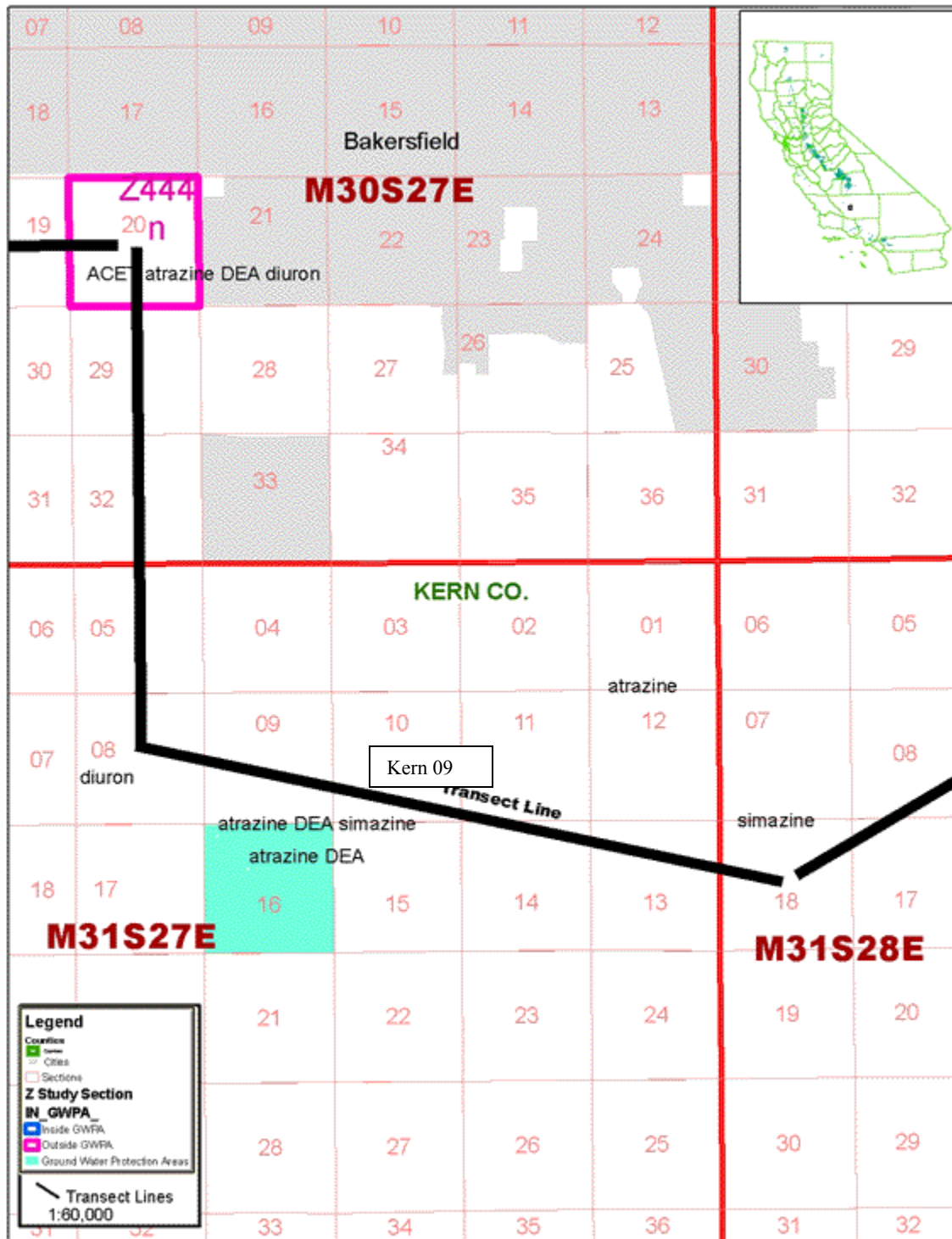
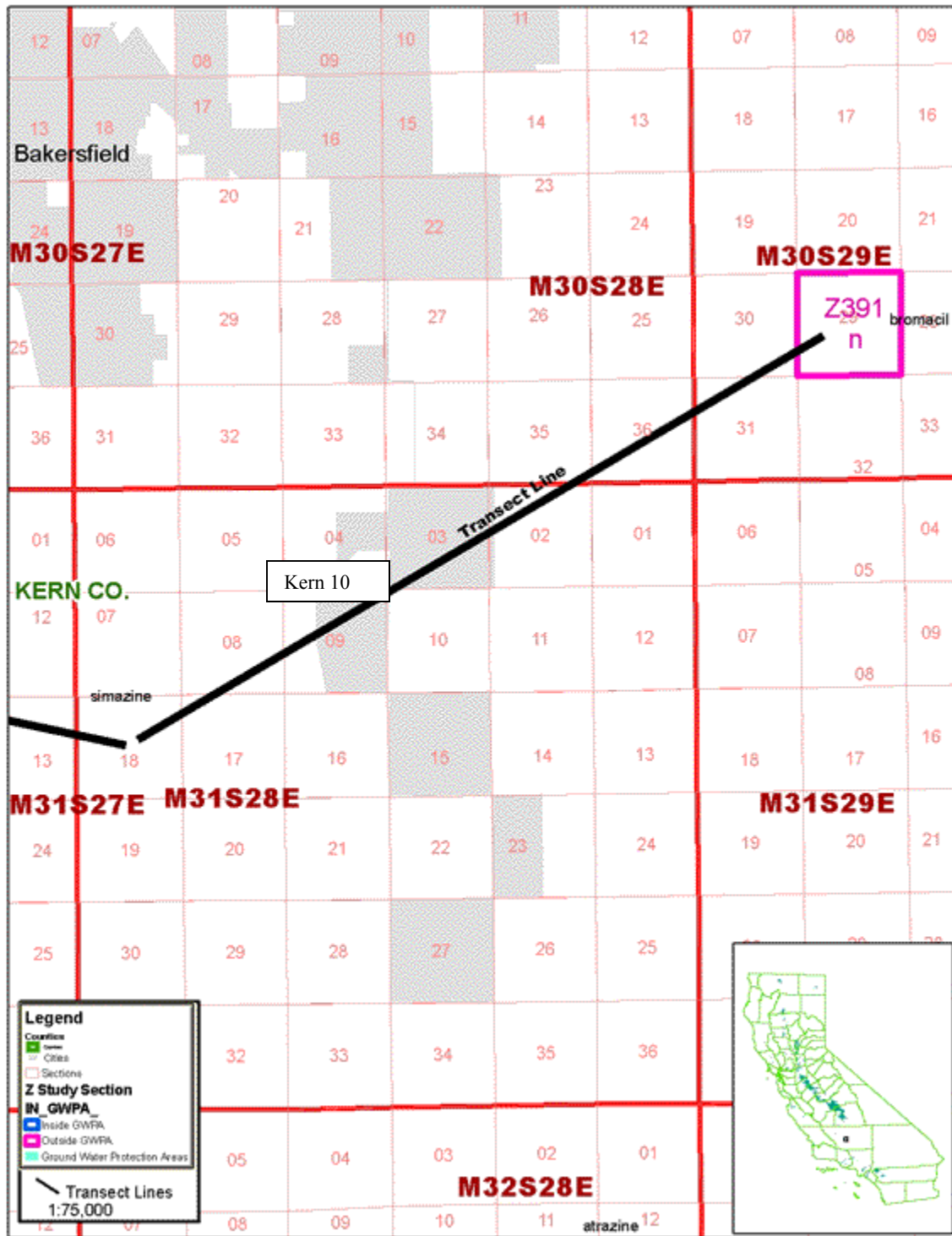


