

ATTACHMENT C  
**POTENTIAL FLOODPLAIN COMPENSATION AREAS  
SPATIAL ANALYSIS RESULTS**

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**Attachment C**  
**Potential Floodplain Compensation Areas**  
**Spatial Analysis Results**

ID	Acres	Evaluation
C-1	1.28	Not well connected to floodplain near impact areas, south of CR 40.
C-2	12.53	Isolated, south of CR 40.
C-3	0.80	Isolated, at Heavy Haul Road/CR 40.
C-4	24.94	Not well connected to floodplain near impact areas, Southwest corner of South parcel at CR 40.
C-5	34.07	Isolated, south of CR 40.
C-6	20.55	Not well connected to floodplain near impact areas, Southwest corner of South parcel at CR 40.
C-7	0.00	Isolated, Southeast corner of South parcel.
C-8	14.83	Isolated, Southeast corner of South parcel.
C-9	0.42	Isolated, Southwest corner of South parcel.
C-10	0.44	Access would require wetland impact, West side of South parcel.
C-11	16.99	Isolated, Southeast corner of South parcel.
C-12	4.39	Access would require wetland impact, West side of South parcel.
C-13	5.87	Access would require wetland impact, West side of South parcel.
C-14	0.23	Access would require wetland impact, West side of South parcel.
C-15	9.25	Isolated, East side of South parcel.
C-16	0.00	Minor overlap, no volume available, East side of South parcel.
C-17	4.50	Access would require wetland impact, West side of South parcel.
C-18	16.89	Access would require wetland impact, West side of South parcel.
C-19	0.61	Isolated, East side of South parcel.
C-20	14.16	Access would require wetland impact, West side of South parcel.
C-21	1.10	Access would require wetland impact, West side of South parcel.
C-22	15.02	Access would require wetland impact, West side of South parcel.
C-23	0.08	Access would require wetland impact, West side of South parcel.
C-24	5.49	Access would require wetland impact, West side of South parcel.

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**Potential Floodplain Compensation Areas**  
**Spatial Analysis Results**

ID	Acres	Evaluation
C-25	0.10	Minor overlap, no volume available, East of Heavy Haul Road in South parcel.
C-26	0.53	Access would require wetland impact, West side of South parcel.
C-27	7.01	Isolated, East side of South parcel.
C-28	2.81	Access would require wetland impact, West side of South parcel.
C-29	0.49	Isolated, East side of South parcel.
C-30	12.98	Access would require wetland impact, West side of Heavy Haul Road in South parcel.
C-31	0.68	Isolated, East side of South parcel.
C-32	0.23	Access would require wetland impact, West side of South parcel.
C-33	0.68	Minor overlap, no volume available, West of Heavy Haul Road in South parcel.
C-34	9.23	Access would require wetland impact, West side of South parcel.
C-35	2.54	Access would require wetland impact, West side of South parcel.
C-36	0.77	Minor overlap, no volume available, West of Heavy Haul Road in South parcel.
C-37	0.71	Isolated, East side of South parcel.
C-38	0.02	Isolated, East side of South parcel.
C-39	3.55	Access would require wetland impact, West side of Heavy Haul Road in South parcel.
C-40	18.34	Access would require wetland impact, West side of Heavy Haul Road in South parcel.
C-41	3.51	Isolated, East side of South parcel.
C-42	20.63	Access would require wetland impact, West side of South parcel.
C-43	0.30	Isolated, East side of South parcel.
C-44	2.66	Access would require wetland impact, West side of Heavy Haul Road in South parcel.
C-45	0.50	Access would require wetland impact, West side of North parcel.
C-46	1.39	Access would require wetland impact, West side of North parcel.
C-47	1.09	Access would require wetland impact, West side of North parcel.
C-48	0.35	Access would require wetland impact, West side of North parcel.

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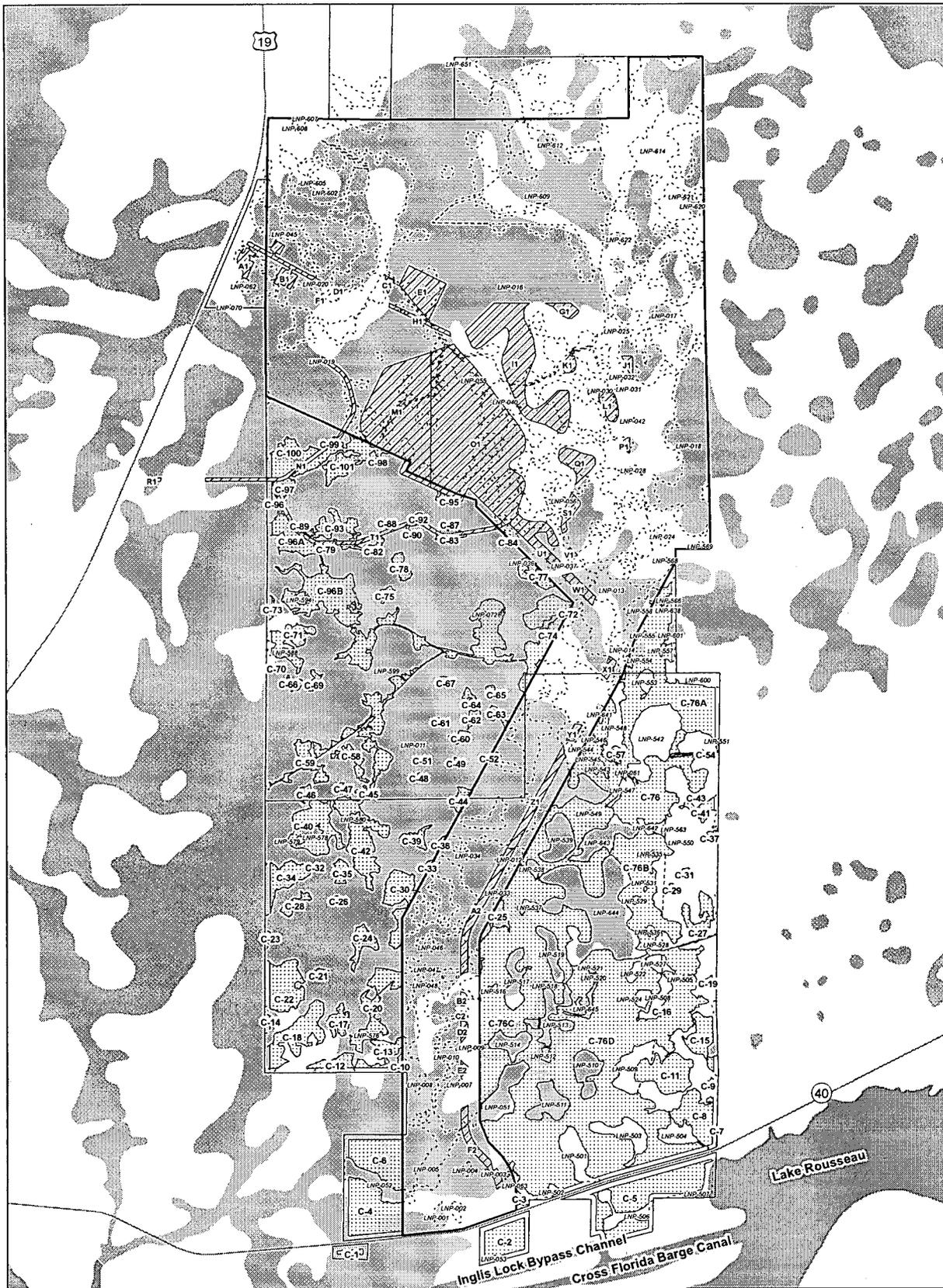
ID	Acres	Evaluation
C-49	0.26	Access would require wetland impact, West side of North parcel.
C-50	0.10	Access would require wetland impact, West side of North parcel.
C-51	0.13	Access would require wetland impact, West side of North parcel.
C-52	0.20	Access would require wetland impact, West side of North parcel.
C-53	0.10	Isolated, East side of South parcel.
C-54	0.13	Isolated, East side of South parcel.
C-55	0.15	Minor overlap, no volume available, East of Heavy Haul Road in South parcel.
C-56	0.05	Isolated, East side of South parcel.
C-57	0.94	Wetland impact likely, East of Heavy Haul Road in South parcel.
C-58	3.75	Access would require wetland impact, West side of North parcel.
C-59	8.41	Access would require wetland impact, West side of North parcel.
C-60	1.99	Access would require wetland impact, West side of North parcel.
C-61	0.29	Access would require wetland impact, West side of North parcel.
C-62	1.52	Access would require wetland impact, West side of North parcel.
C-63	1.94	Minor overlap, no volume available, West of Heavy Haul Road in South parcel.
C-64	1.65	Access would require wetland impact, West side of North parcel.
C-65	1.36	Access would require wetland impact, West side of North parcel.
C-66	0.59	Access would require wetland impact, West side of North parcel.
C-67	0.94	Access would require wetland impact, West side of North parcel.
C-68	0.08	Access would require wetland impact, West side of North parcel.
C-69	1.47	Access would require wetland impact, West side of North parcel.
C-70	0.28	Access would require wetland impact, West side of North parcel.
C-71	9.59	Access would require wetland impact, West side of North parcel.
C-72	0.00	Minor overlap, no volume available, West of Heavy Haul Road in South parcel.

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Spatial Analysis Results

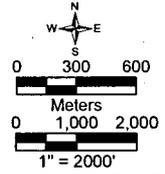
ID	Acres	Evaluation
C-73	0.40	Access would require wetland impact, West side of North parcel.
C-74	20.11	Viable location, West of Heavy Haul Road in North parcel.
C-75	1.61	Access would require wetland impact, West side of North parcel.
C-76	579.10	Portion is a viable location, split into A, B, and C as viable, and D as not well connected.
C-77	5.21	Potentially viable, but small size, West of Heavy Haul Road in North parcel.
C-78	2.91	Access would require wetland impact, West side of North parcel.
C-79	0.62	Access would require wetland impact, West side of North parcel.
C-80	0.03	Access would require wetland impact, West side of North parcel.
C-81	0.06	Access would require wetland impact, West side of North parcel.
C-82	2.19	Access would require wetland impact, West side of North parcel.
C-83	0.80	Access would require wetland impact, West side of North parcel.
C-84	0.36	Access would require wetland impact, West side of North parcel.
C-85	0.00	Access would require wetland impact, West side of North parcel.
C-86	0.00	Access would require wetland impact, West side of North parcel.
C-87	0.72	Access would require wetland impact, West side of North parcel.
C-88	0.31	Access would require wetland impact, West side of North parcel.
C-89	0.22	Access would require wetland impact, West side of North parcel.
C-90	0.32	Access would require wetland impact, West side of North parcel.
C-91	0.00	Access would require wetland impact, West side of North parcel.
C-92	0.75	Access would require wetland impact, West side of North parcel.
C-93	7.03	Access would require wetland impact, West side of North parcel.
C-94	0.05	Access would require wetland impact, West side of North parcel.
C-95	1.53	Access would require wetland impact, West side of North parcel.
C-96	81.61	Portion is a viable location, split into A viable, and B as access would require wetland impact.

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ID	Acres	Evaluation
C-97	2.57	Minor overlap, no volume available, at Access Road split on West of North parcel.
C-98	0.25	Access would require wetland impact, West side of North parcel.
C-99	0.30	Minor overlap, no volume available, at North of Access Road on West side of North parcel.
C-100	10.74	Viable location, at Access Road split, North of road, West side of North parcel.
C-101	15.57	Viable location, at Access Road split, South of North road, West side of North parcel.



- LEGEND**
- Potential On-Site Compensation Areas
  - Floodplain Fill Areas
  - FEMA Zone A
  - FEMA Zone AE
  - Field Survey Wetlands
  - Area Excluded From Compensation Analysis
  - Property Boundary



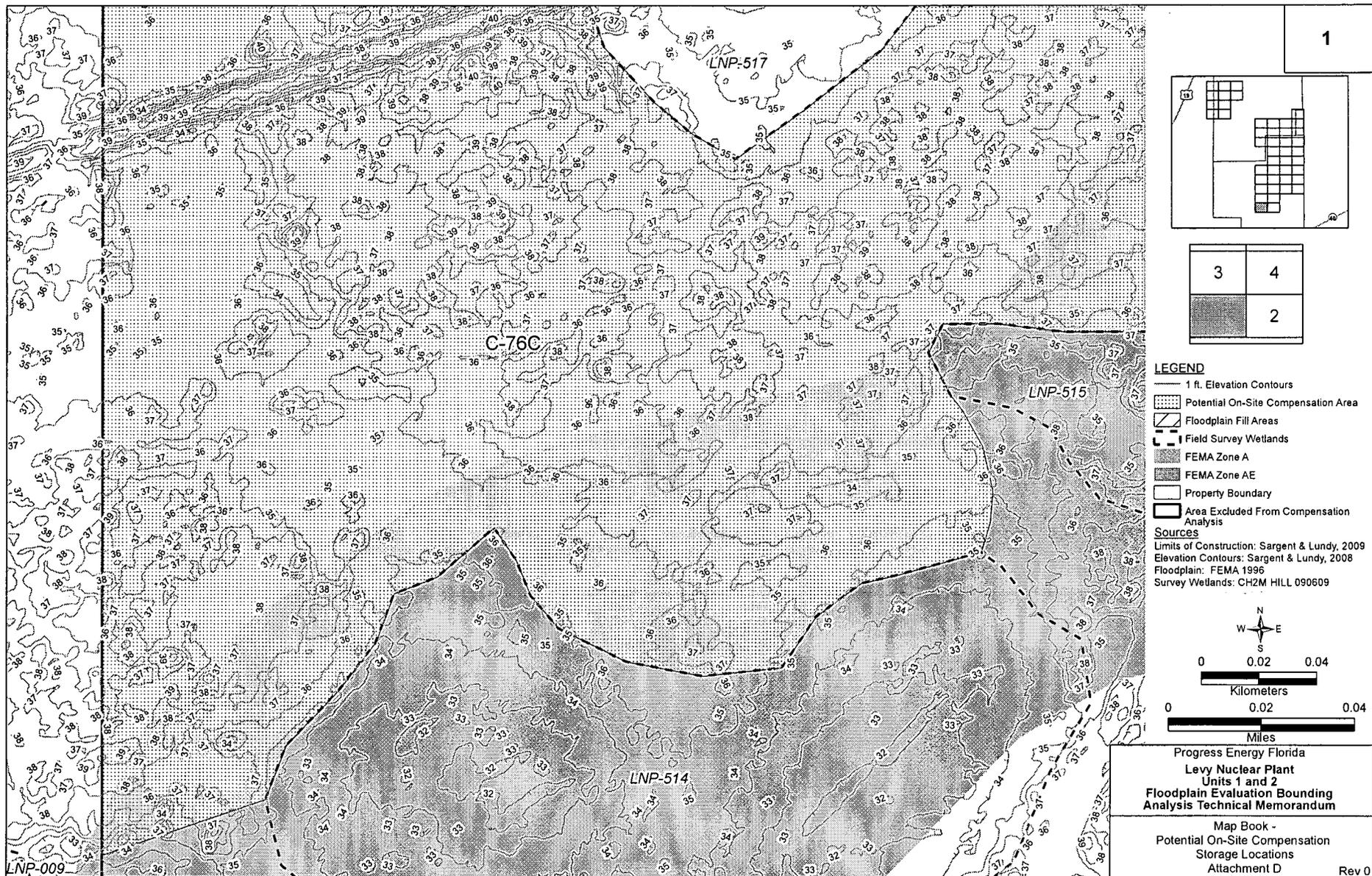
Progress Energy Florida  
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 Units 1 and 2  
 Floodplain Evaluation Bounding  
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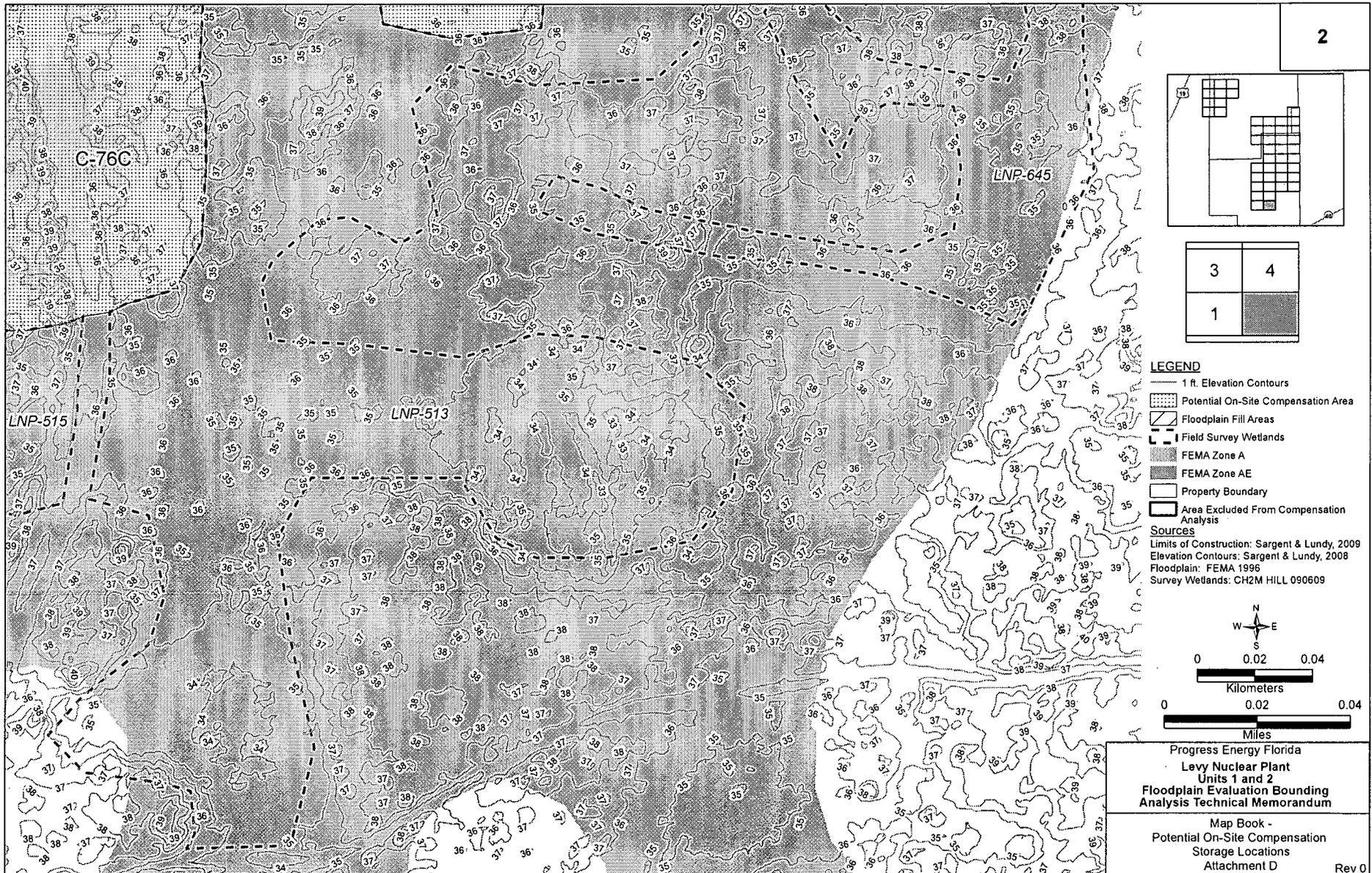
Potential Floodplain  
 Compensation Areas  
 Spatial Analysis Results  
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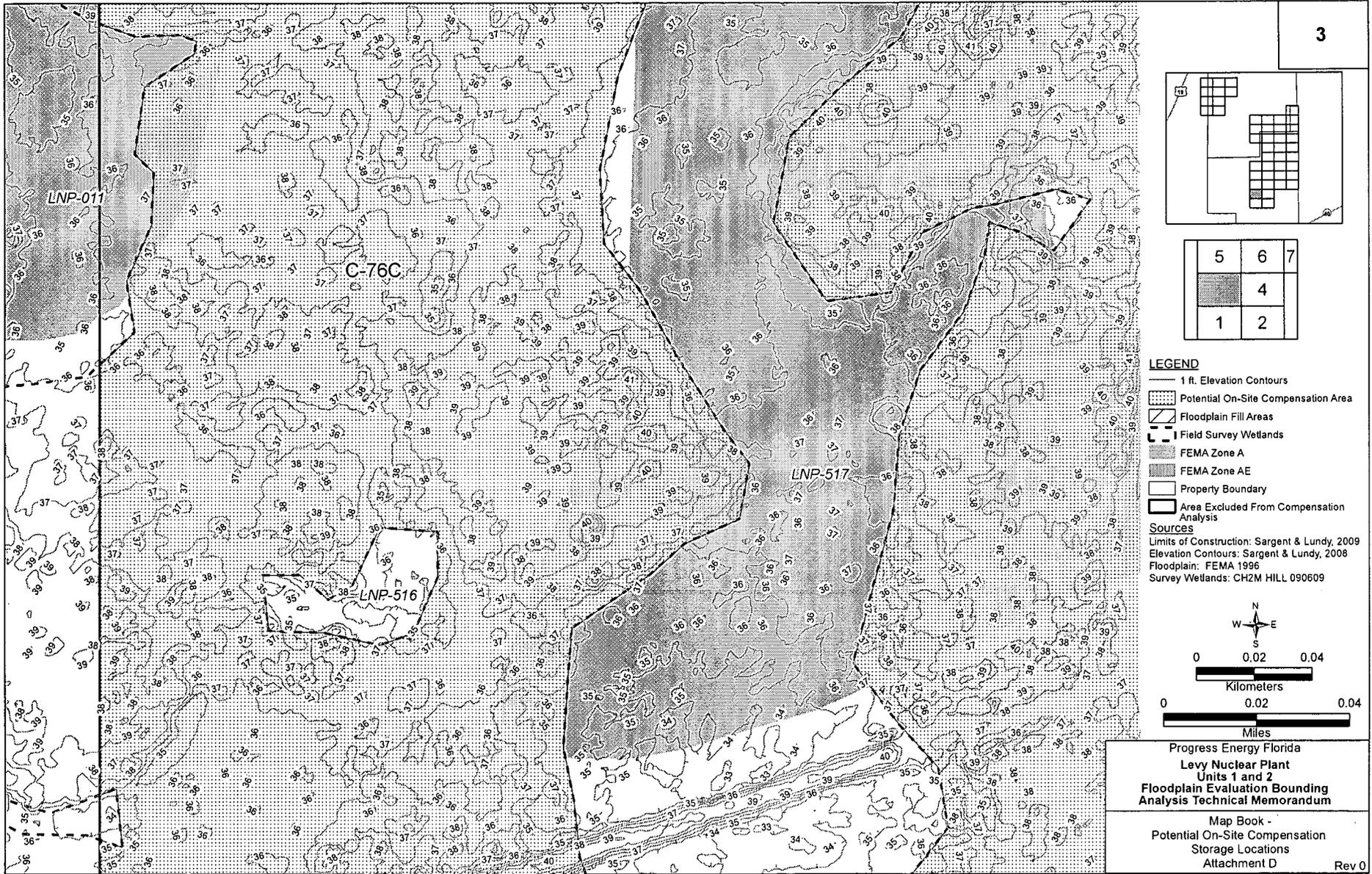
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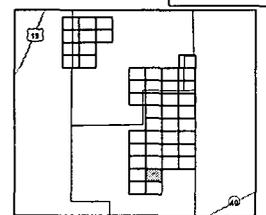
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LOCATIONS**

