

# FAX Cover Sheet

DATE: 29 April 1997  
 Major Rich Williams

TO:

FAX No.: 334 953 6356

FROM: Lourdes Placeres, secretary to Dr. Thomas J. Sullivan  
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*James S. Ellis*

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Number of pages including cover sheet: — 19 —  
 If you do not receive all pages or there is an error during transmission,  
 please call (510) 422-1801.

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— Message —

Dear Major Rich Williams

Attached are eighteen pages of the ARAC Calculations that were generated and used in the COVD-90-1322-1A Source Term document.

If you have any questions or need clarification, please call me at 510-422-1808.

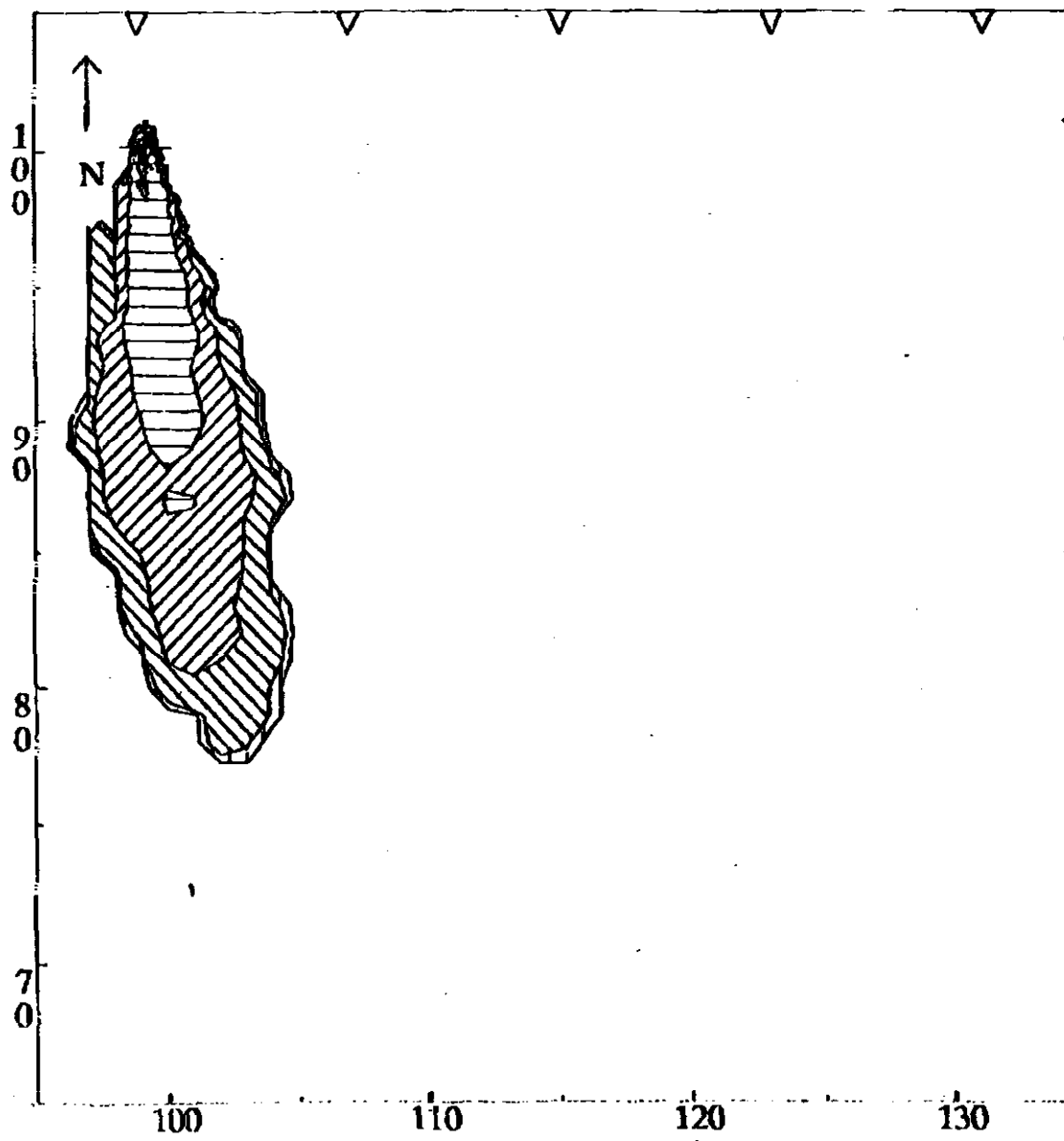
Buddy Swingle is your contact here at LLNL, 510-423-1444