Figure E-7: Study 240 Kern County transect 10.



Appendix F: Kings County

Study Area: This study will focus on **Kings** County and will consist of three transects in northern portions of the county as shown in figure F-1. An additional transect in eastern Kings County will be detailed in the Tulare County appendix. Table F-1 provides a summary of the planned numbers of wells and the four-section surveys included in the transect areas. Tables F-2 – F-4 present the detailed section list and wells to be sampled for each of the three transects. Figures F-2 –F-3 show more detailed views of these transects. Up to 31 wells will be sampled for the planned transects in Kings County. The numbers of potential wells listed for the individual transects assumes that the transects are done in order and the wells in overlapping sections are counted in the lowest numbered transect to avoid double counting.

Table F-1. Summary of Transect Lines in Kings County

Kings Transect Number	Ref. Table/ Figure	Township, Range, Section		Potential Number Of Sections	Planned Number Of Wells	Four-Section Surveys and Transect Notes
		Starting	Ending			
01	F-2/ F-2	17S19E-36	18S/20E-02	7	8	Originates in Fresno Co. Verified diuron detections at each end. Transect passes through GWPA. Overlaps Kings 02 and 03
02	F-3/ F-2	18S/20E-02	18S/20E-29	8	12	Verified diuron detection at the northern end, verified diuron and prometon at the southern end. Overlaps Kings 01 and 03
03	F-4/ F-3	18S/20E-02	18S/21E-11	8	11	Verified diuron detection at the northern end, verified diuron and simazine at the eastern end. Overlaps Kings 01 and 02.
Total Wells					31	

Figure F-1. Study 240 overview of transect areas in Kings County. Detail figures for each transect are indicated by the large blue boxes.