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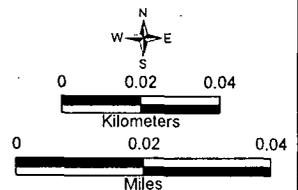






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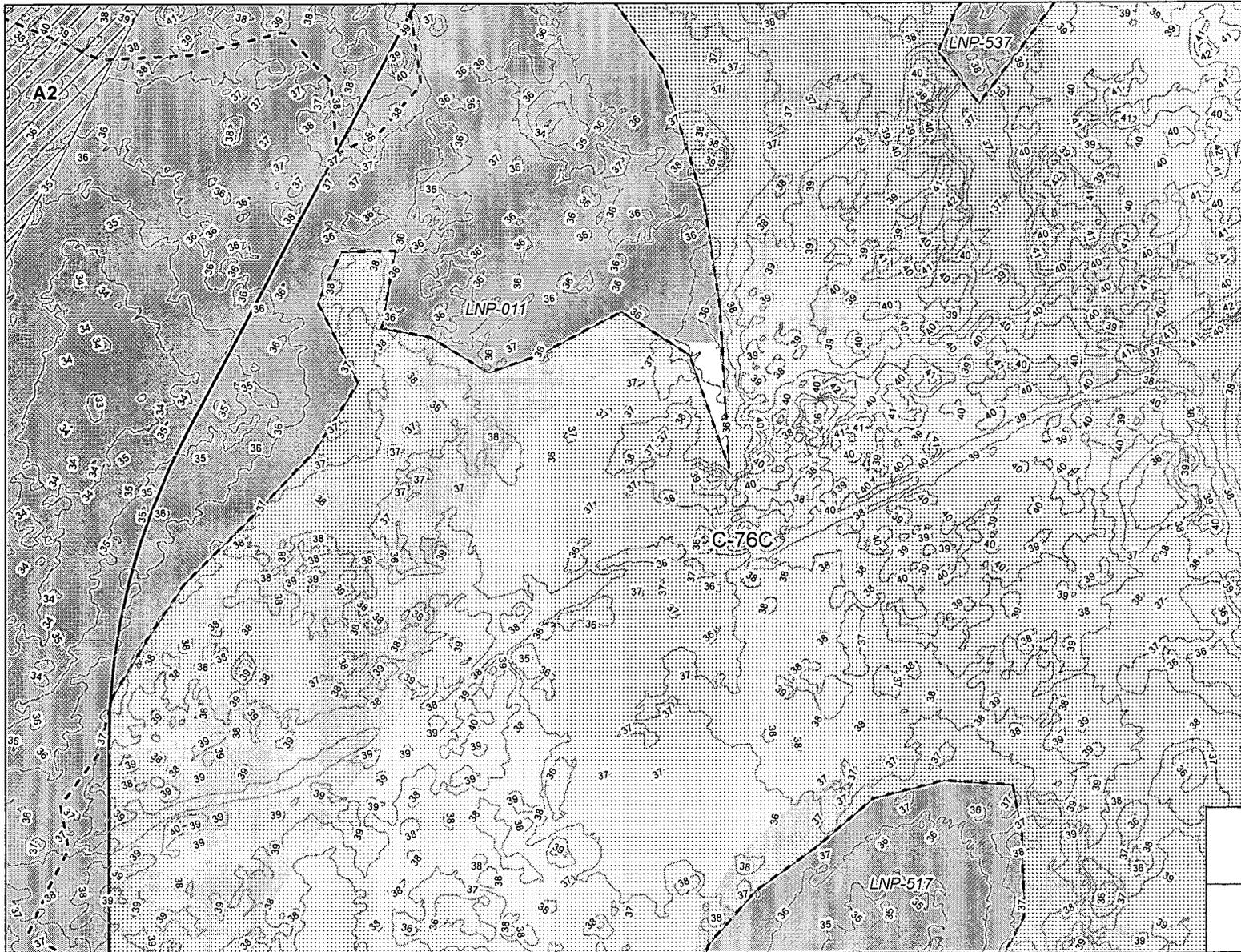
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  - ▨ Floodplain Fill Areas
  - ▨ Field Survey Wetlands
  - ▨ FEMA Zone A
  - ▨ FEMA Zone AE
  - ▭ Property Boundary
  - ▭ Area Excluded From Compensation Analysis
- Sources**
- Limits of Construction: Sargent & Lundy, 2009
  - Elevation Contours: Sargent & Lundy, 2008
  - Floodplain: FEMA 1996
  - Survey Wetlands: CH2M HILL 090609



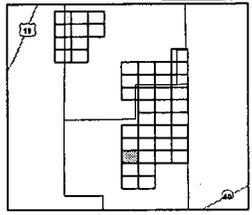
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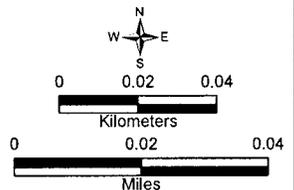


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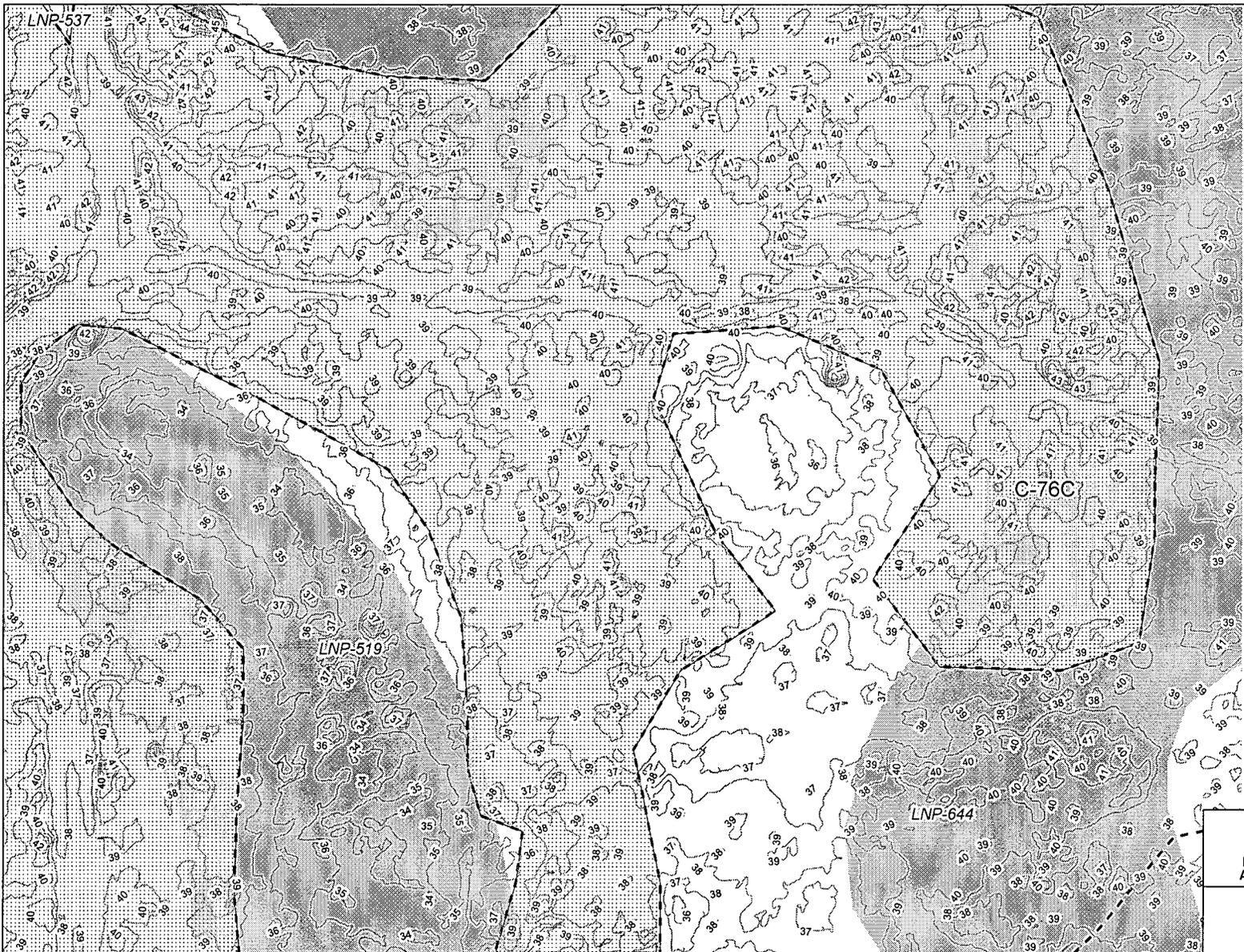
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- LEGEND**
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  - ▧ Floodplain Fill Areas
  - ▤ Field Survey Wetlands
  - ▩ FEMA Zone A
  - ▨ FEMA Zone AE
  - ▭ Property Boundary
  - ▭ Area Excluded From Compensation Analysis
- Sources**
- Limits of Construction: Sargent & Lundy, 2009
  - Elevation Contours: Sargent & Lundy, 2008-
  - Floodplain: FEMA 1996
  - Survey Wetlands: CH2M HILL 090609

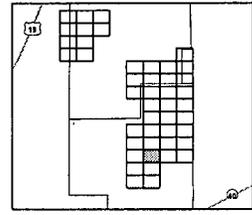


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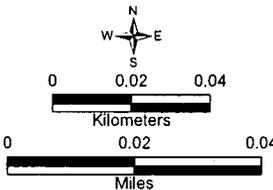
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- LEGEND**
- 1 ft. Elevation Contours
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  - ▩ FEMA Zone A
  - ▨ FEMA Zone AE
  - ▭ Property Boundary
  - ▭ Area Excluded From Compensation Analysis

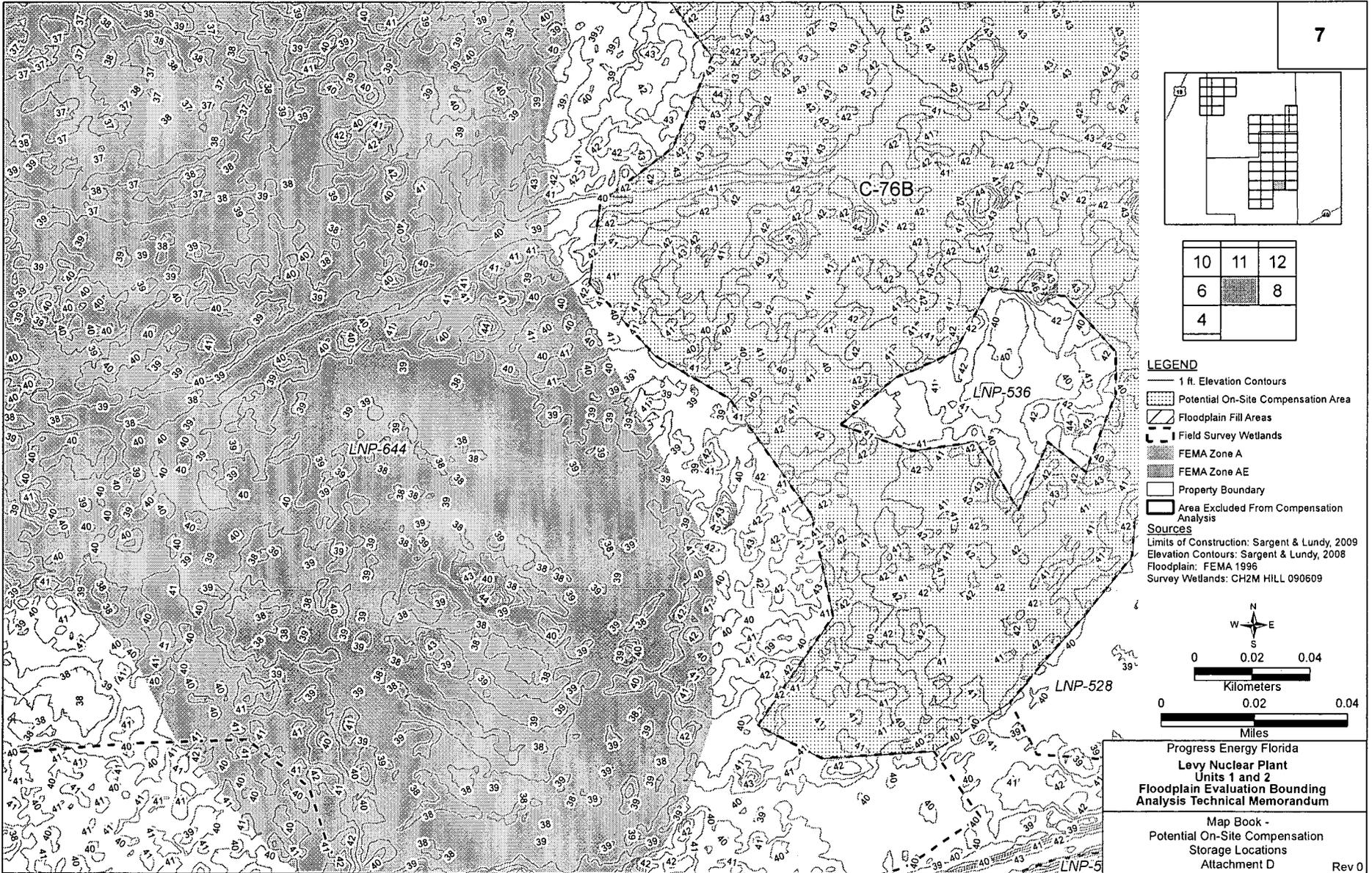
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 Elevation Contours: Sargent & Lundy, 2008  
 Floodplain: FEMA 1996  
 Survey Wetlands: CH2M HILL 090609



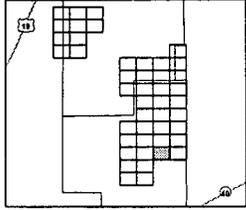
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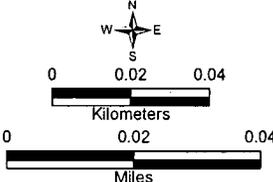
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- LEGEND**
- 1 ft. Elevation Contours
  - ▨ Potential On-Site Compensation Area
  - ▧ Floodplain Fill Areas
  - ▤ Field Survey Wetlands
  - ▩ FEMA Zone A
  - ▨ FEMA Zone AE
  - ▭ Property Boundary
  - ▭ Area Excluded From Compensation Analysis

**Sources**  
 Limits of Construction: Sargent & Lundy, 2009  
 Elevation Contours: Sargent & Lundy, 2008  
 Floodplain: FEMA 1996  
 Survey Wetlands: CH2M HILL 090609

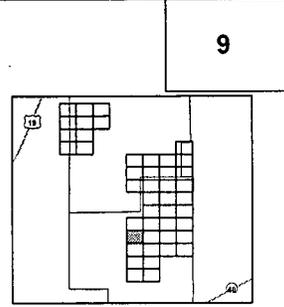


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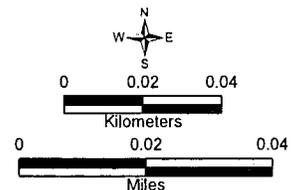
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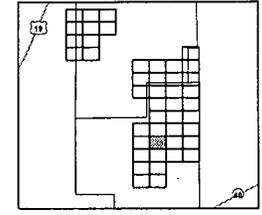
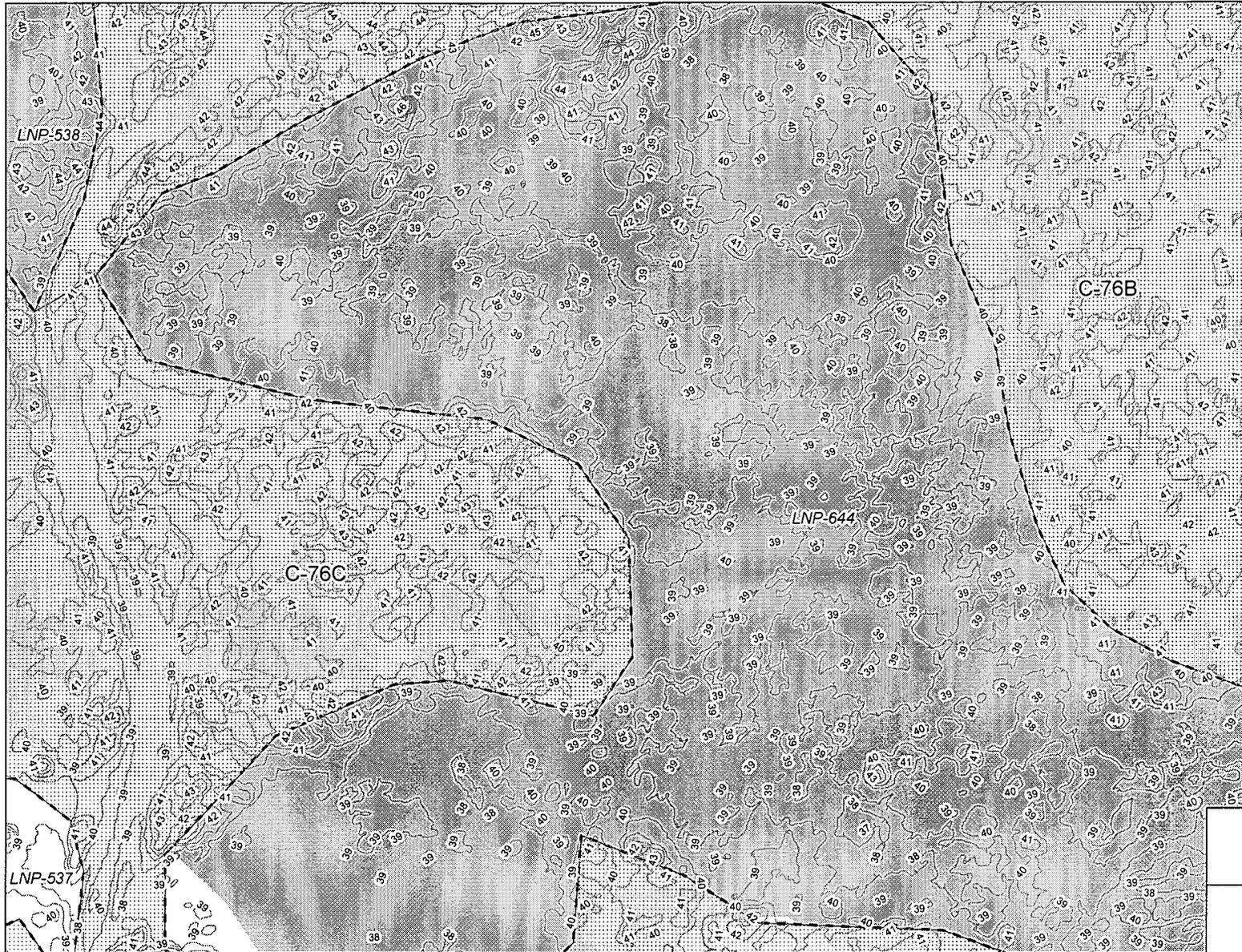
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  - ▧ Floodplain Fill Areas
  - ▤ Field Survey Wetlands
  - ▩ FEMA Zone A
  - ▨ FEMA Zone AE
  - ▭ Property Boundary
  - ▭ Area Excluded From Compensation Analysis
- Sources**
- Limits of Construction: Sargent & Lundy, 2009
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  - Survey Wetlands: CH2M HILL 090609