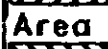

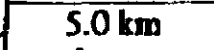
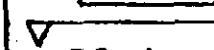
Thank you.

University of California

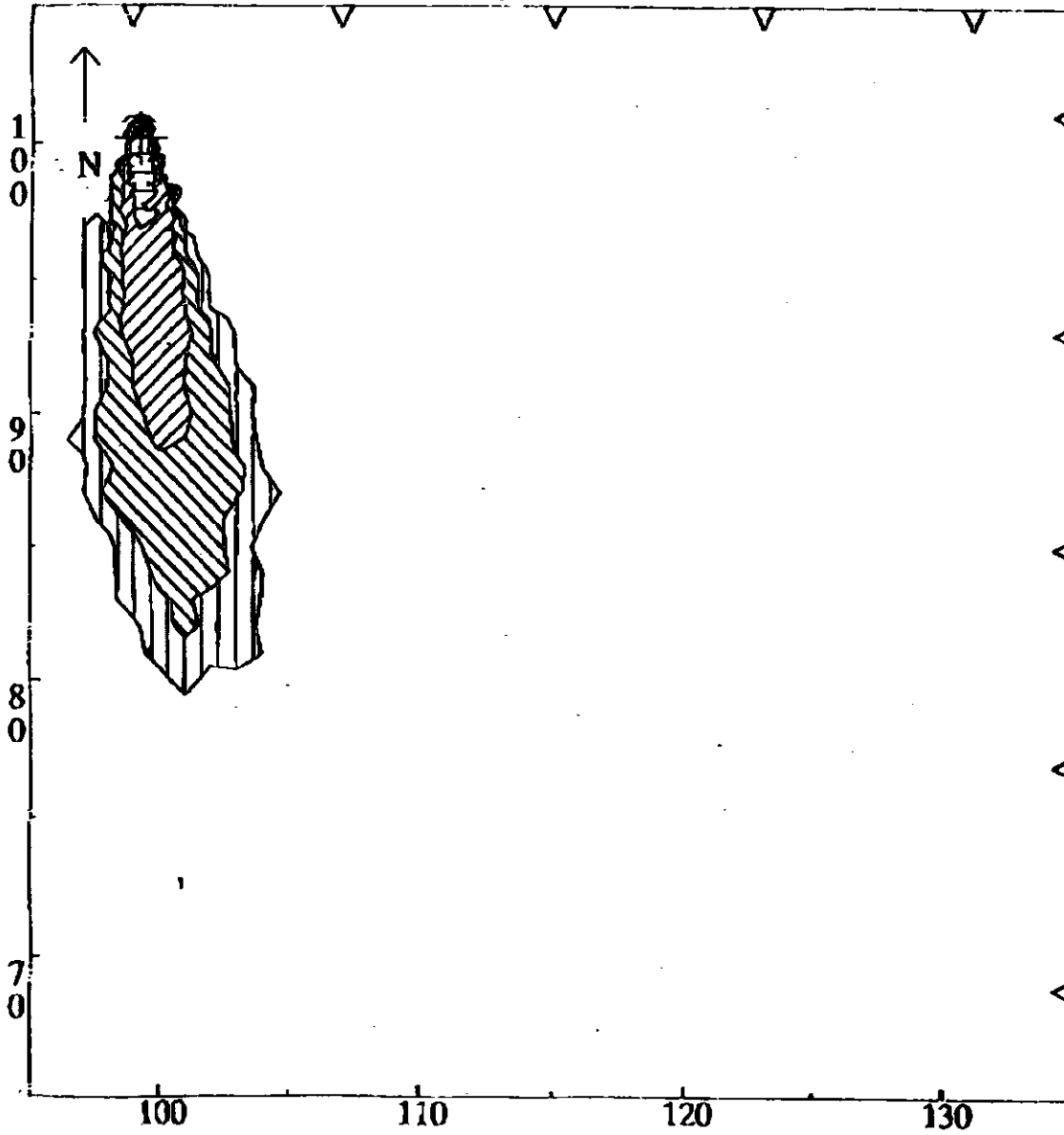



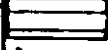





2



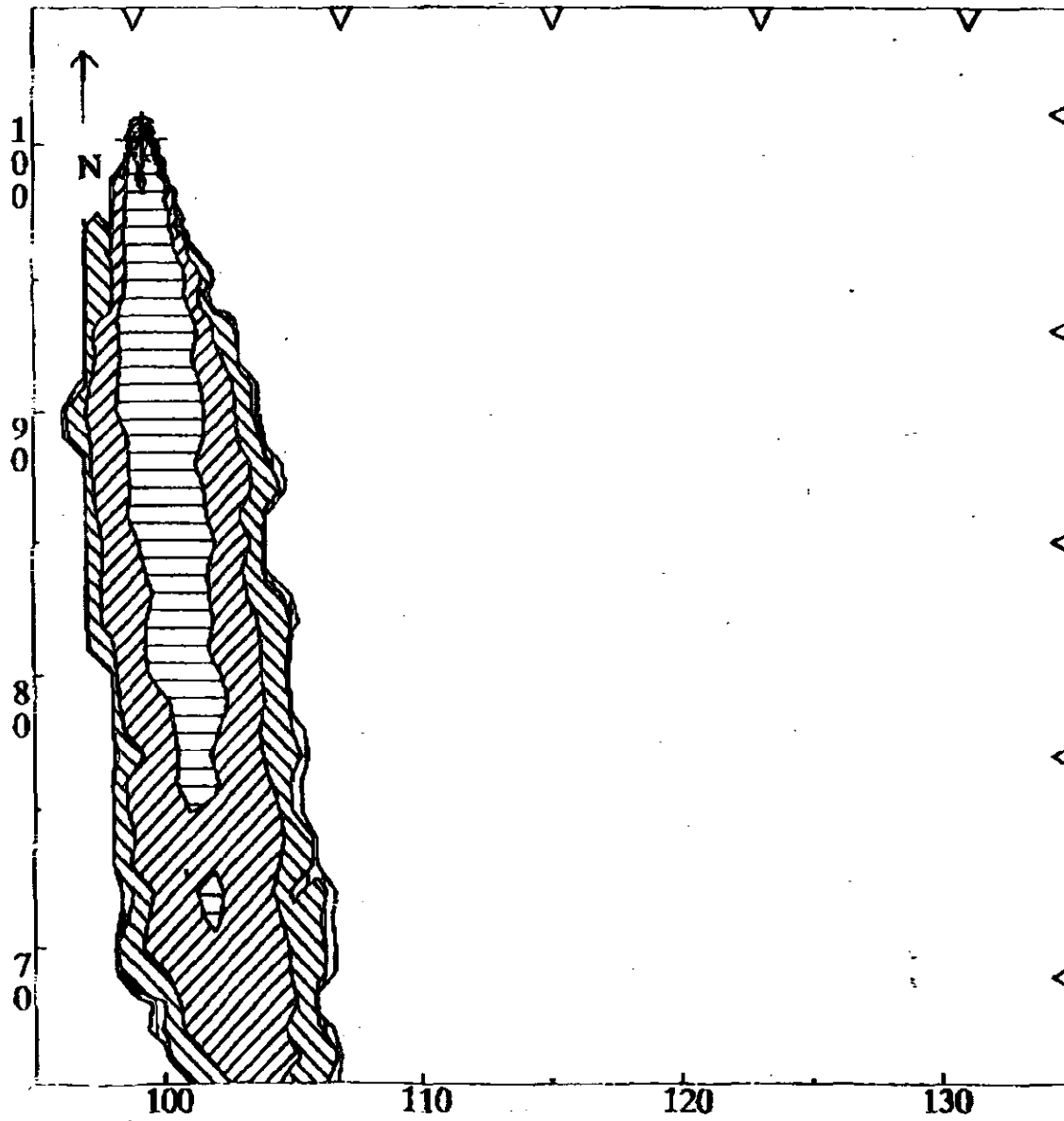
<b>ARAC Computer Simulation Notes</b>	
Respirable Integ. Air Conc.	
Generated: 14SEP90 1940 Z	
Calc #2B Remarks: 1 Facility Initial cld 1km diam 200m depth, 80% aeros., 50% resp., NVALUE met location C at 00z 14-Sep-90	
Integrated at 1.5 m	
14SEP90 0000 Z to 14SEP90 0100 Z	
Material: Droplets	
Contours: (Level and Area Covered)	
	> 1.00E+05 mg-min/m3
Area Covers	0.44 sq km
	> 1.00E+04 mg-min/m3
Area Covers	24.44 sq km
	> 1.00E+03 mg-min/m3
Area Covers	70.27 sq km
	> 1.00E+02 mg-min/m3
Area Covers	106.21 sq km
	> 5.00E+01 mg-min/m3
Area Covers	109.43 sq km
	ARAC
	