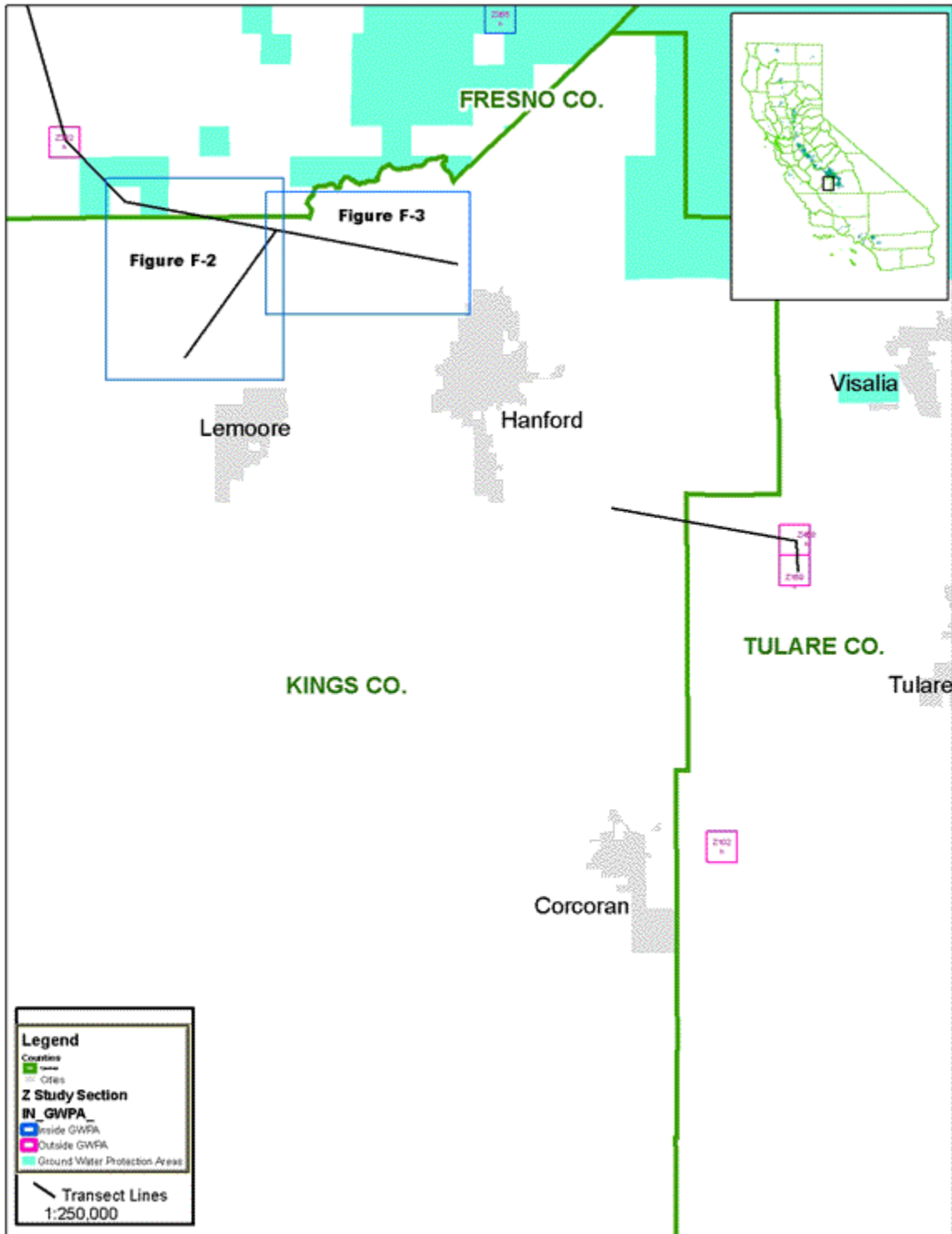


Table F-2 and Figure F-2 detail the Kings 01 transect line north of Lemoore. This line extends from 17S19E-36 in Fresno County to 18S/20E-02 in Kings County. DPR has previously sampled seven wells in the transect sections, the most recent in 2001. Section 17S19E-36 has a verified detection of diuron. If two wells are sampled here for transect Fresno 10, no further wells need be sampled. Section 25S/25F-31 is the primary section for four-section survey Z492 (diuron) awaiting completion. Up to eight wells may be sampled.

Table F-2. Kings 01 Transect sections. See figure F-2

Township, Range, Section	Last Year Sampled for Triazines	Previously Detected Pesticides	Planned Wells to Sample	Sampling Notes
17S19E-36	2001	Diuron	0	Diuron verified. Overlaps Fresno 10.
17S20E-31			0	GWPA
17S20E-32			2	
17S20E-33			1	
18S20E-04			1	
18S20E-03			2	
18S20E-02	1994	Diuron	2	Diuron verified. Overlaps Kings 02 and 03.
Total Wells			8	

Table F-3 and Figure F-2 detail the Kings 02 transect line north of Lemoore. This line extends from 18S/20E-02 to 18S/20E-29. DPR has previously sampled six wells in the transect sections, the latest in 1994. Section 18S/20E-02 contains one well with a verified detection of diuron. Four other wells have been sampled in the section with no additional pesticide residues reported. If two wells are sampled here for transect Kings 01, no further wells need be sampled. Section 18S/20E-29 contains one well with a verified detection of diuron and prometon. Up to 12 wells may be sampled.

Table F-3. Kings 02 Transect sections. See figure F-2

Township, Range, Section	Last Year Sampled for Triazines	Previously Detected Pesticides	Planned Wells to Sample	Sampling Notes
18S20E-02	1994	Diuron	0	Diuron verified. Overlaps Kings 02 and 03.
18S20E-11			1	
18S20E-10			2	
18S20E-15	1985		2	
18S20E-16			2	
18S20E-21			2	
18S20E-20			1	
18S20E-29	1994	Diuron, prometon	2	Diuron and prometon verified.
Total Wells			12	

Figure F-2: Study 240 Kings County transects 01 and 02.