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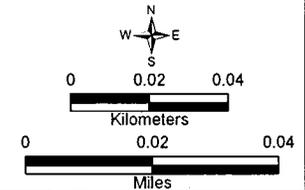
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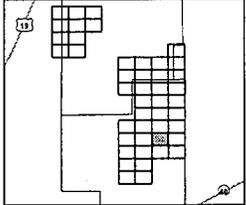
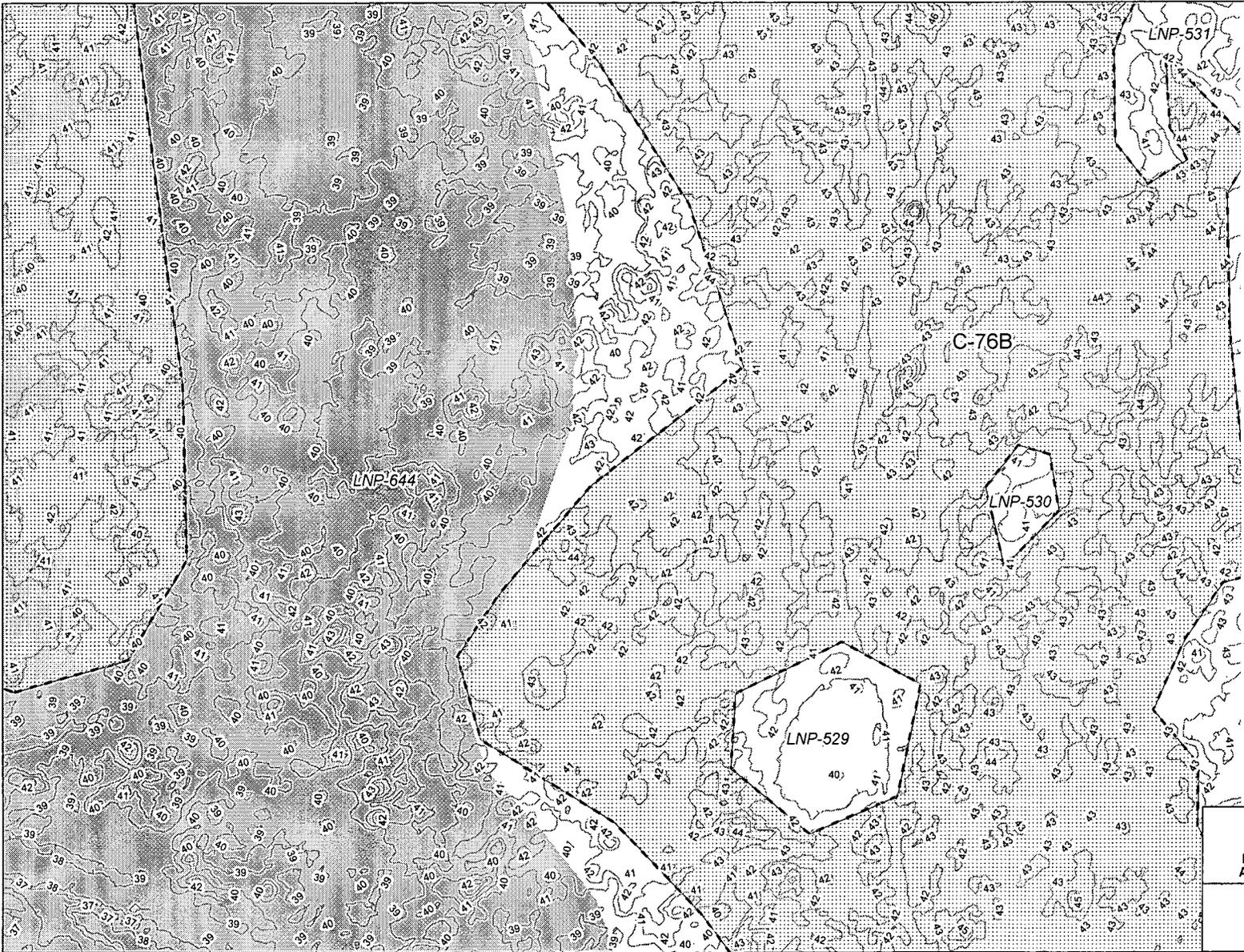
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  - [Pattern] Field Survey Wetlands
  - [Pattern] FEMA Zone A
  - [Pattern] FEMA Zone AE
  - [Line] Property Boundary
  - [Pattern] Area Excluded From Compensation Analysis
- Sources**
- Limits of Construction: Sargent & Lundy, 2009
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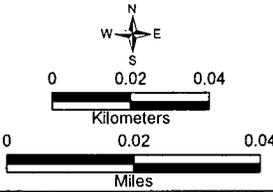
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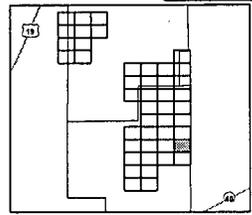
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  - ▨ Floodplain Fill Areas
  - ▧ Field Survey Wetlands
  - ▩ FEMA Zone A
  - ▨ FEMA Zone AE
  - Property Boundary
  - ▭ Area Excluded From Compensation Analysis

**Sources**  
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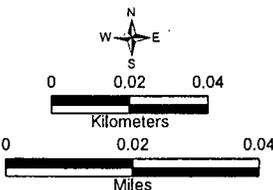
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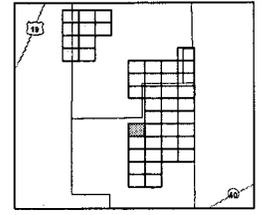
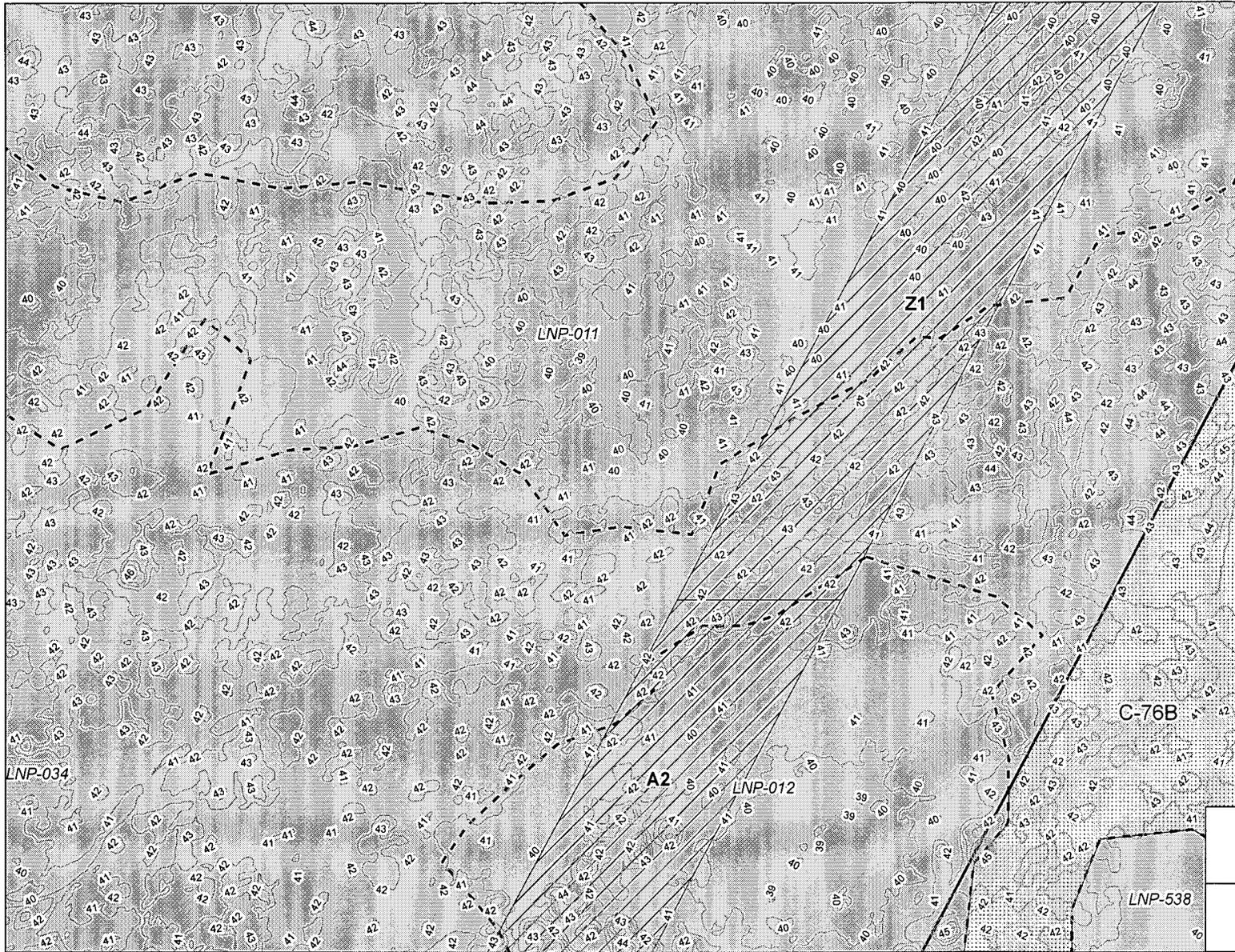
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- 1 ft. Elevation Contours
  - ▨ Potential On-Site Compensation Area
  - ▧ Floodplain Fill Areas
  - - - Field Survey Wetlands
  - ▨ FEMA Zone A
  - ▨ FEMA Zone AE
  - ▭ Property Boundary
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**Sources**  
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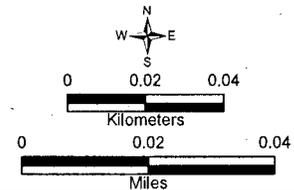
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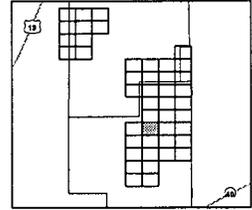
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	14	5
9	10	11

- LEGEND**
- 1 ft. Elevation Contours
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  - ▧ Floodplain Fill Areas
  - ▩ Field Survey Wetlands
  - FEMA Zone A
  - FEMA Zone AE
  - Property Boundary
  - Area Excluded From Compensation Analysis

**Sources**  
 Limits of Construction: Sargent & Lundy, 2009  
 Elevation Contours: Sargent & Lundy, 2008  
 Floodplain: FEMA 1996  
 Survey Wetlands: CH2M HILL 090609

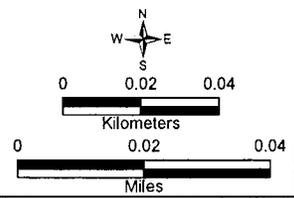


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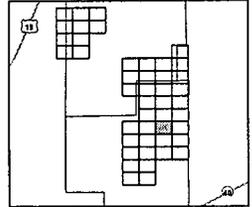
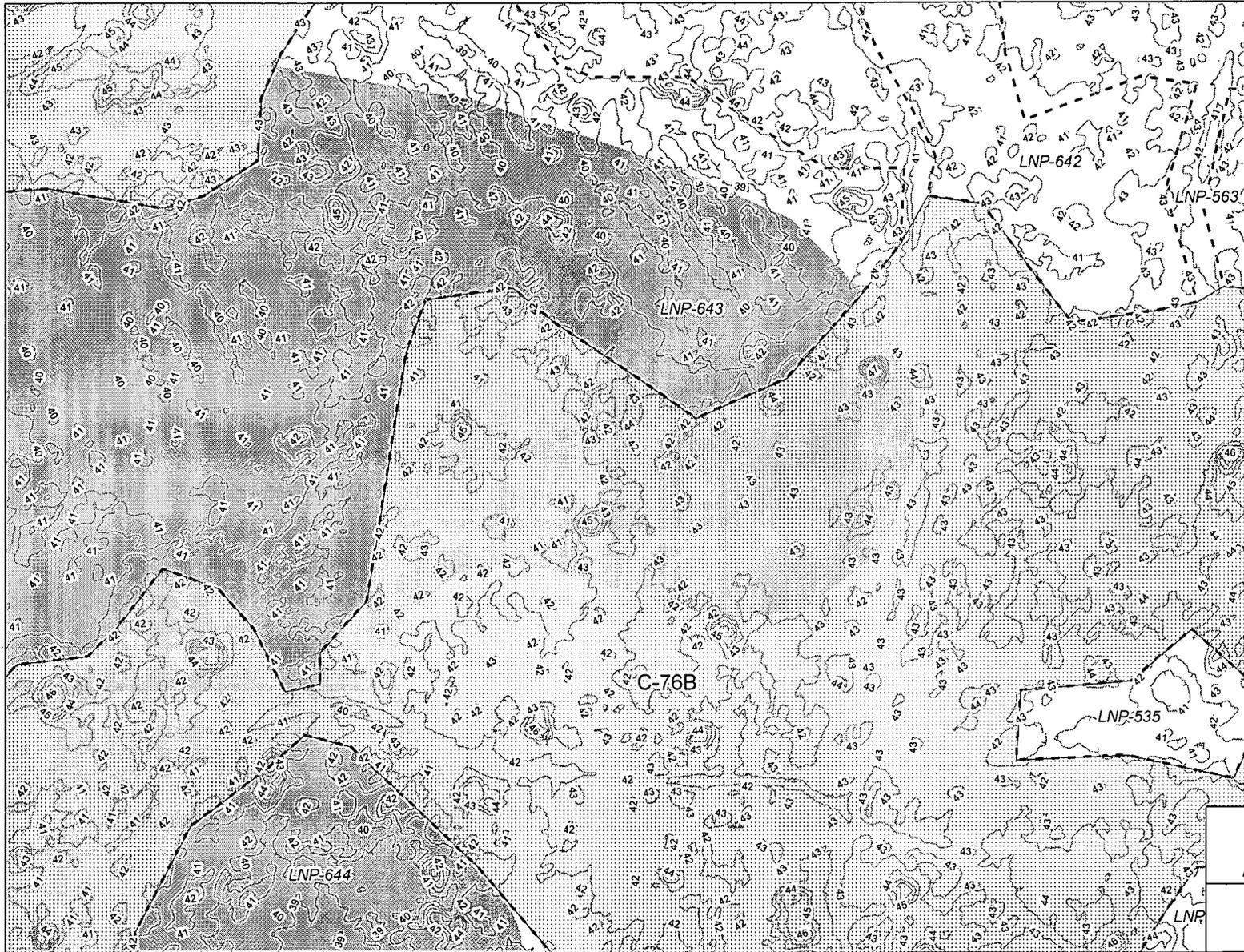
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13		15
9	10	11

- LEGEND**
- 1 ft. Elevation Contours
  - ▨ Potential On-Site Compensation Area
  - ▧ Floodplain Fill Areas
  - - - Field Survey Wetlands
  - ▨ FEMA Zone A
  - ▨ FEMA Zone AE
  - ▭ Property Boundary
  - ▭ Area Excluded From Compensation Analysis
- Sources**
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  - Elevation Contours: Sargent & Lundy, 2008
  - Floodplain: FEMA 1996
  - Survey Wetlands: CH2M HILL 090609



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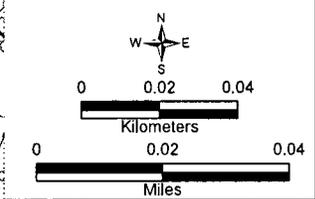
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17	18	21
14	16	16
10	11	12

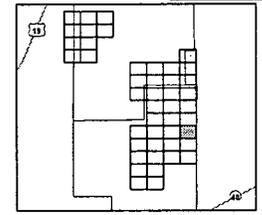
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  - ▧ Floodplain Fill Areas
  - - - Field Survey Wetlands
  - FEMA Zone A
  - FEMA Zone AE
  - Property Boundary
  - Area Excluded From Compensation Analysis

**Sources**  
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**Levy Nuclear Plant  
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 Analysis Technical Memorandum**

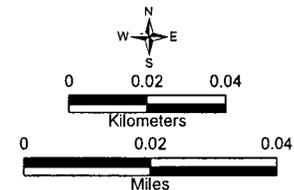
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- LEGEND**
- 1 ft. Elevation Contours
  - ▨ Potential On-Site Compensation Area
  - ▧ Floodplain Fill Areas
  - - - Field Survey Wetlands
  - ▨ FEMA Zone A
  - ▨ FEMA Zone AE
  - ▭ Property Boundary
  - ▭ Area Excluded From Compensation Analysis

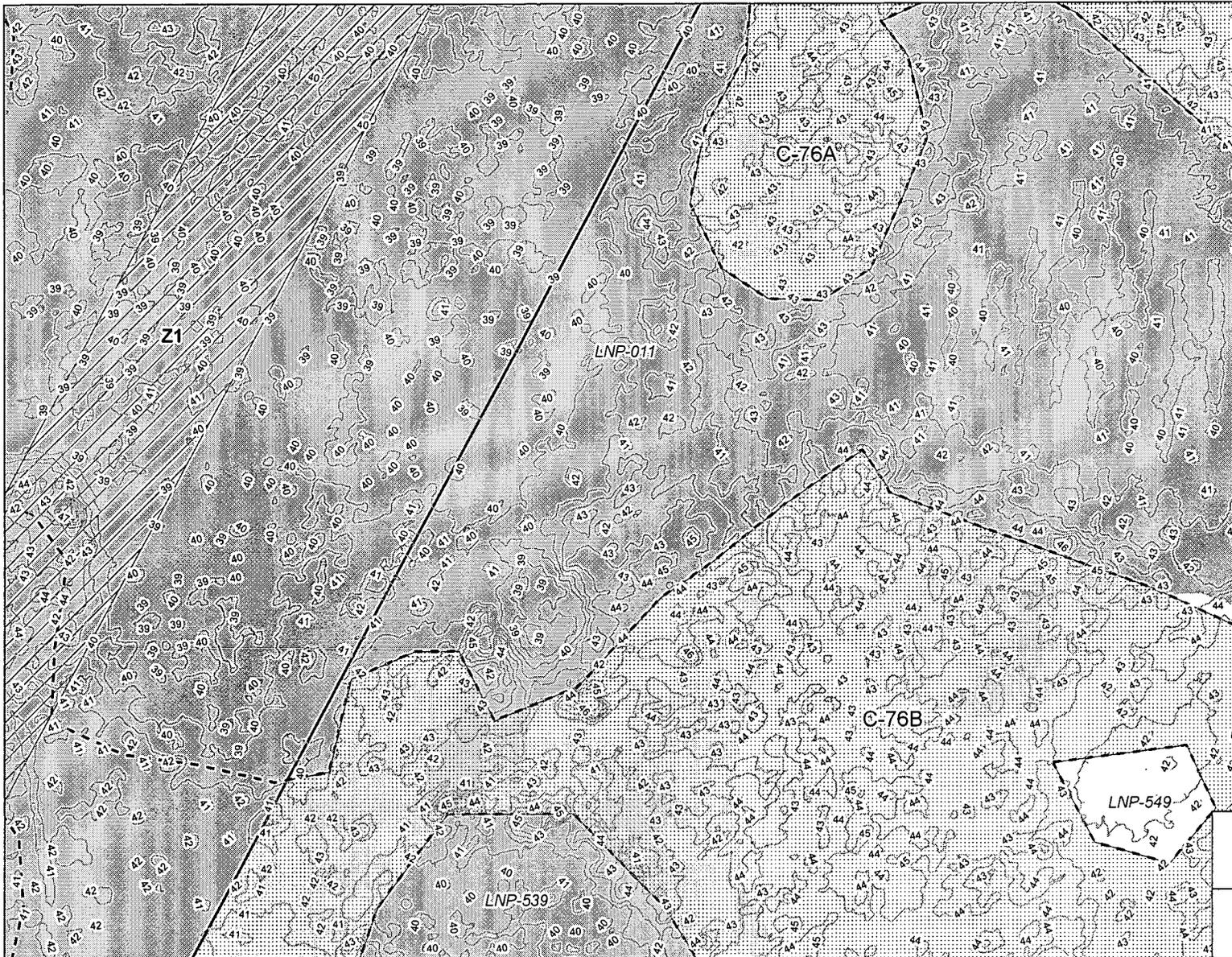
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 Floodplain: FEMA 1996  
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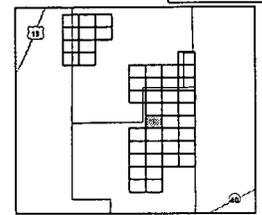
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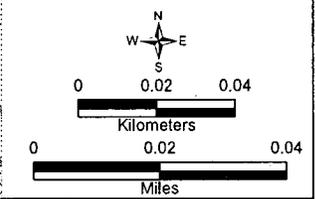
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**LEGEND**