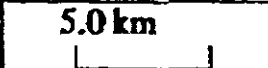

3



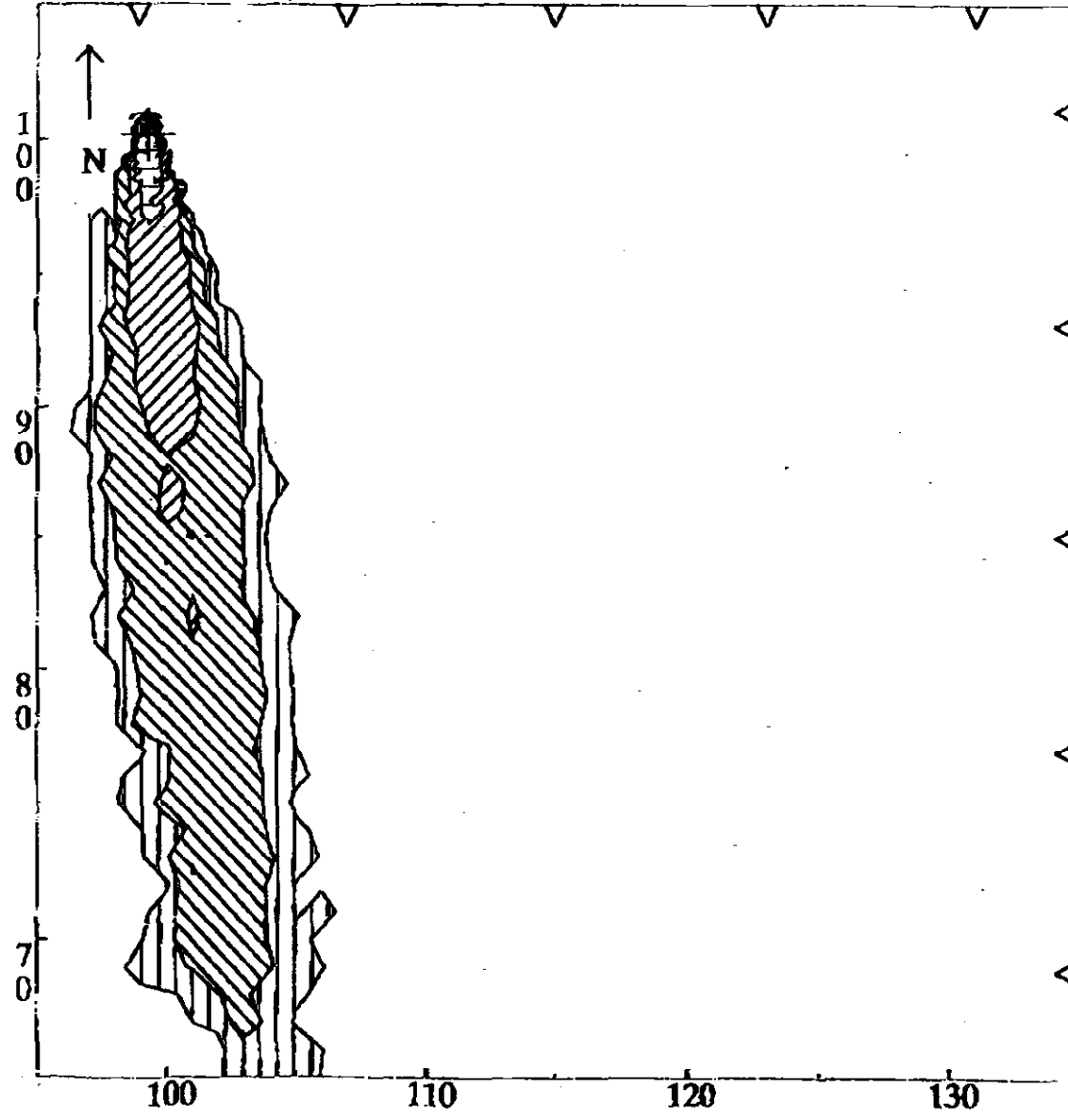
<b>ARAC Computer Simulation Notes</b>	
<b>Estimated Total Deposition</b>	
Generated: 14SEP90 1940 Z	
Calc #2B Remarks: 1 Facility Initial cld 1km diam 200m depth, 80% aeros., 50% resp., NVALUE met location C at 00z 14-Sep-90	
Total Deposition at 0.0 m	
14SEP90 0000 Z to 14SEP90 0100 Z	
Material: Droplets	
<b>Contours:</b> (Level and Area Covered)	
	> 1.00E+07 mg/m2
Area Covers	0.02 sq km
	> 1.00E+06 mg/m2
Area Covers	2.50 sq km
	> 1.00E+05 mg/m2
Area Covers	20.84 sq km
	> 1.00E+04 mg/m2
Area Covers	63.27 sq km
	> 1.00E+03 mg/m2
Area Covers	93.54 sq km
	ARAC
	