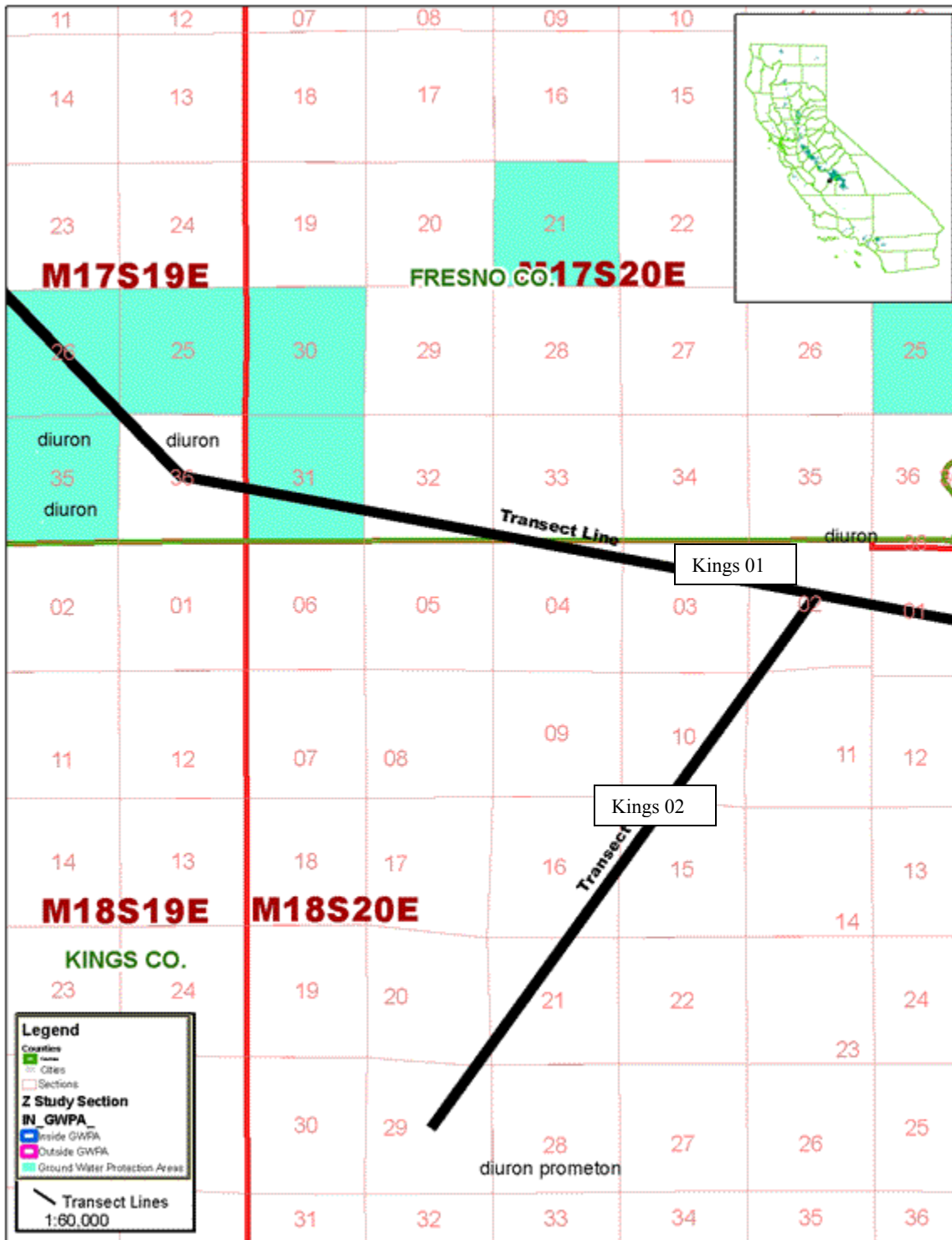
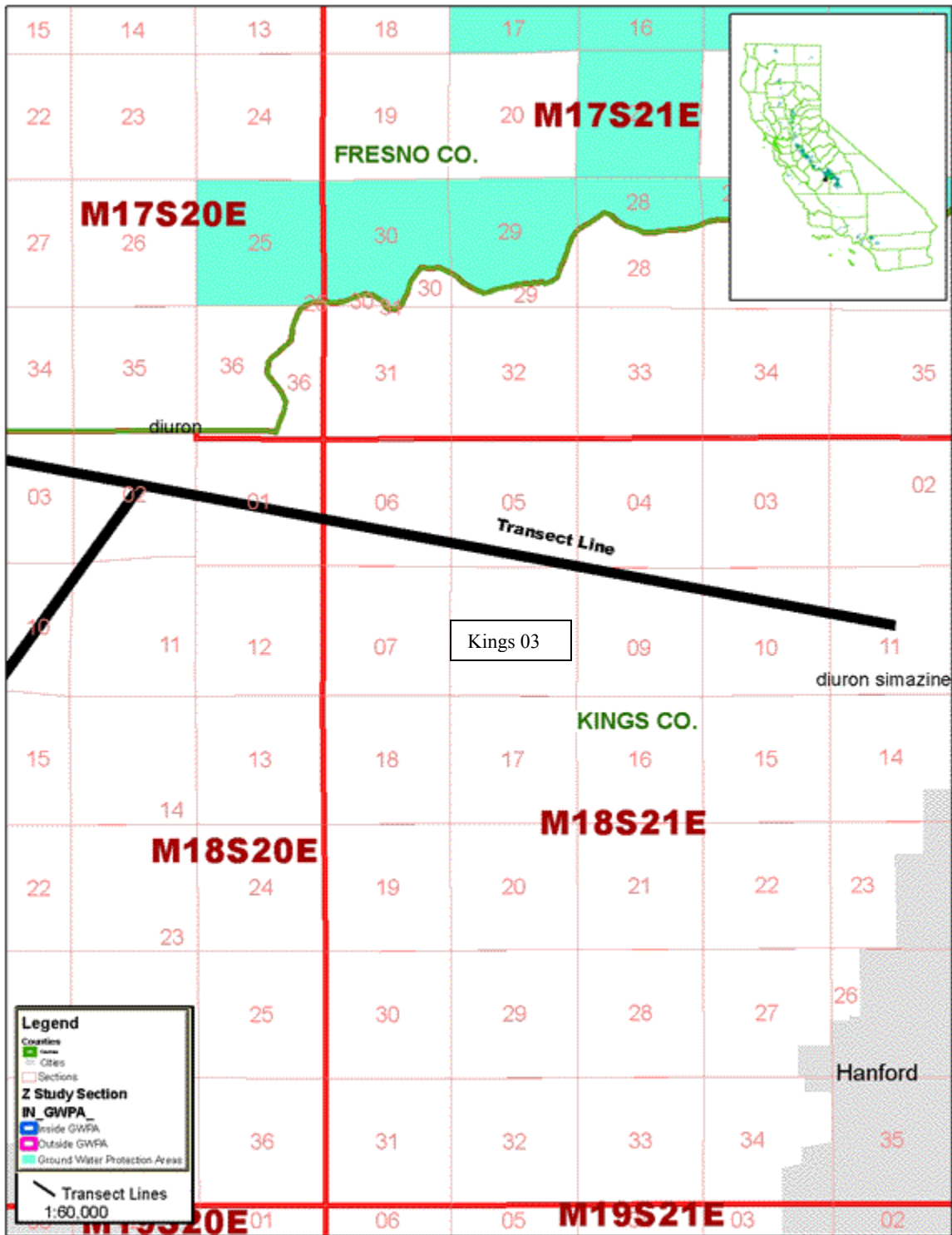


Table F-4 and Figure F-3 detail the Kings 03 transect line north of Lemoore. This line extends from 18S/20E-02 to 18S/21E-11. DPR has previously sampled nine wells in the transect sections, the latest in 1994. Section 18S/20E-02 contains one well with a verified detection of diuron. Four other wells have been sampled in the section with no additional pesticide residues reported. If two wells are sampled here for transect Kings 01, no further wells need be sampled. Section 18S/21E-11 contains one well with a verified detection of diuron and simazine. Three other wells have been sampled in the section with no additional pesticide residues reported. Up to 11 wells may be sampled.