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- ▩ FEMA Zone A
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**Sources**

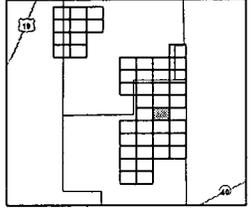
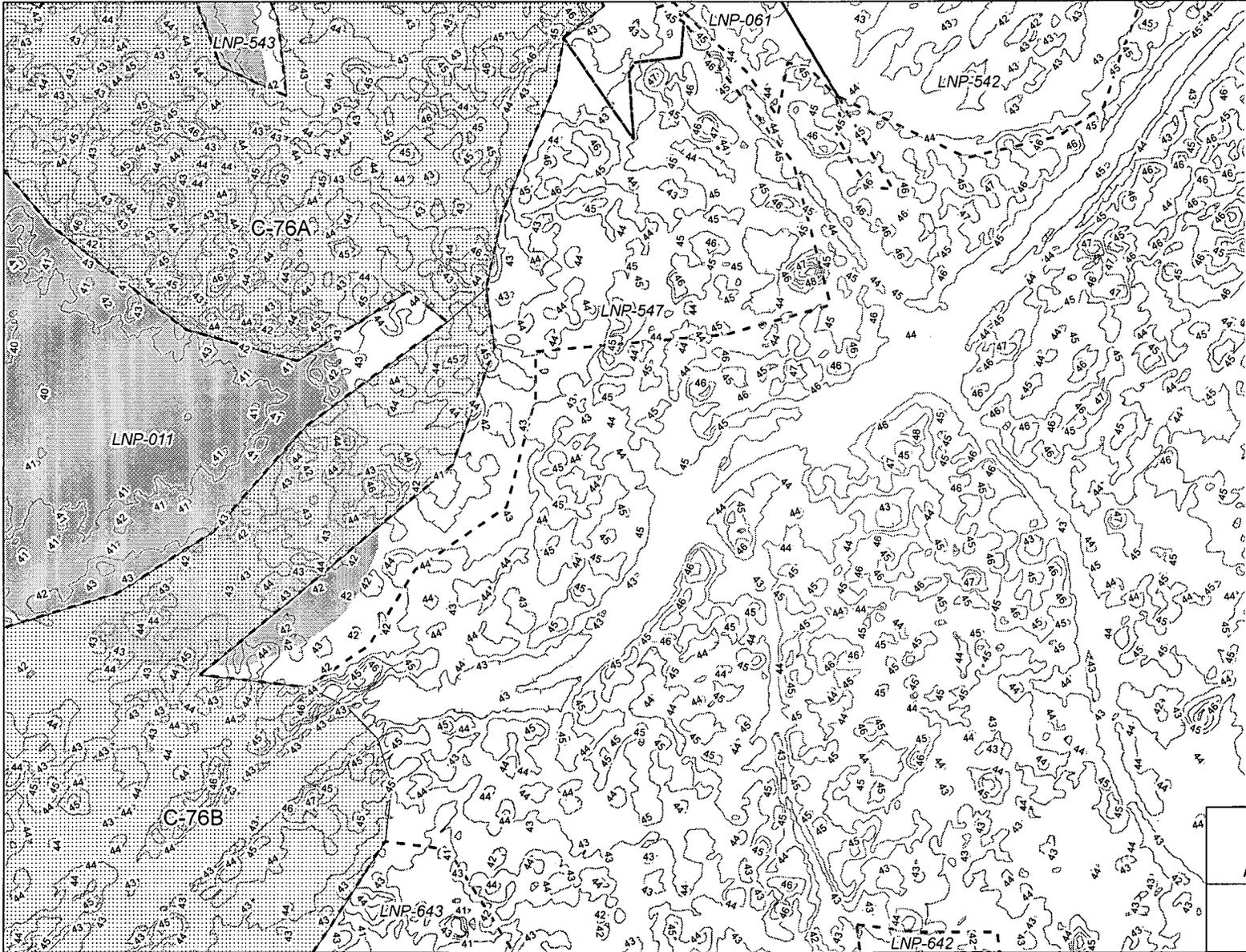
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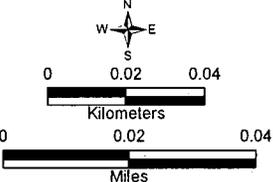
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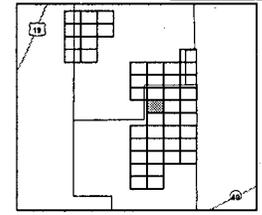
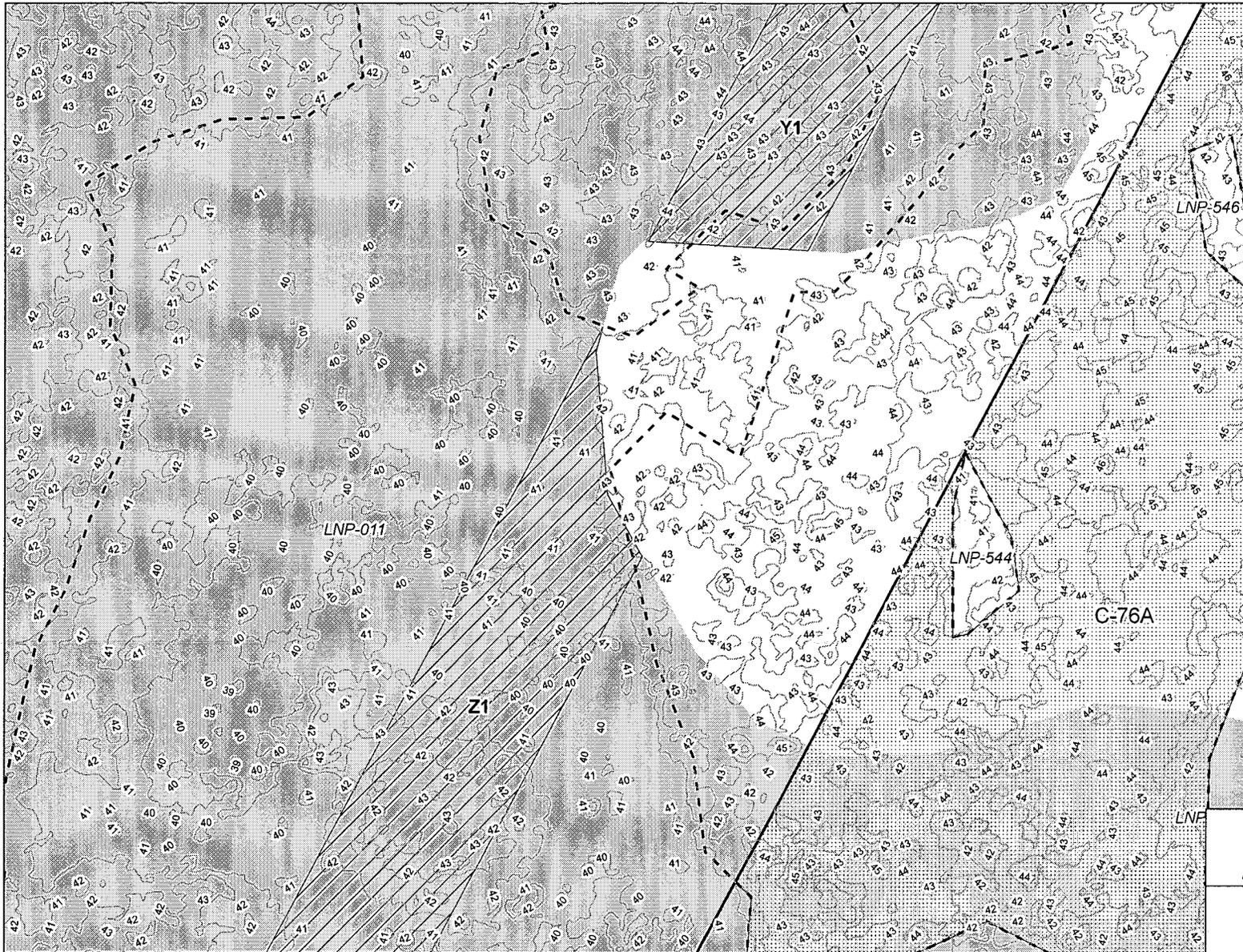
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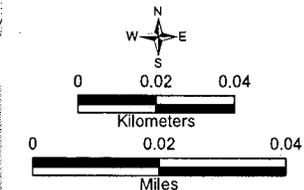
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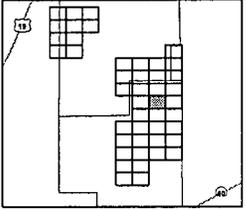
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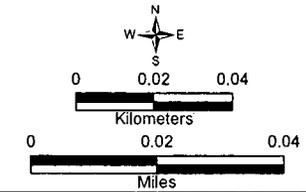
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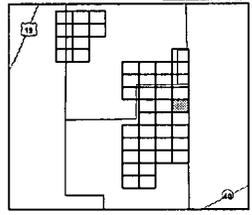
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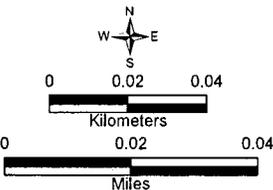
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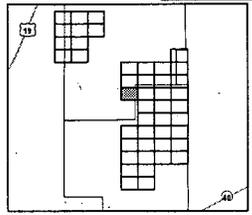
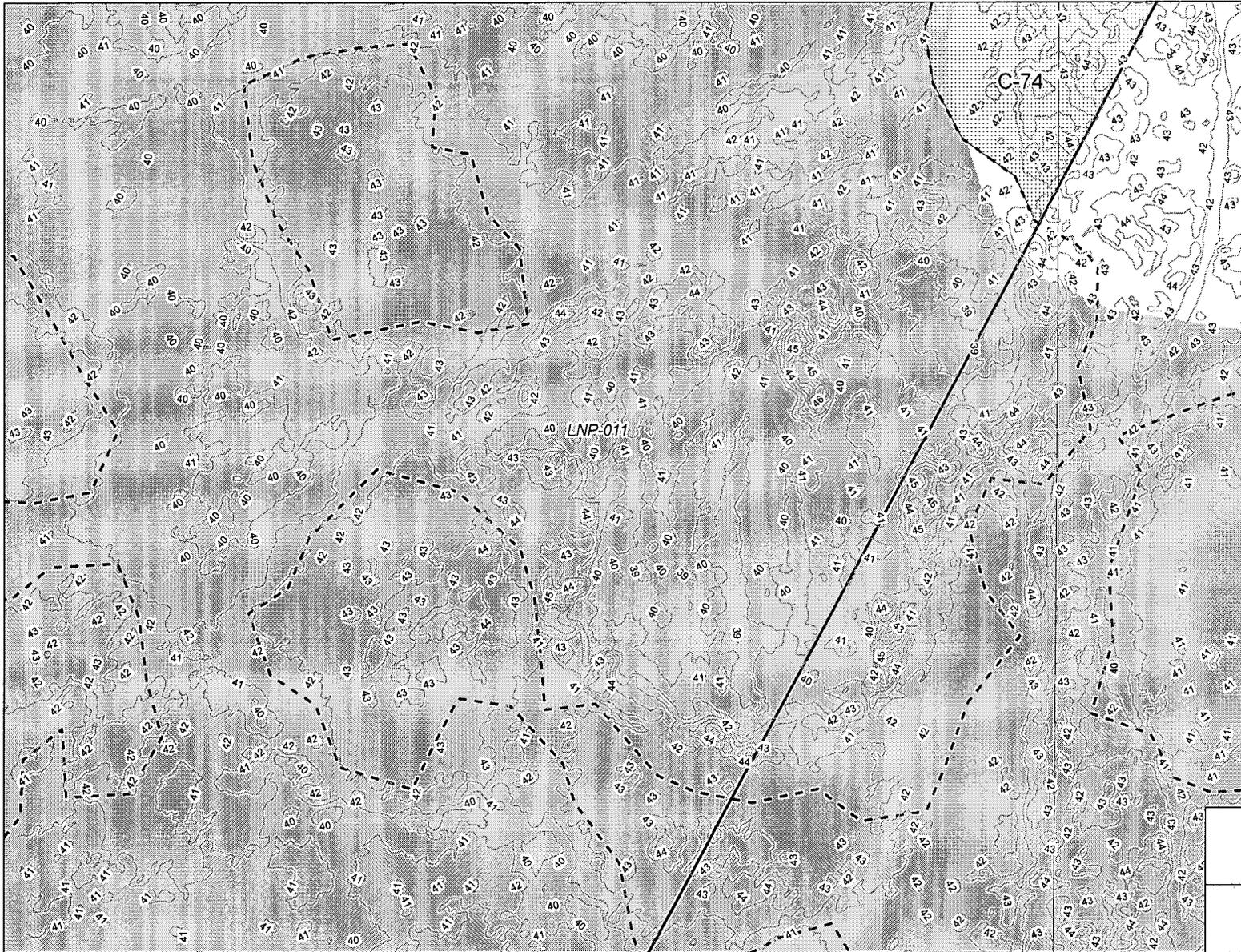
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- LEGEND**
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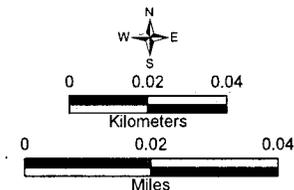
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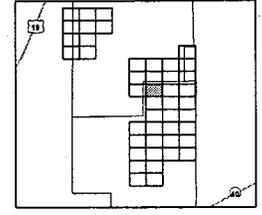
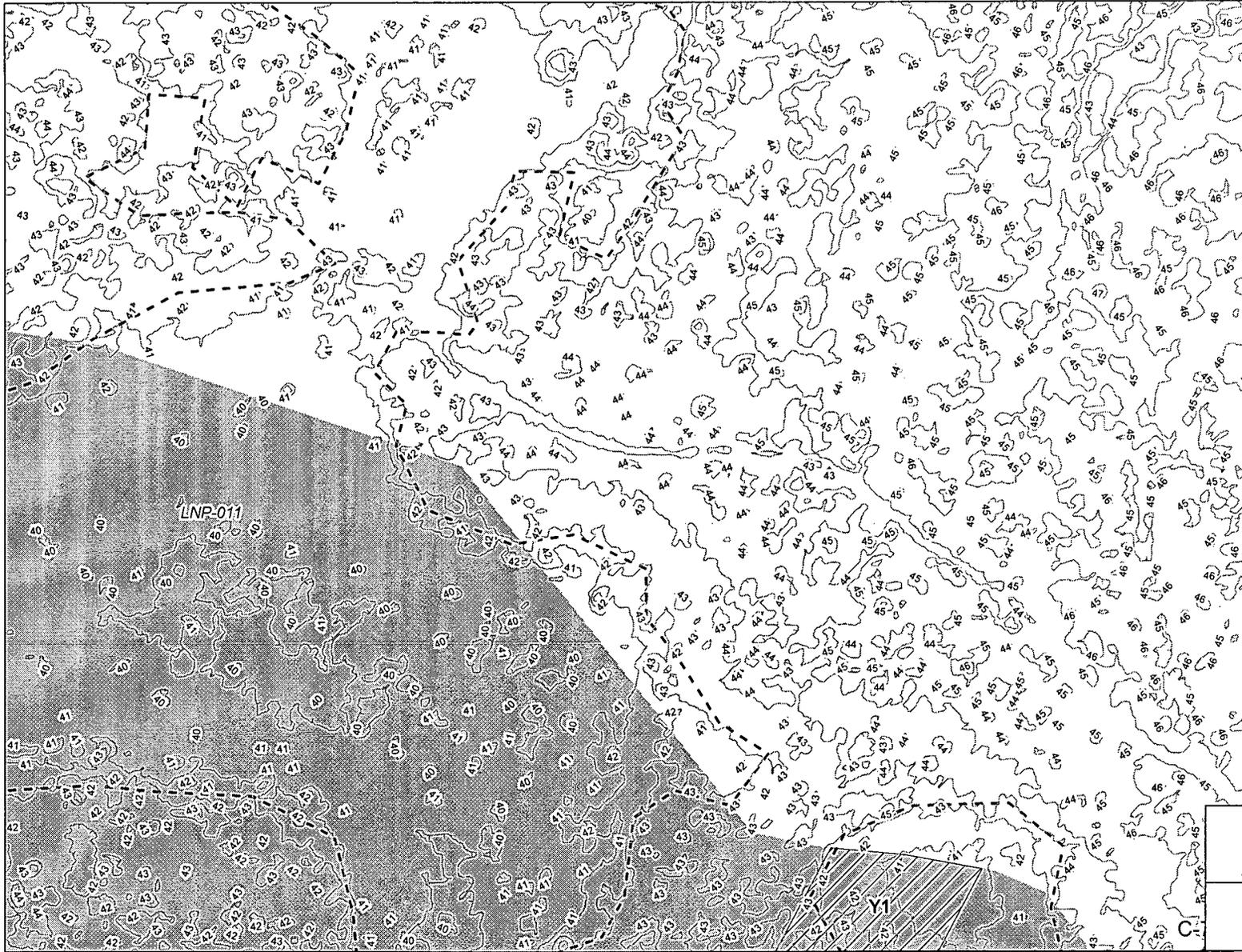
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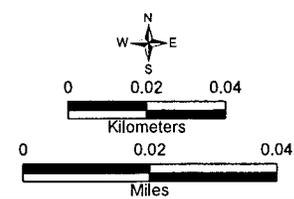
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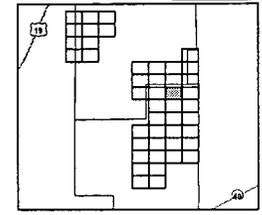
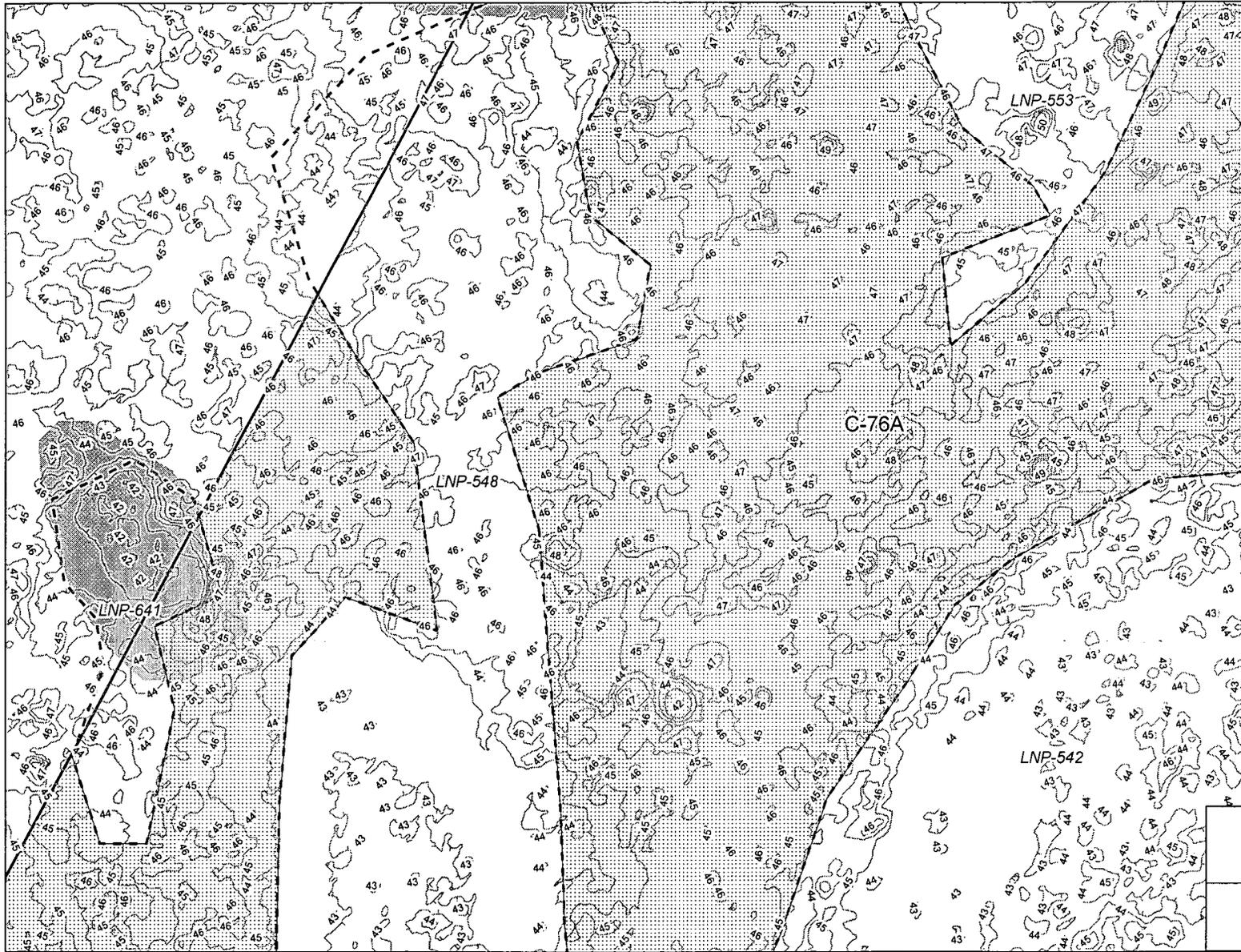
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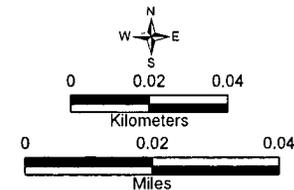
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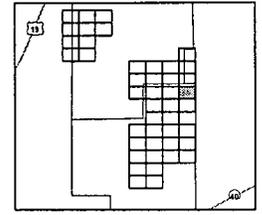
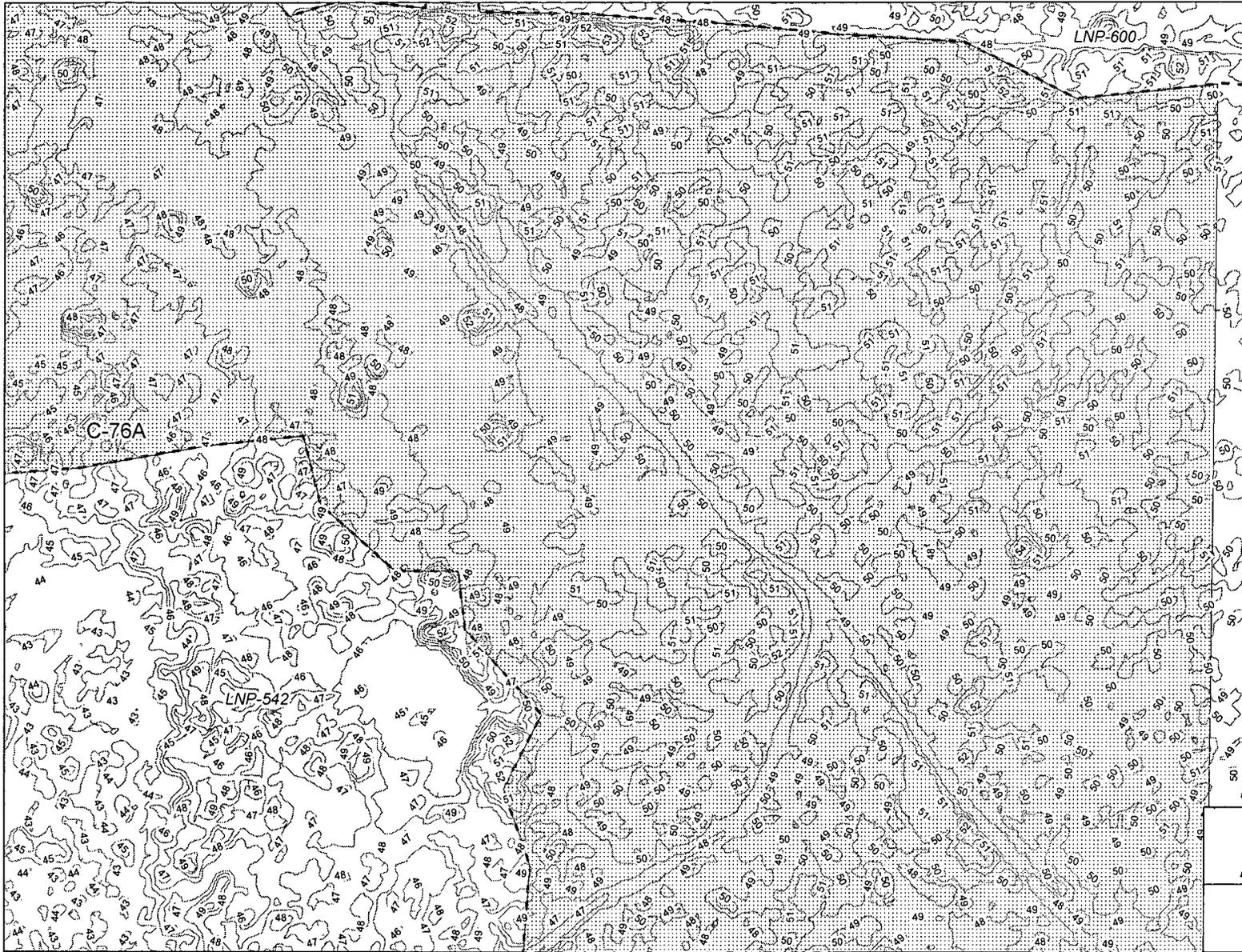
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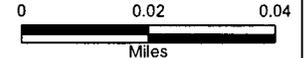
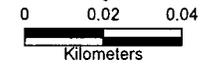
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**LEGEND**