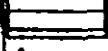
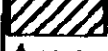



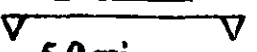
4



<b>ARAC Computer Simulation Notes</b>	
Respirable Integ. Air Conc.	
Generated: 14SEP90 1940 Z	
Calc #2B Remarks: 1 Facility Initial cld 1km diam 200m depth, 80% aeros., 50% resp., NVALUE met location C at 00z 14-Sep-90	
Integrated at 1.5 m	
14SEP90 0000 Z to 14SEP90 0200 Z	
Material: Droplets	
Contours: (Level and Area Covered)	
	> 1.00E+05 mg-min/m <sup>3</sup> Area Covers 0.44 sq km
	> 1.00E+04 mg-min/m <sup>3</sup> Area Covers 58.69 sq km
	> 1.00E+03 mg-min/m <sup>3</sup> Area Covers 162.27 sq km
	> 1.00E+02 mg-min/m <sup>3</sup> Area Covers 208.21 sq km
	> 5.00E+01 mg-min/m <sup>3</sup> Area Covers 215.43 sq km
	ARAC
	

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<b>ARAC Computer Simulation Notes</b>	
<b>Estimated Total Deposition</b>	
Generated: 14SEP90 1940 Z	
Calc #2B Remarks: 1 Facility Initial cld 1km diam 200m depth, 80% aeros., 50% resp., NVALUE met location C at 00z 14-Sep-90	
Total Deposition at 0.0 m 14SEP90 0000 Z to 14SEP90 0200 Z	
Material: Droplets	
Contours: (Level and Area Covered)	
	> 1.00E+07 mg/m²
Area Covers	0.02 sq km
	> 1.00E+06 mg/m²
Area Covers	2.50 sq km
	> 1.00E+05 mg/m²
Area Covers	29.09 sq km
	> 1.00E+04 mg/m²
Area Covers	127.27 sq km
	> 1.00E+03 mg/m²
Area Covers	192.54 sq km
	
	
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600 Z





