Table F-4. Kings 03 Transect sections. See figure F-3

Township, Range, Section	Last Year Sampled for Triazines	Previously Detected Pesticides	Planned Wells to Sample	Sampling Notes
18S20E-02	1994	Diuron	0	Diuron verified. Overlaps Kings 01 and 02.
18S20E-01			1	
18S21E-06			2	
18S21E-05			2	May also sample in section 18S21E-08.
18S21E-04	1985		1	May also sample in section 18S21E-08.
18S21E-09			1	
18S21E-10			2	
18S21E-11	1994	Diuron, simazine	2	Diuron and simazine verified.
Total Wells			11	

Figure F-3: Study 240 Kings County transect 03.



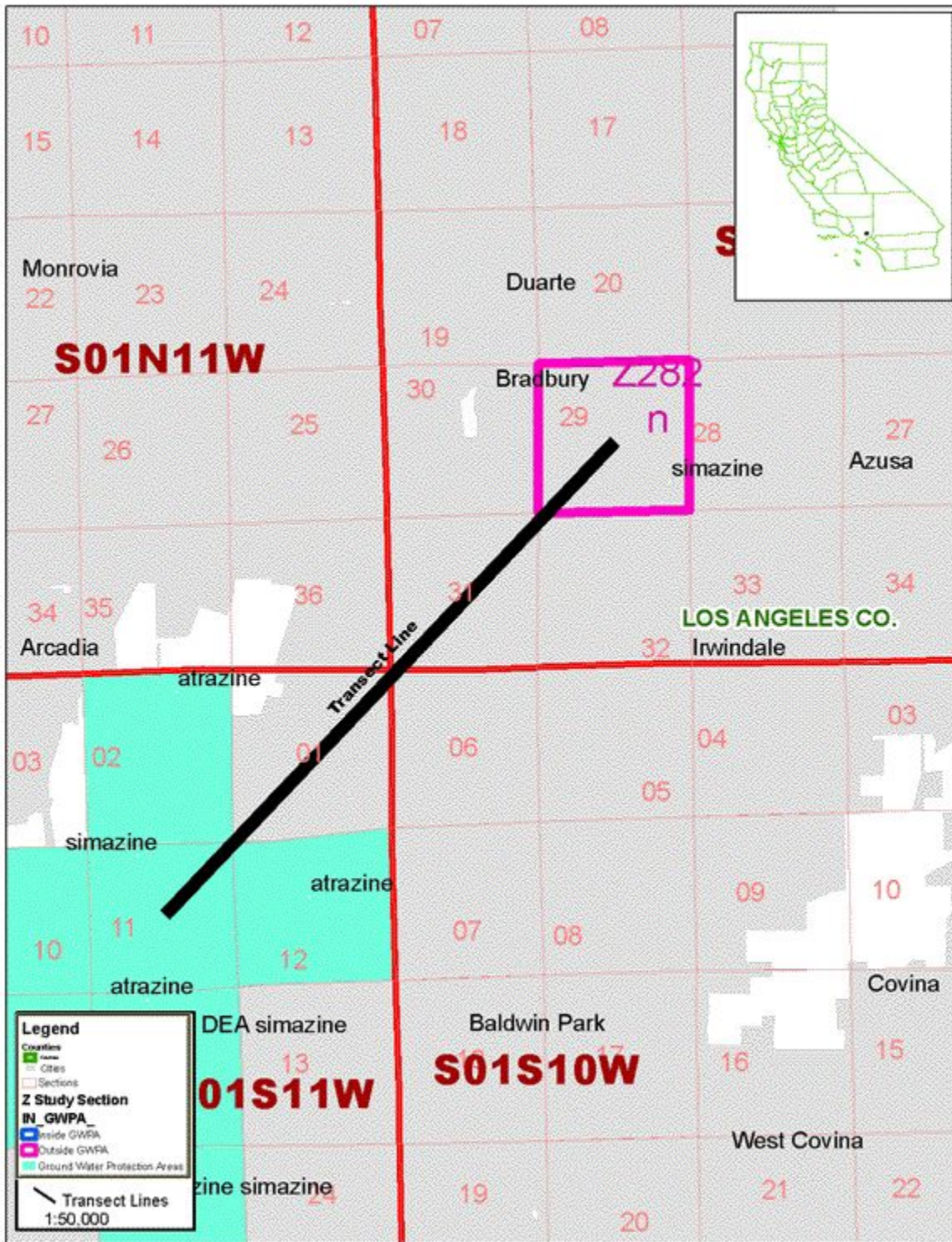
Appendix G. Los Angeles County

Study Area: The study will focus on Los Angeles County and will consist of a single transect extending from section 01N/10W-29 southwest through section 01S/11W-11. All sections are urban. Two additional wells will be sampled in each section in the transect except as noted in Table G-1. Figure G-1 shows the transect line in Bradbury in Los Angeles County. DPR has previously sampled two wells in the transect sections, the latest in 1985. Section 01N/10W-29 has an unverified detection of simazine. Section 01S/11W-11 is already a GWPA. Up to eight wells may be sampled for this transect.