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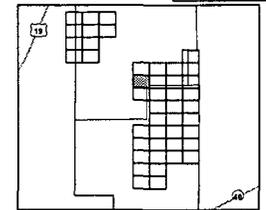
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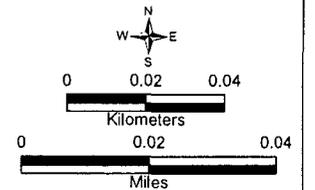
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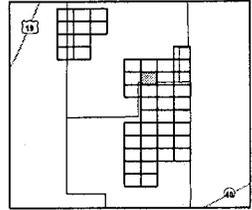
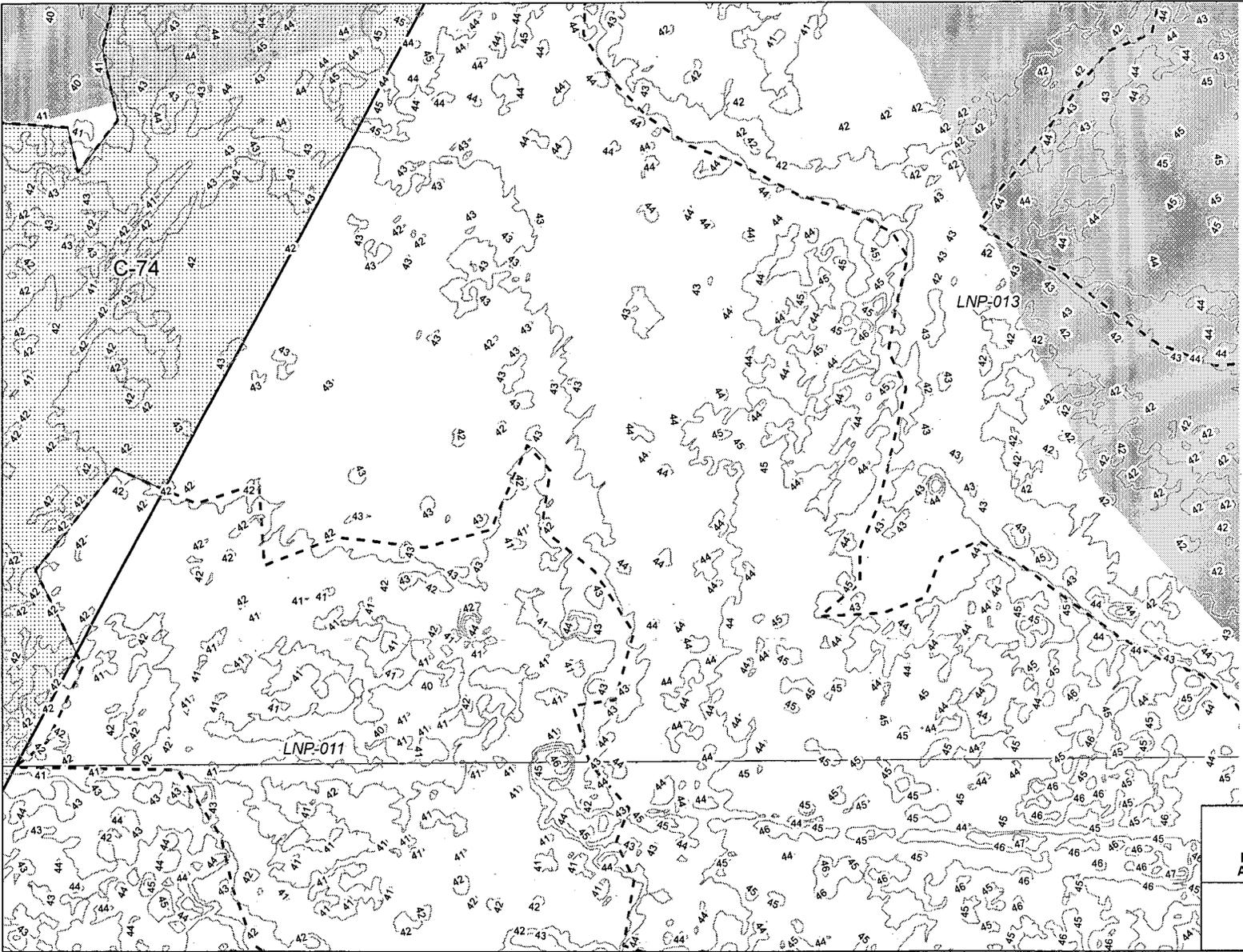
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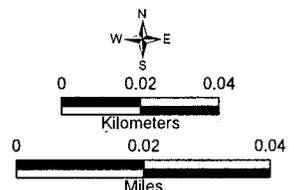