Table G-1. Transect sections in Los Angeles County

Township, Range, Section	Last Year Sampled for Triazines	Previously Detected Pesticides	Planned Wells to Sample	Sampling Notes
01N/10W-29	2004	Simazine	2	Unverified detection of simazine reported in 1993.
01N/10W-32			1	
01N/10W-31			2	
01S/10W-06			1	
01S/11W-01			2	
01S/11W-11	1988	Simazine	0	GWPA
Total Wells			8	

Figure G-1: Study 240 Los Angeles County transect 01.



Appendix H. Madera County

Study Area: This study will focus on **Madera** County and will consist of two transects in northwest and southern portions of the county as shown in figure H-1. Table H-1 provides a summary of the planned numbers of wells and the four-section surveys included in the transect areas. Tables H-2 – H-3 present the detailed section list and wells to be sampled for each of the three transects. Figures H-2 –H-3 show more detailed views of these transects. Up to 24 wells will be sampled for the planned transects in Madera County.

Table H-1. Summary of Transect Lines in Madera County

Madera Transect Number	Ref. Table/ Figure	Township, Range, Section		Potential Number Of Sections	Planned Number Of Wells	Four-Section Surveys and Transect Notes
		Starting	Ending			
01	H-2/ H-2	09S15E-35	10S/15E-18	8	14	Verified diuron detections in each anchor section.
02	H-3/ H-3	11S/17E-28	12S/17E-22	7	10	Z474 Atrazine, bromacil, ACET, DACT, DEA verified. Z475 Atrazine, bromacil, diuron, simazine, ACET, DACT, DEA verified. Southern anchor is adjacent to GWPAs.
Total Wells					24	

Figure H-1. Study 240 overview of transect areas in Madera County. Detail figures for each transect are indicated by the large blue boxes.

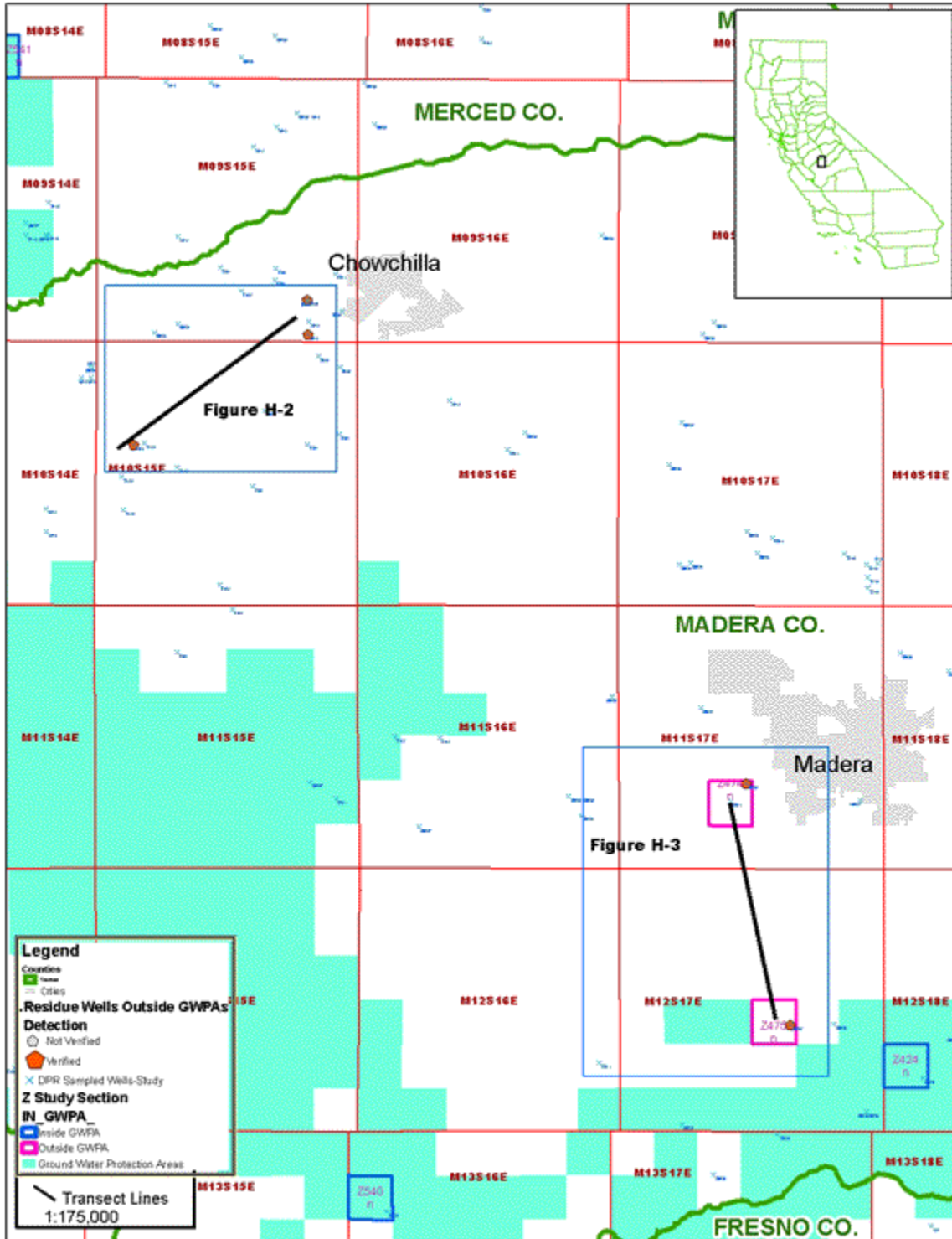


Table H-2 and Figure H-2 detail the Madera 01 transect line west of Chowchilla. This line extends from 09S/15E-35 to 10S/15E-18. DPR has previously sampled seven wells in the transect sections, the latest in 1992. Section 09S/15E-35 contains two wells with verified detections of diuron. Two other wells have been sampled in the section with no additional pesticide residues reported. Section 10S/15E-18 contains one well with a verified detection of diuron. Up to 14 wells may be sampled.

Table H-2. Madera 01 Transect sections. See figure H-2

Township, Range, Section	Last Year Sampled for Triazines	Previously Detected Pesticides	Planned Wells to Sample	Sampling Notes
09S/15E-35	1991	Diuron	2	Two wells with diuron verified.
09S/15E-34			1	
10S/15E-03			2	
10S/15E-04			2	
10S/15E-09			2	May also sample in section 10S/15E-05.
10S/15E-08			2	
10S/15E-17	1992		1	May also sample in section 10S/15E-08
10S/15E-18	1991	Diuron	2	Diuron verified.
Total Wells			14	

Table H-3 and Figure H-2 detail the Madera 01 transect line south of Madera. This line extends from 11S/17E-28 to 12S/17E-22. DPR has previously sampled three wells in the transect sections, the latest in 2002. Section 11S/17E-28 contains one well with verified detections of atrazine, bromacil, ACET, DACT, and DEA. One other well has been sampled in the section with no additional pesticide residues reported. Section 12S/17E-22 contains one well with a verified detection of atrazine, bromacil, diuron, simazine, ACET, DACT, and DEA. Up to 10 wells may be sampled.

Table H-3. Madera 02 Transect sections. See figure H-3

Township, Range, Section	Last Year Sampled for Triazines	Previously Detected Pesticides	Planned Wells to Sample	Sampling Notes
11S/17E-28	2002	Atrazine, DEA, bromacil, ACET, DACT	1	Z474 Atrazine, bromacil, ACET, DACT, DEA verified. Do not resample GW02 well.
11S/17E-33			1	
12S/17E-04			2	
12S/17E-09			1	May also sample in section 12S/17E-03.
12S/17E-10			2	May also sample in section 12S/17E-16.
12S/17E-15			2	
12S/17E-22	2002	Atrazine, DEA, bromacil, diuron, simazine, ACET, DACT	1	Z475 Atrazine, bromacil, diuron, simazine, ACET, DACT, DEA verified. Southern anchor is adjacent to GWPAs. Do not resample the GW02 well.
Total Wells			10	

Figure H-2: Study 240 Madera County transect 01.