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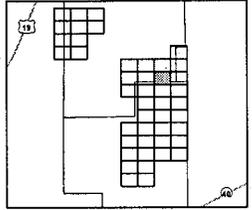
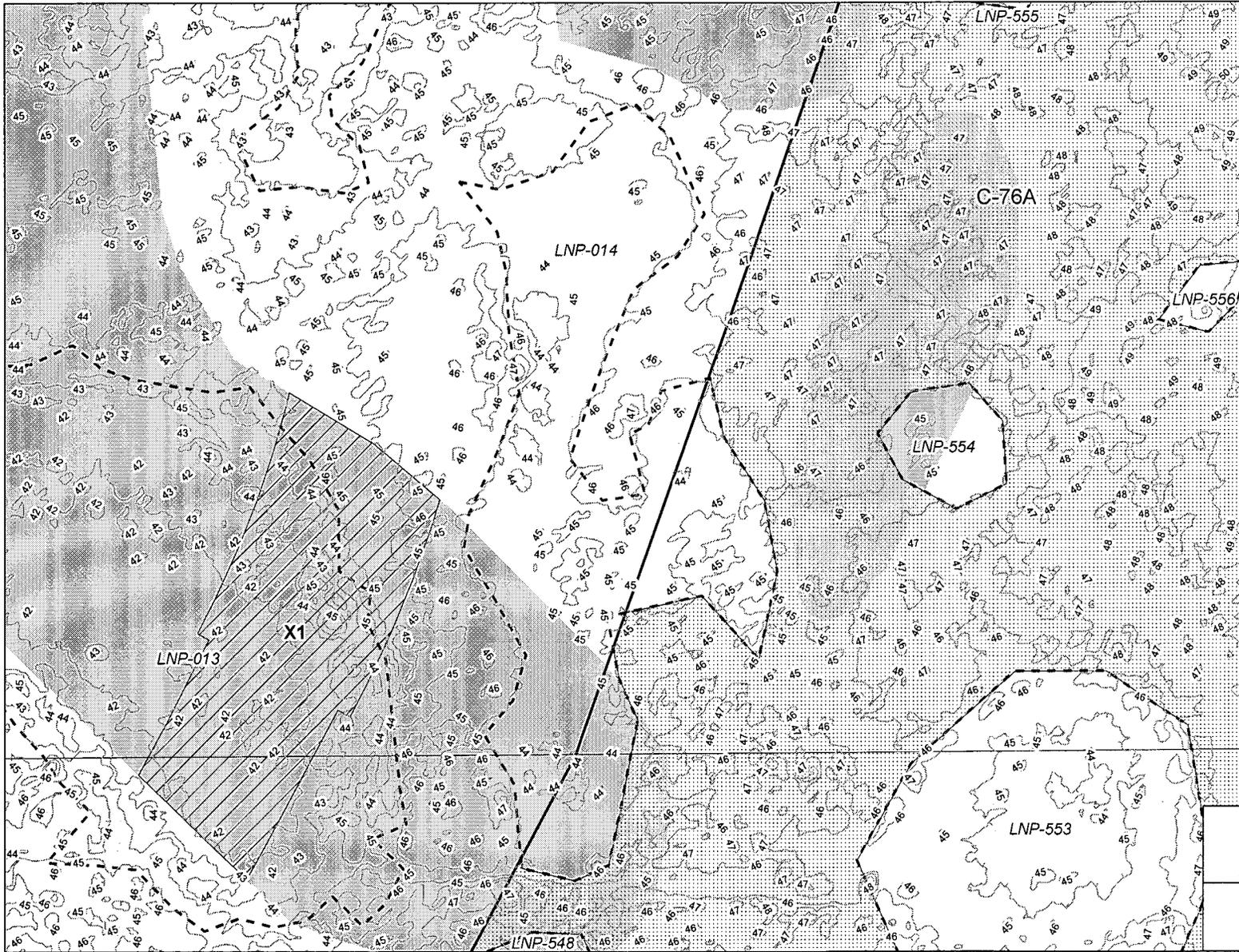
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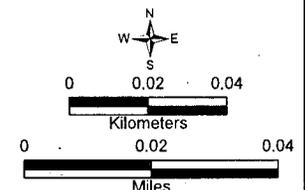
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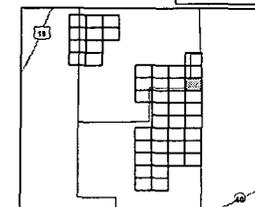
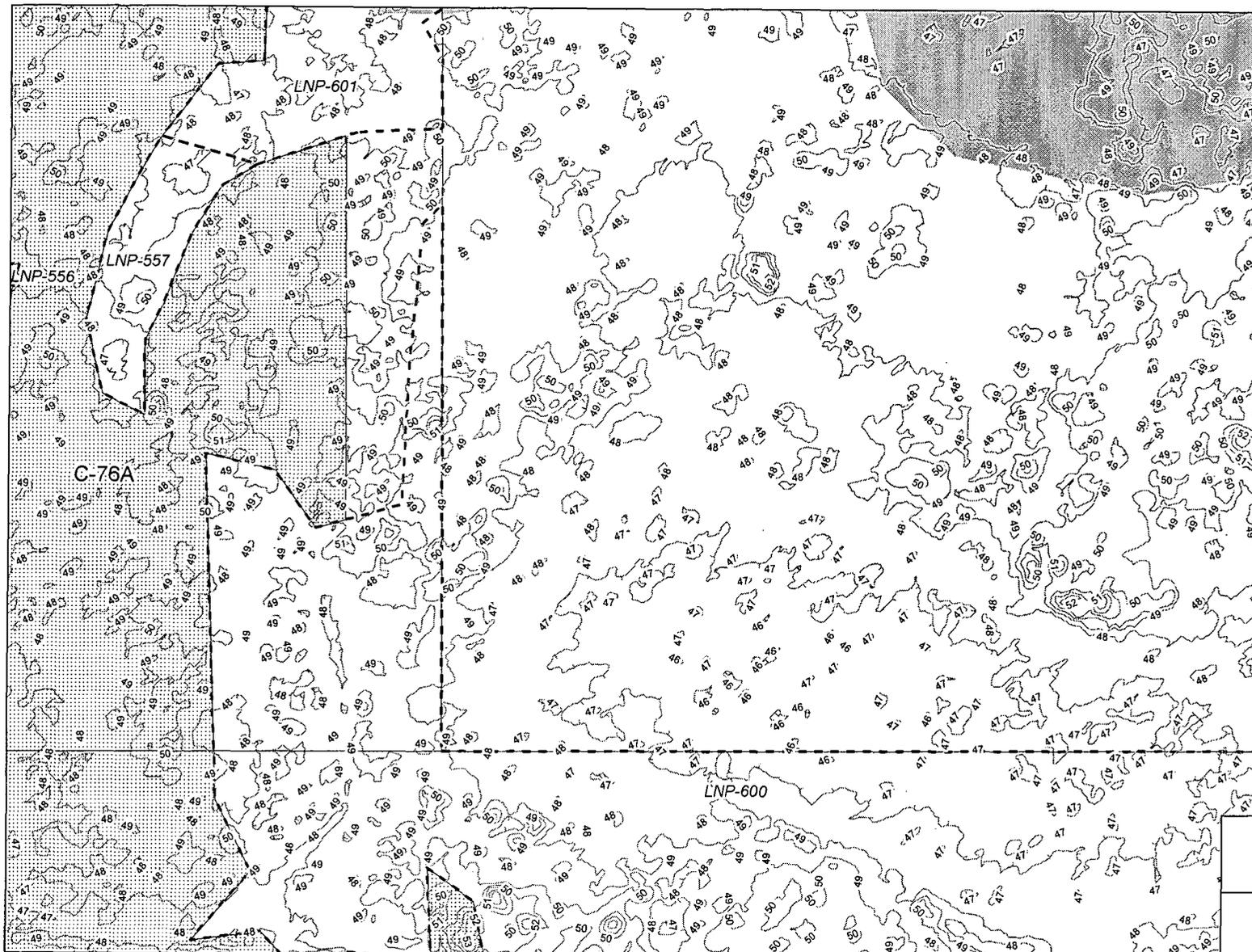
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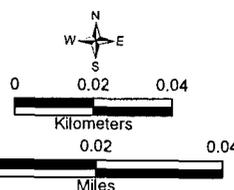
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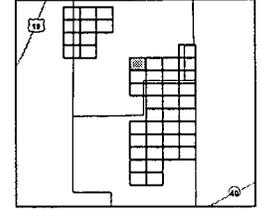
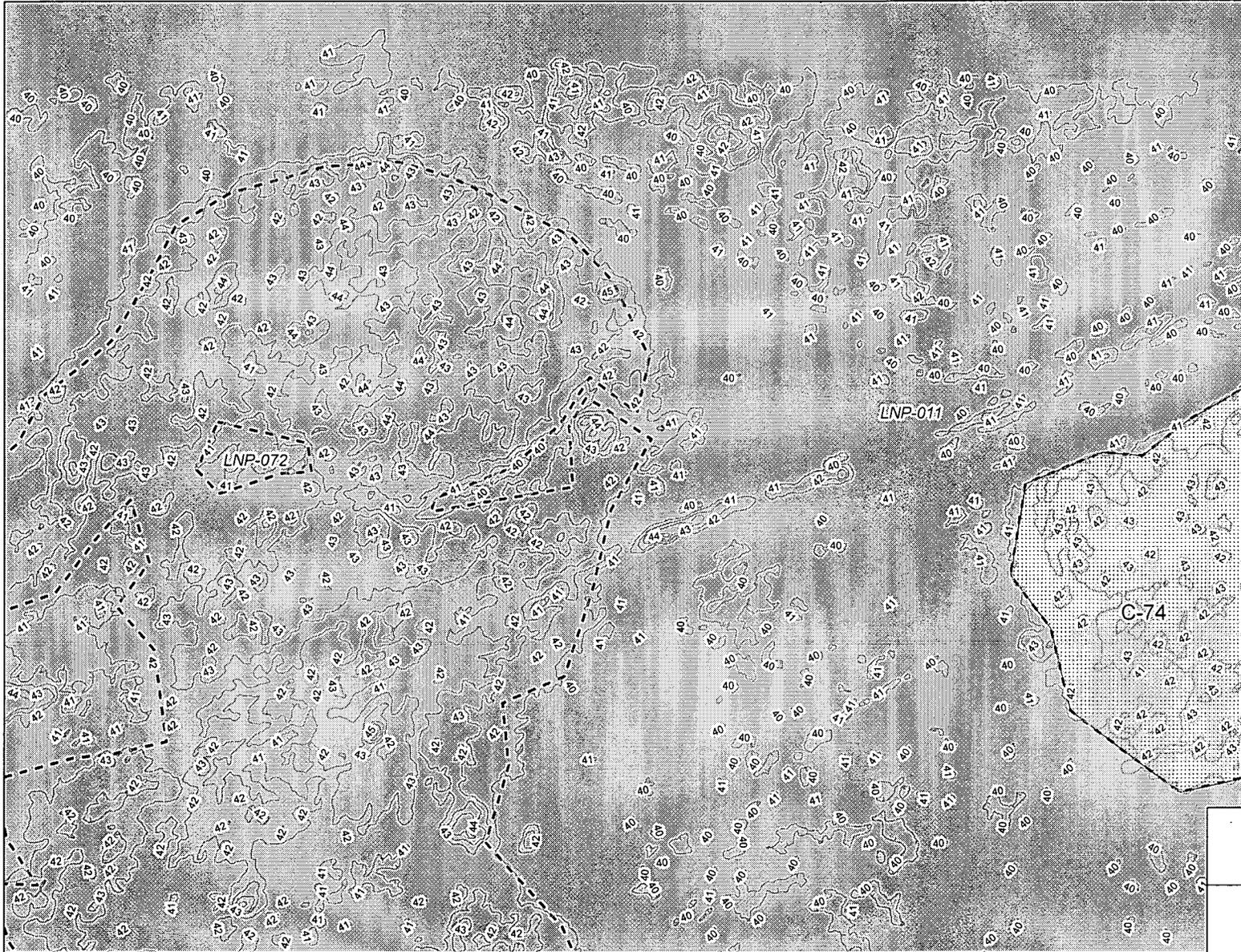
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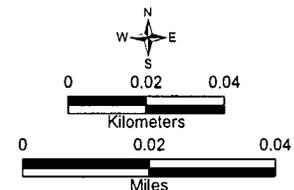
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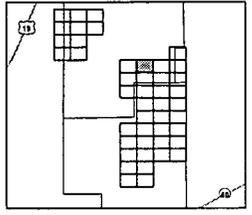
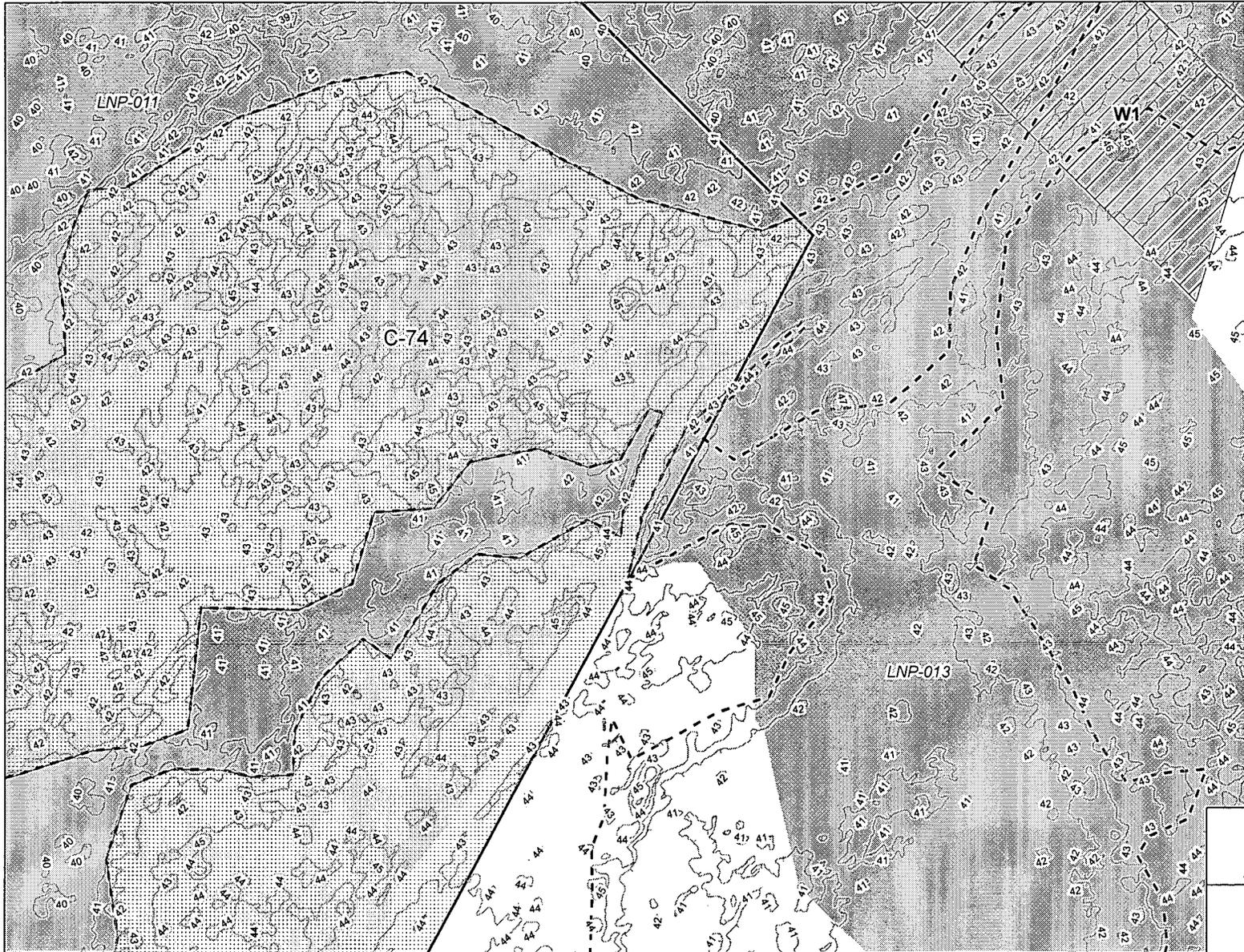
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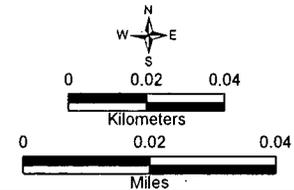
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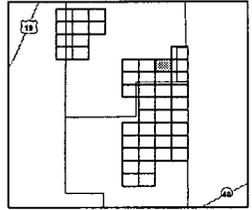
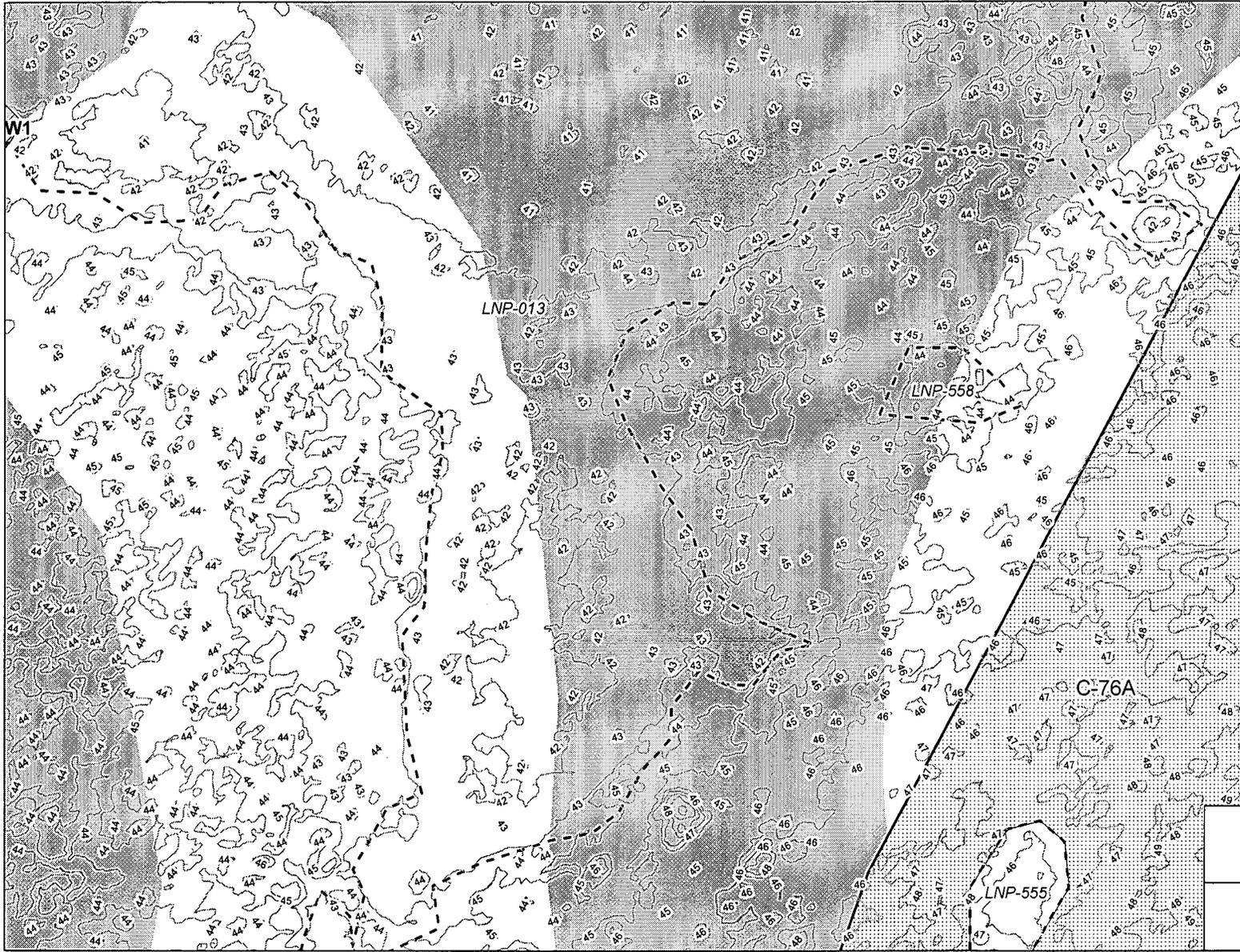
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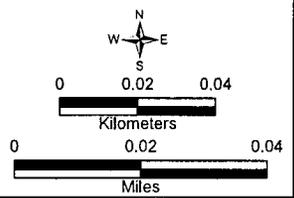
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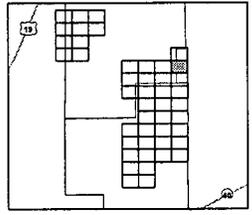
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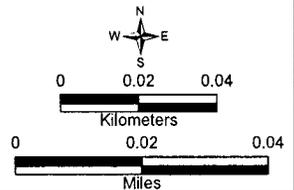
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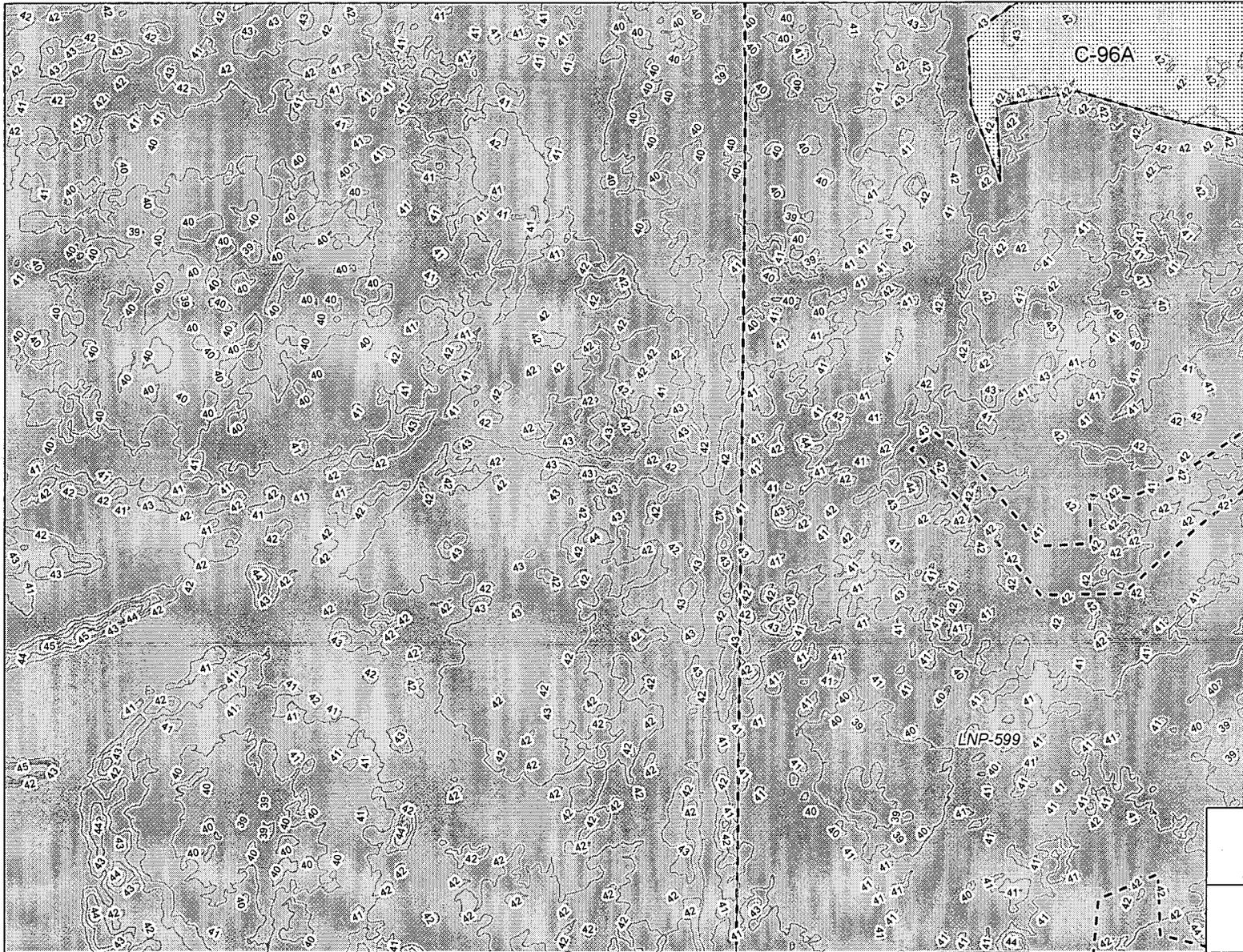
- 1 ft. Elevation Contours
- ▨ Potential On-Site Compensation Area
- ▧ Floodplain Fill Areas
- ▩ Field Survey Wetlands
- FEMA Zone A
- ▨ FEMA Zone AE
- Property Boundary
- Area Excluded From Compensation Analysis

**Sources**

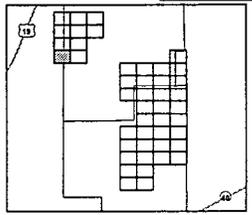
Limits of Construction: Sargent & Lundy, 2009  
 Elevation Contours: Sargent & Lundy, 2008  
 Floodplain: FEMA 1996  
 Survey Wetlands: CH2M HILL 090609



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34



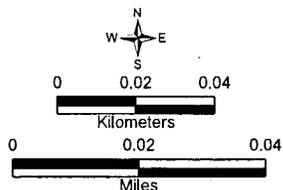
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**LEGEND**

- 1 ft. Elevation Contours
- ▨ Potential On-Site Compensation Area
- ▧ Floodplain Fill Areas
- - - Field Survey Wetlands
- ▨ FEMA Zone A
- ▨ FEMA Zone AE
- ▭ Property Boundary
- ▭ Area Excluded From Compensation Analysis

**Sources**

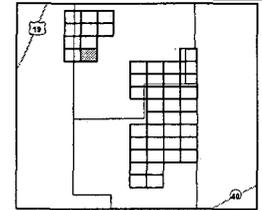
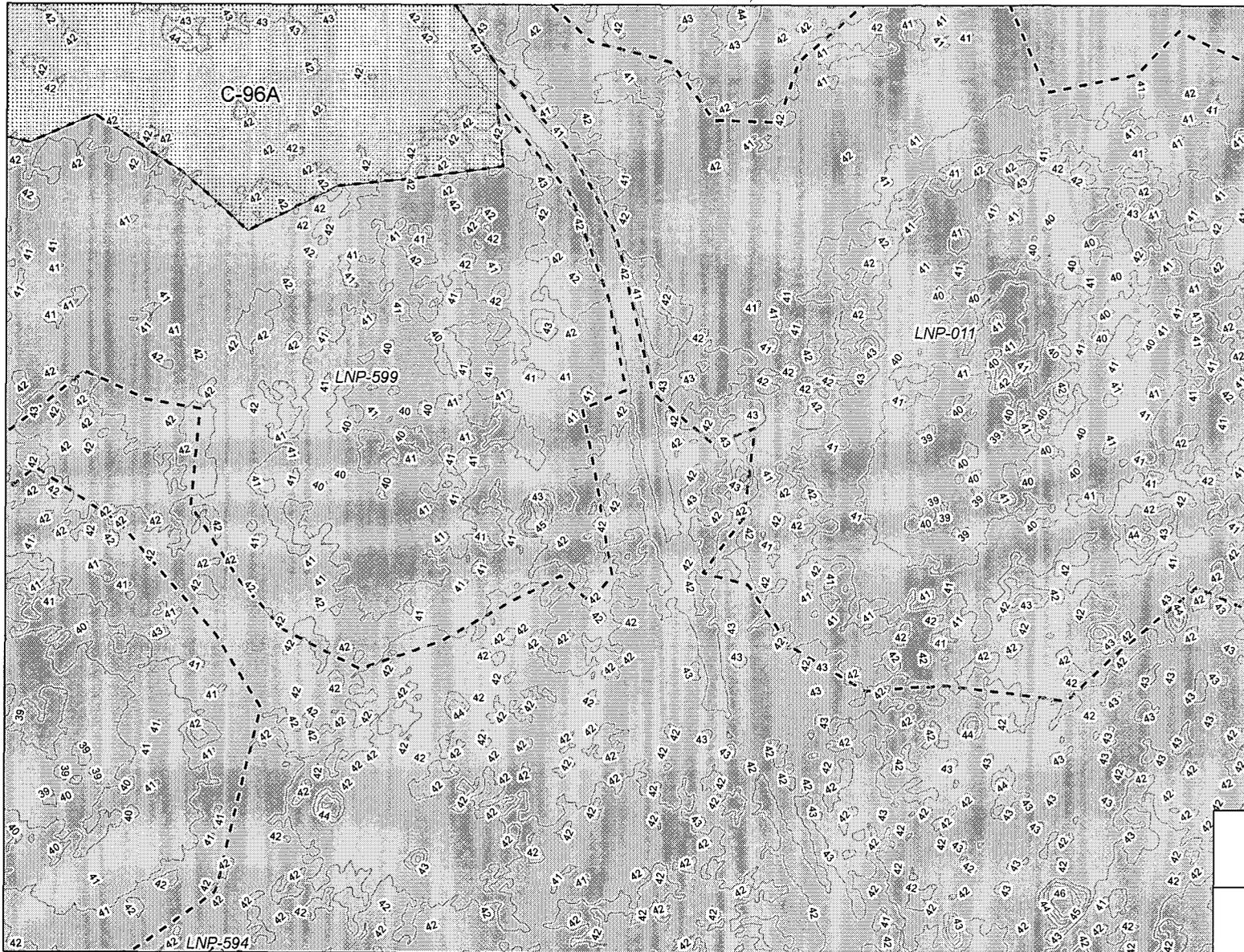
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 Floodplain: FEMA 1996  
 Survey Wetlands: CH2M HILL 090609