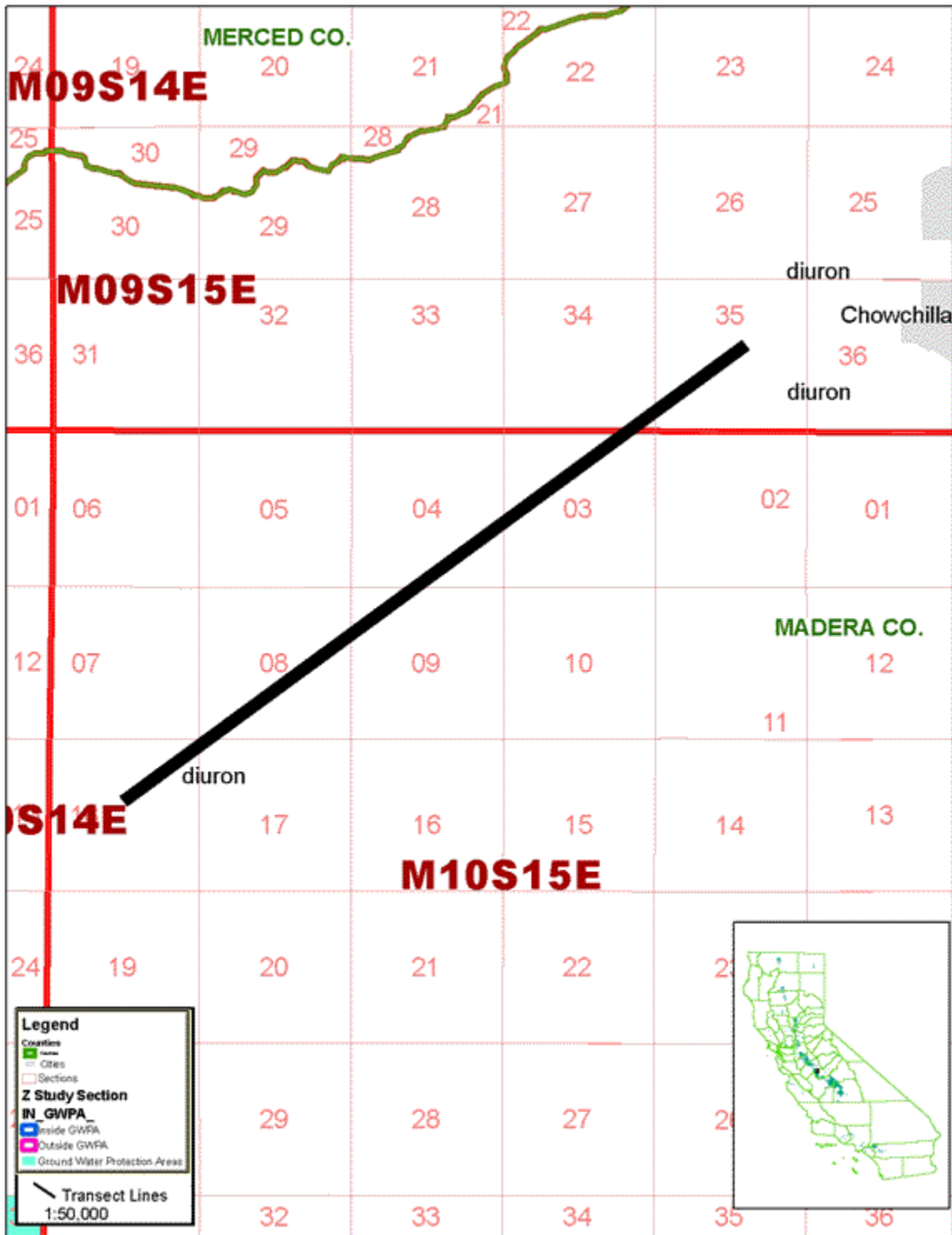
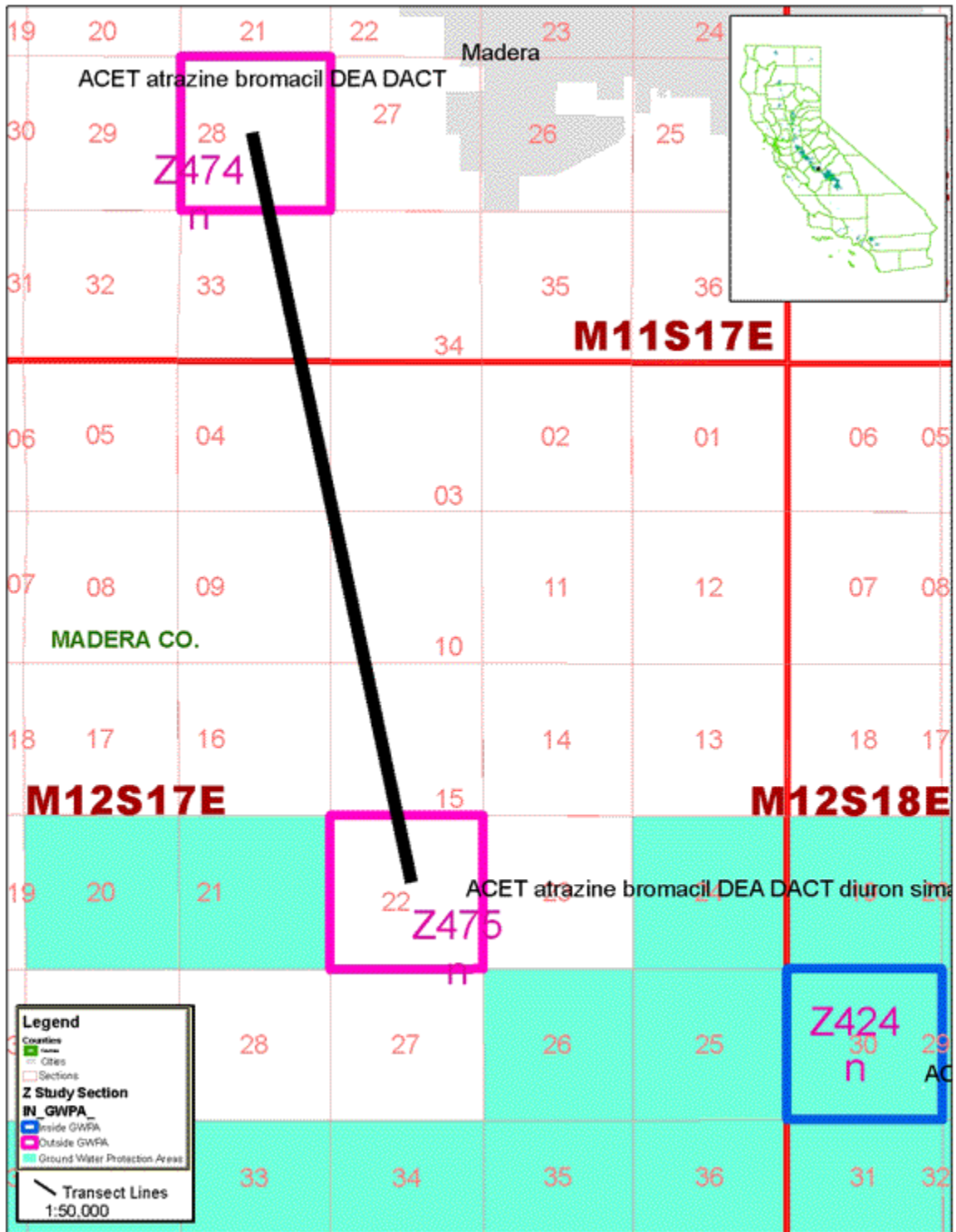


Figure H-3: Study 240 Madera County transect 02.



Appendix I. Merced County

Study Area: The study will focus on Merced County and will consist of a single transect extending from section 05S/11E-26 southeastward through section 06S/12E-05. Two additional wells will be sampled in each section in the transect except as noted in Table I-1. Figure I-1 shows the transect line just north of Livingston in Merced County. DPR has previously sampled six wells in the transect sections, the latest in 2002. Section 05S/11E-26 is the primary section for Z425 (ACET). Section 06S/12E-05 is the primary section for Z471 (bromacil). The closest GWPA is adjacent to the northern anchor of the transect. Up to nine wells may be sampled for this transect.

Table I-1. Transect sections in Merced County

Township, Range, Section	Last Year Sampled for Triazines	Previously Detected Pesticides	Planned Wells to Sample	Sampling Notes
05S/11E-26	1998	ACET	2	Z425 ACET verified. One additional well sampled in 1998, no pesticides were detected in that well.
05S/11E-25	1990		1	
05S/11E-36			2	
05S/12E-31			2	
06S/12E-06			1	May also sample in south east 05S/12E-32
06S/12E-05	2002	Bromacil	1	Z471 Bromacil verified. Do not resample GW02 well.
Total Wells			9	

Figure I-1: Study 240 Merced County transect 01.