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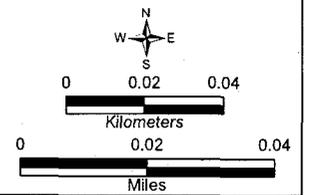
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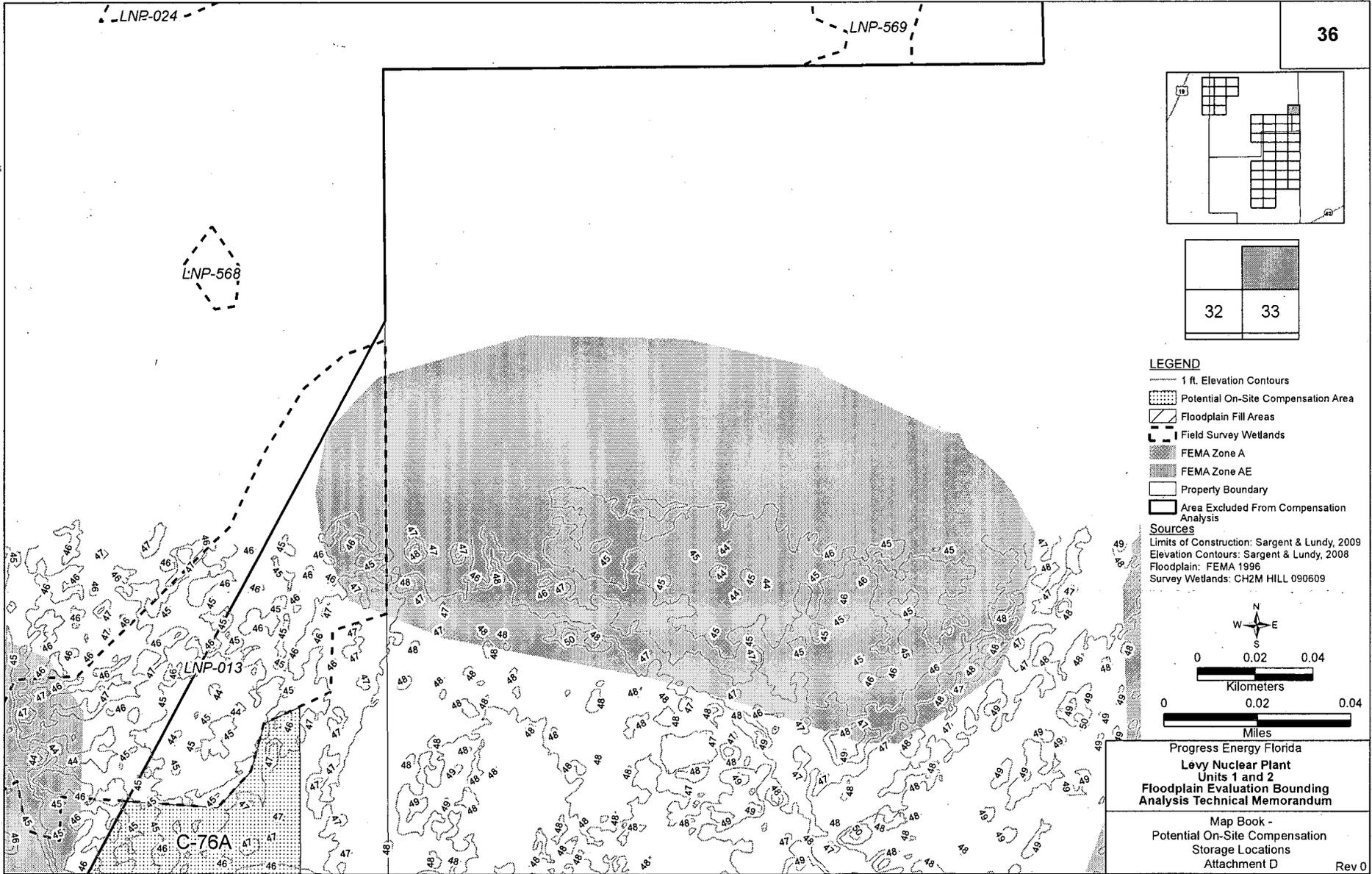
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- ▨ Potential On-Site Compensation Area
- ▧ Floodplain Fill Areas
- - - Field Survey Wetlands
- ▨ FEMA Zone A
- ▨ FEMA Zone AE
- ▭ Property Boundary
- ▭ Area Excluded From Compensation Analysis

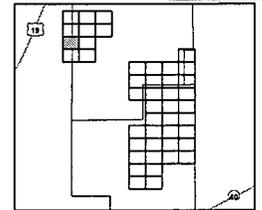
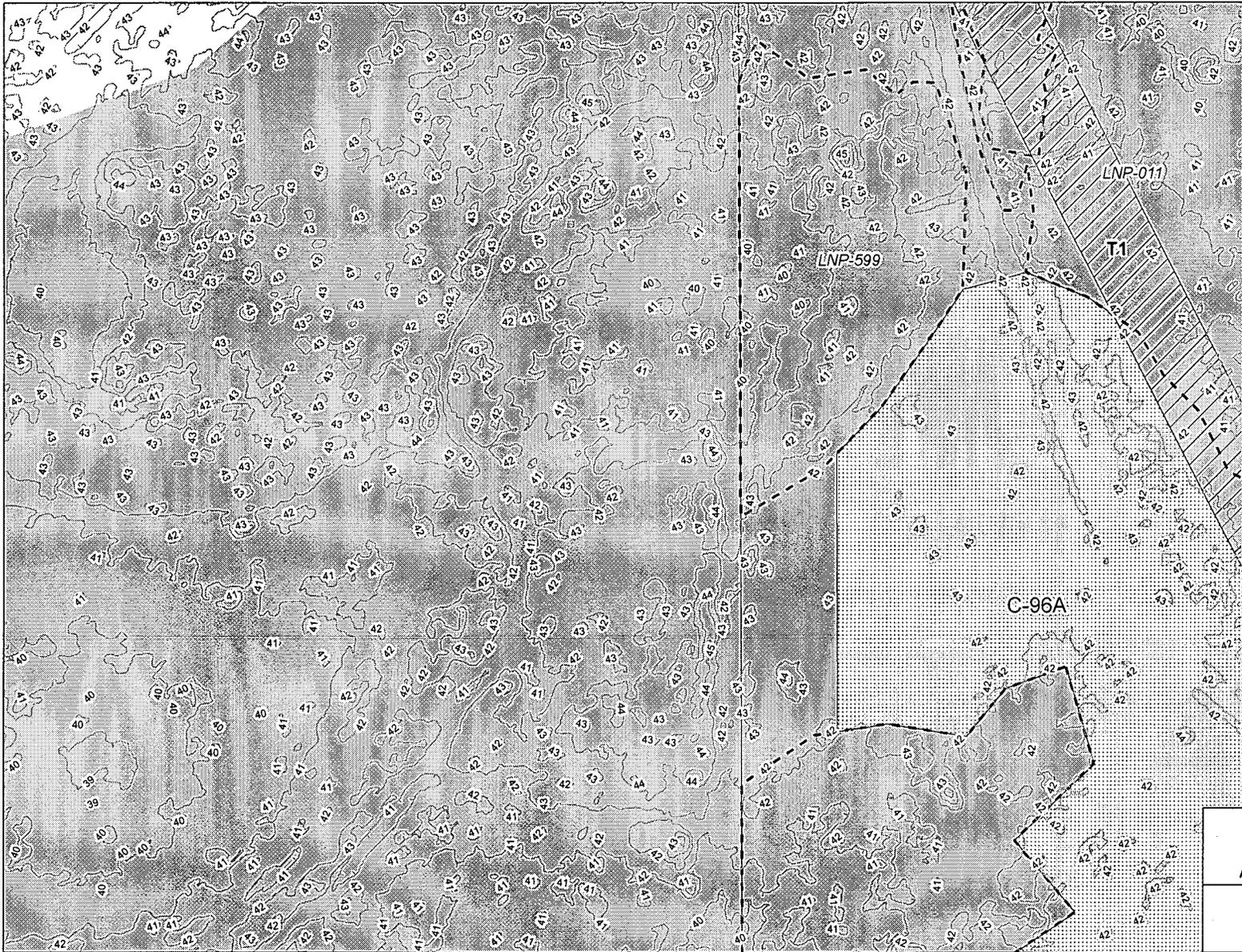
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 Elevation Contours: Sargent & Lundy, 2008  
 Floodplain: FEMA 1996  
 Survey Wetlands: CH2M HILL 090609



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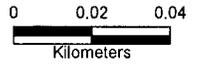
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34	35	

**LEGEND**

- 1 ft. Elevation Contours
- Potential On-Site Compensation Area
- Floodplain Fill Areas
- Field Survey Wetlands
- FEMA Zone A
- FEMA Zone AE
- Property Boundary
- Area Excluded From Compensation Analysis

**Sources**

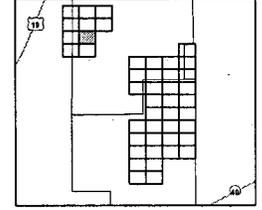
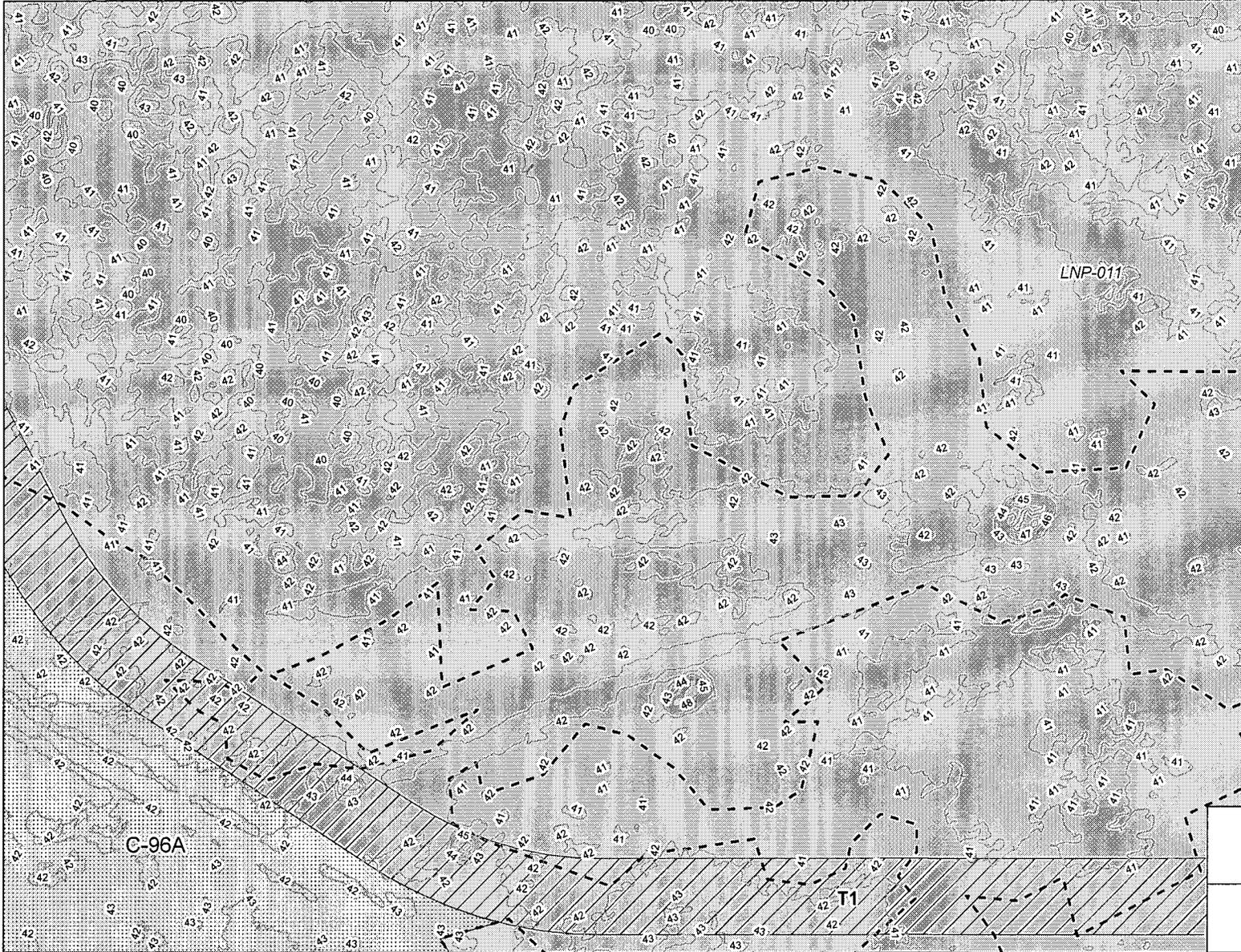
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 Floodplain: FEMA 1996  
 Survey Wetlands: CH2M HILL 090609



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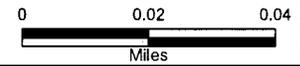
39	40	41
37		
34	35	

**LEGEND**

- 1 ft. Elevation Contours
- Potential On-Site Compensation Area
- Floodplain Fill Areas
- Field Survey Wetlands
- FEMA Zone A
- FEMA Zone AE
- Property Boundary
- Area Excluded From Compensation Analysis

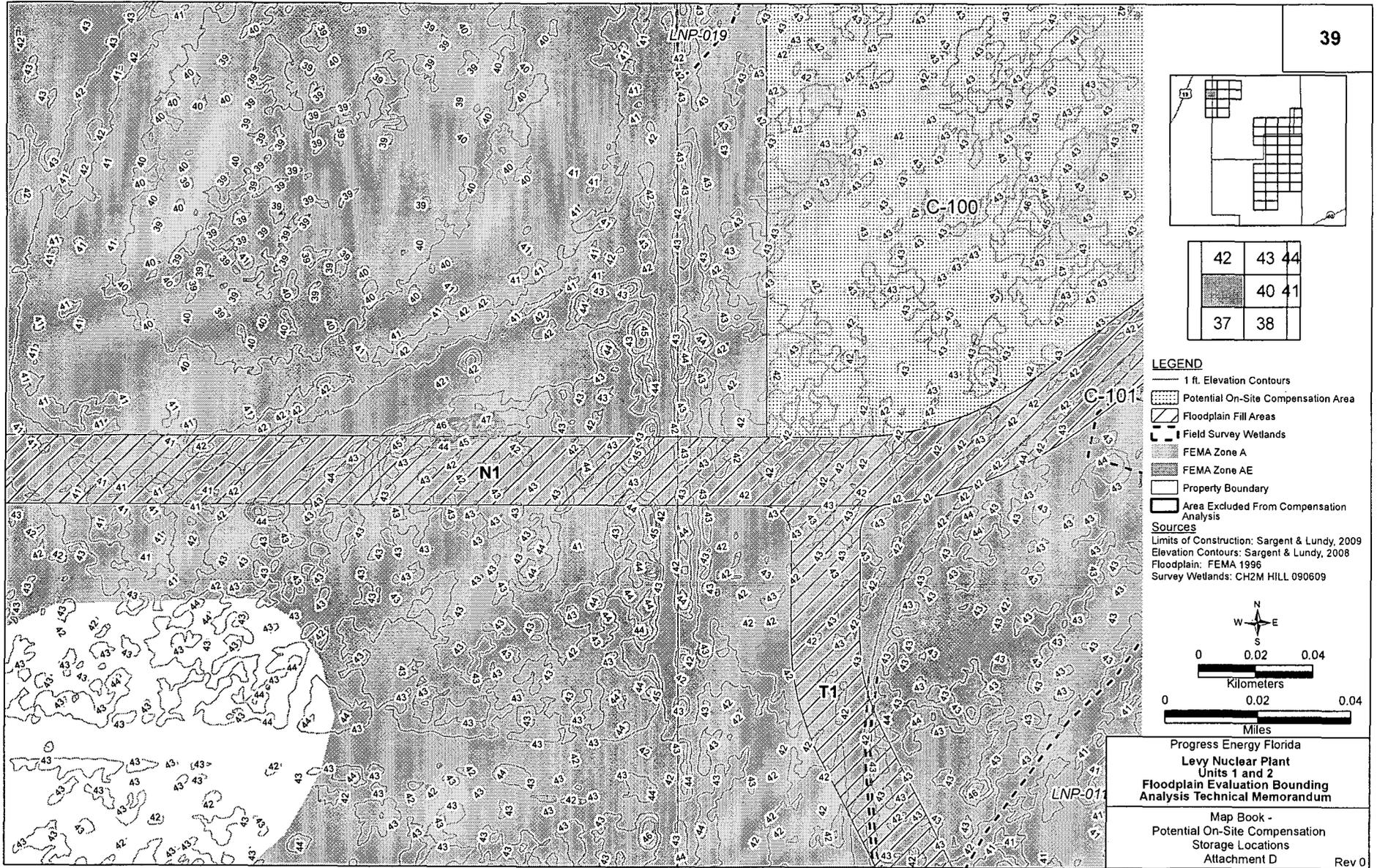
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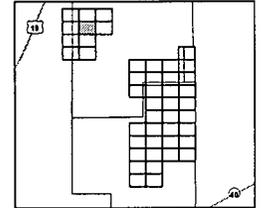
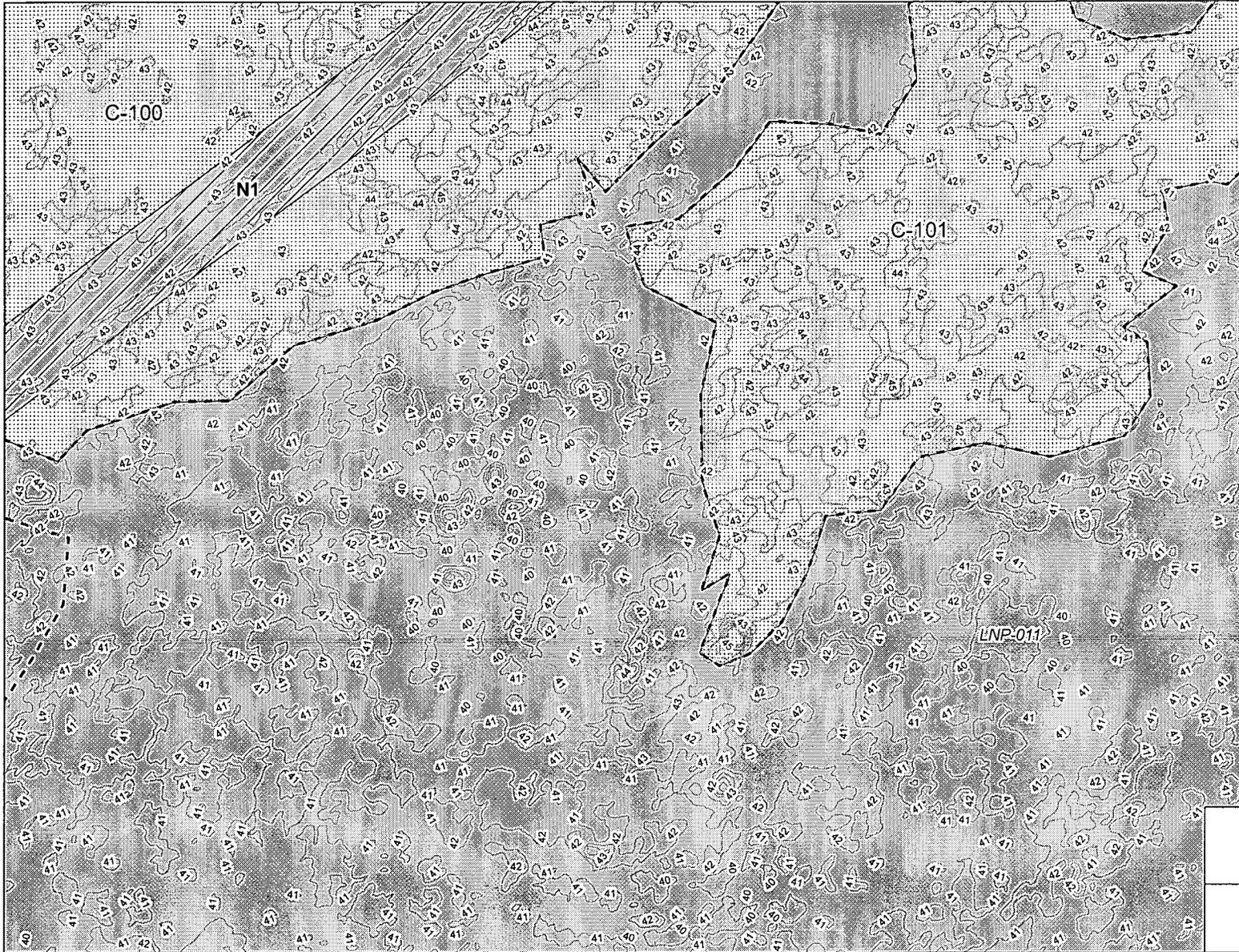
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 Floodplain: FEMA 1996  
 Survey Wetlands: CH2M HILL 090609



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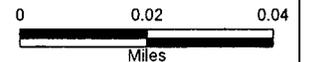
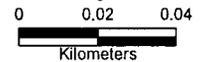
42	43	44
39		41
37	38	

**LEGEND**

- 1 ft. Elevation Contours
- Potential On-Site Compensation Area
- Floodplain Fill Areas
- Field Survey Wetlands
- FEMA Zone A
- FEMA Zone AE
- Property Boundary
- Area Excluded From Compensation Analysis

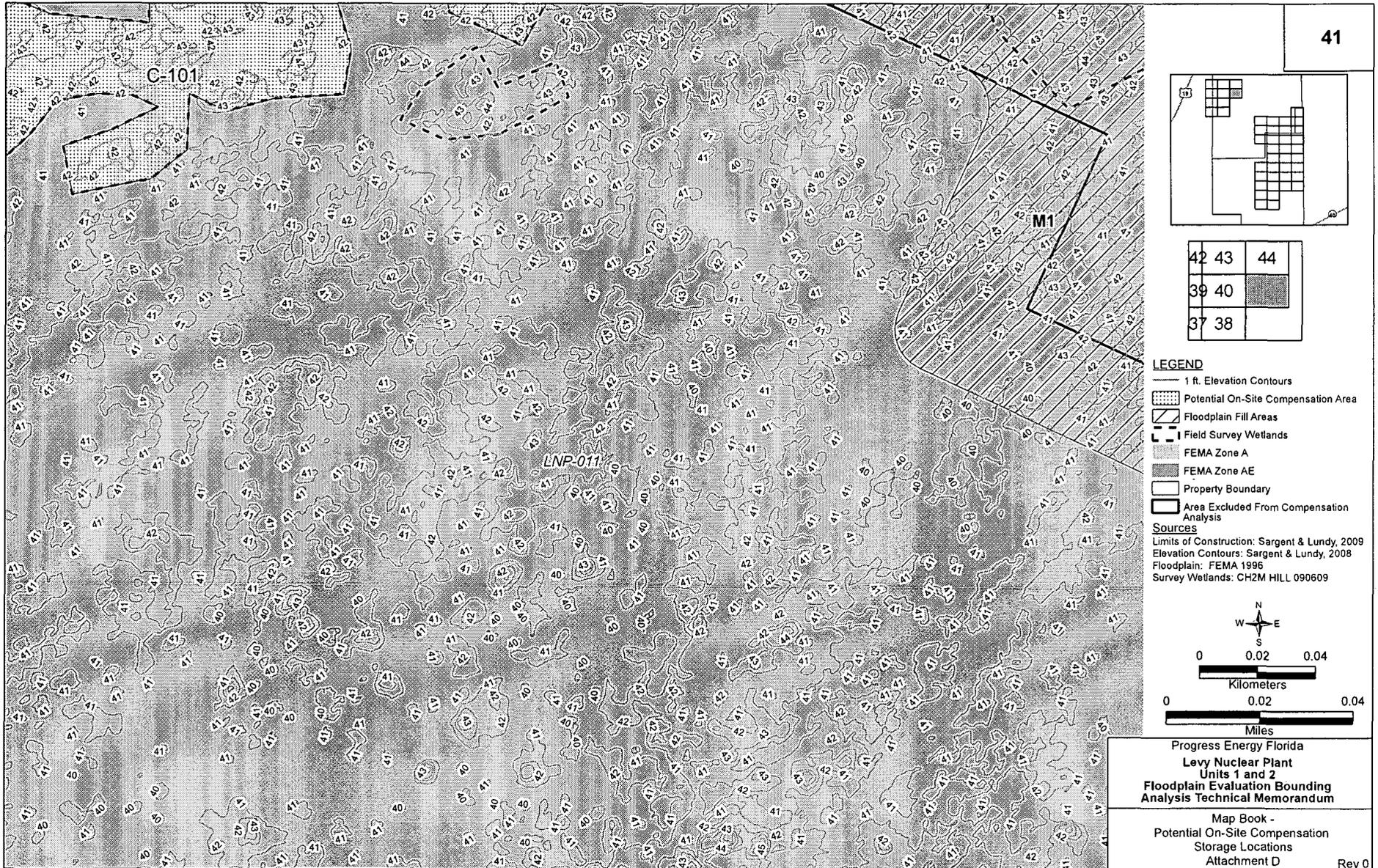
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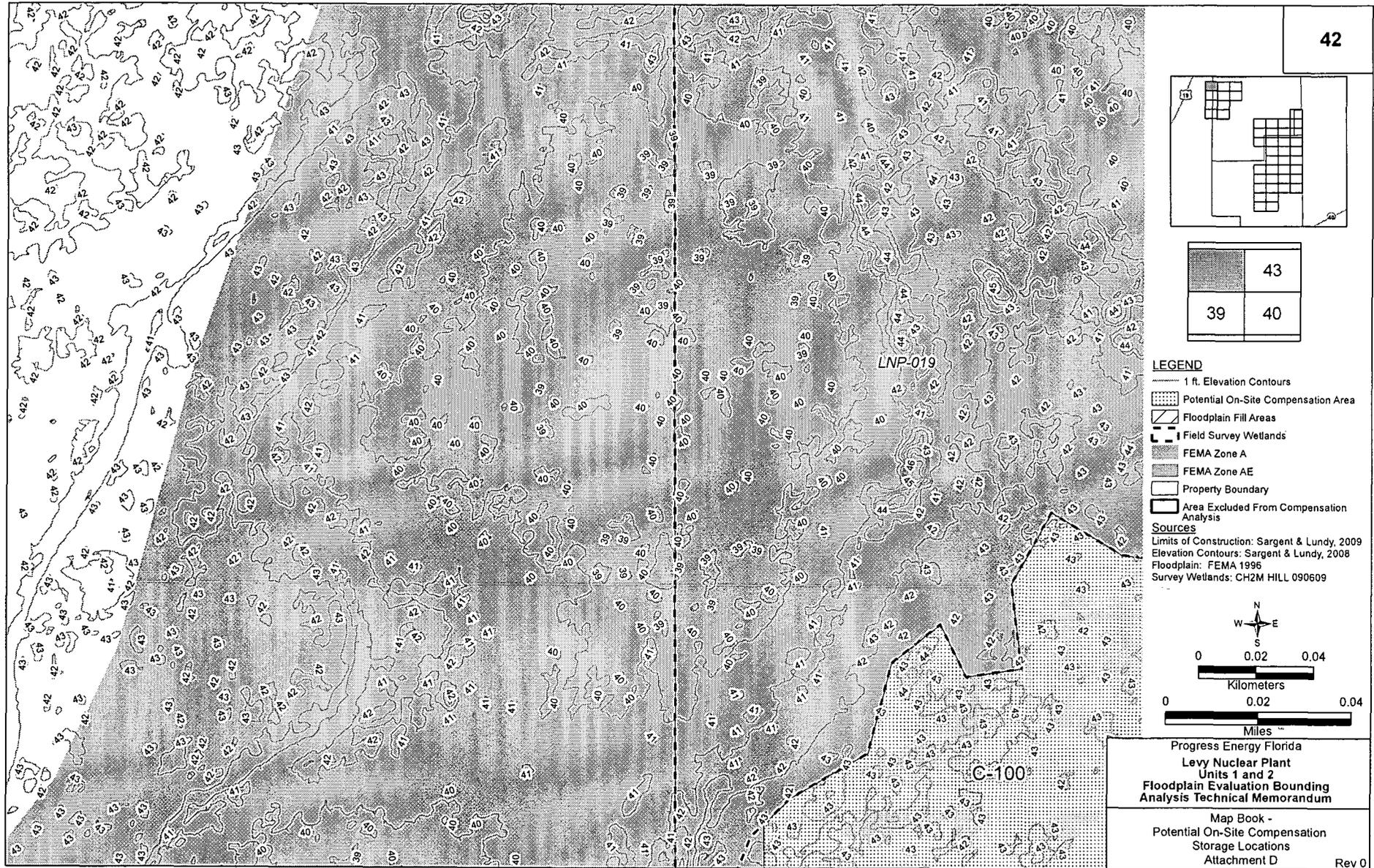
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 Floodplain: FEMA 1996  
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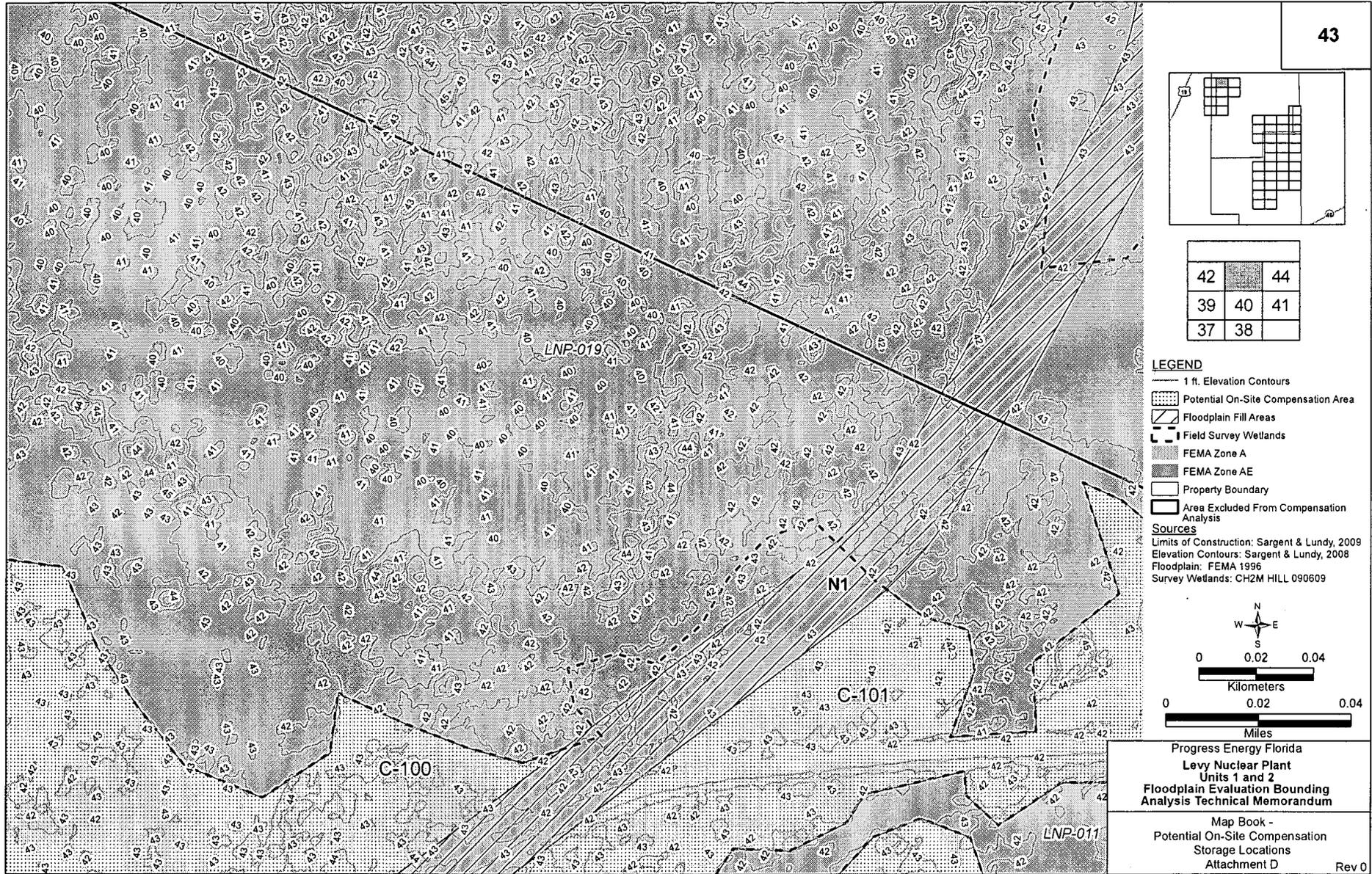


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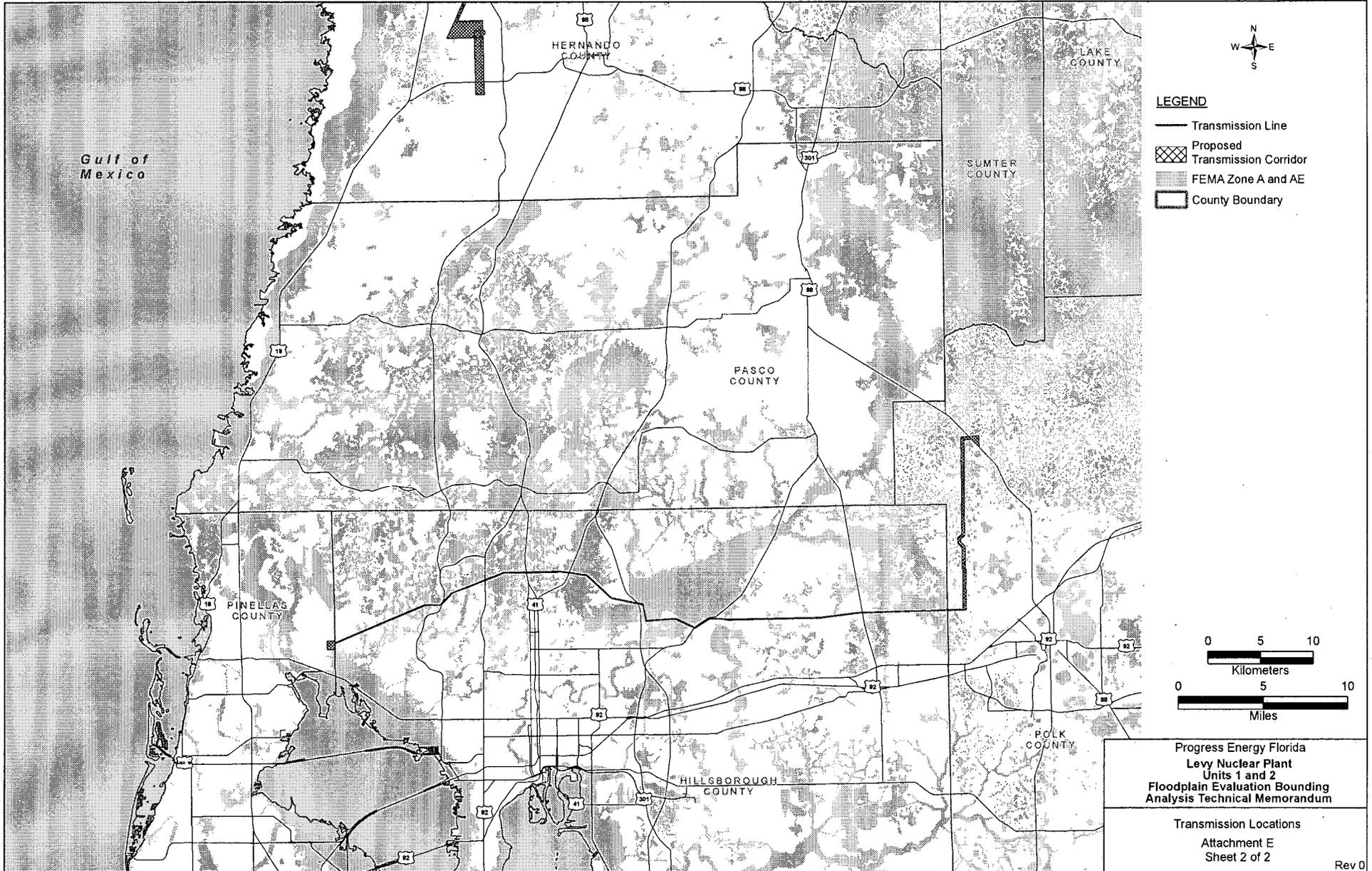






ATTACHMENT E  
**TRANSMISSION LOCATIONS**

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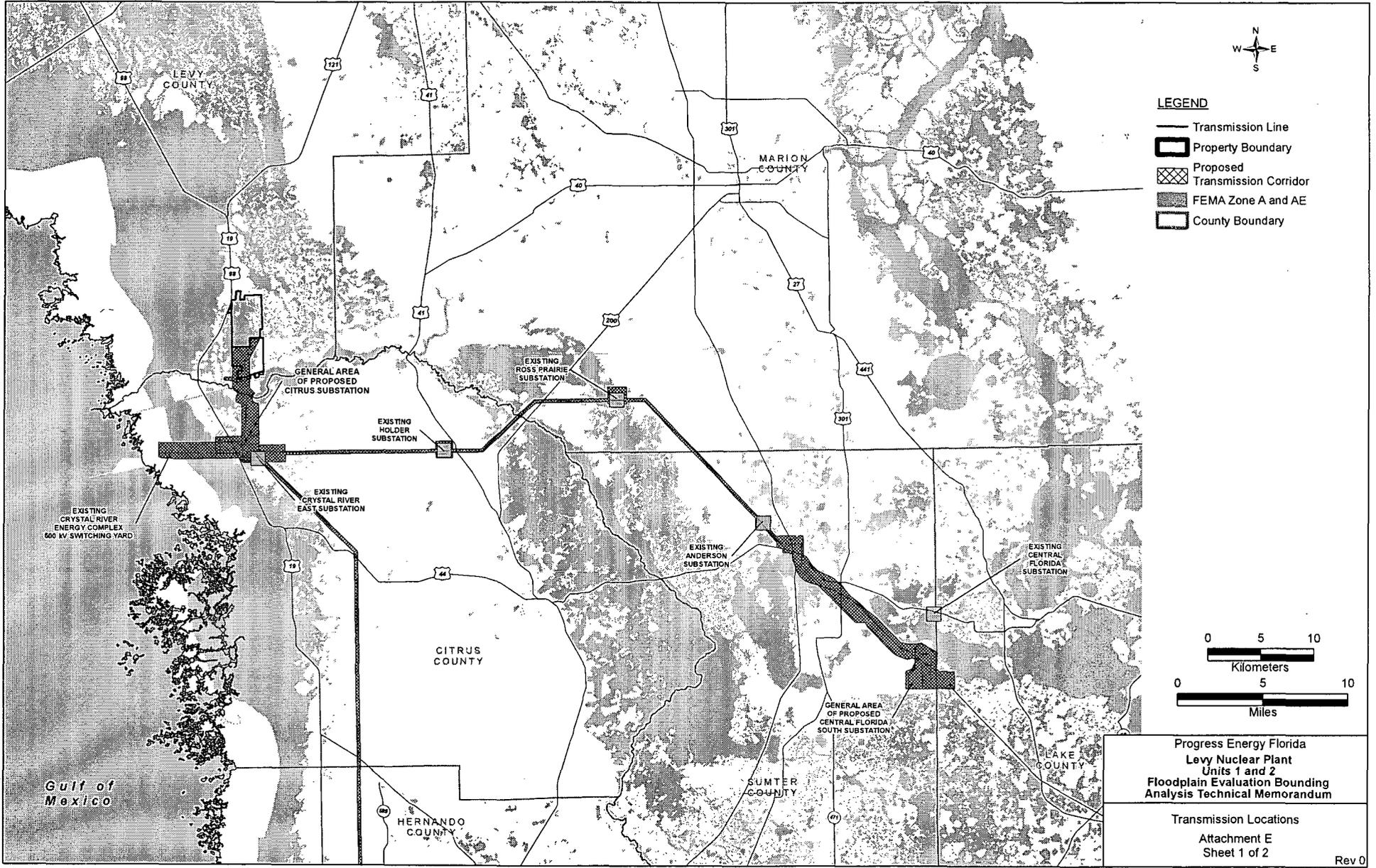
- Transmission Line
- ▨ Proposed Transmission Corridor
- ▨ FEMA Zone A and AE
- - - County Boundary

0 5 10  
Kilometers

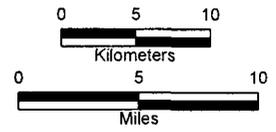
0 5 10  
Miles

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- LEGEND**
- Transmission Line
  - ▭ Property Boundary
  - ▨ Proposed Transmission Corridor
  - ▩ FEMA Zone A and AE
  - ▭ County Boundary



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