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REAC

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
ENVIRONMENTAL RESPONSE TEAM
EPA

OFFICE OF EMERGENCY AND REMEDIAL RESPONSE

NLI 002 1605

FINAL REPORT

FIELD ECOLOGICAL ASSESSMENT

NATIONAL LEAD SITE
PEDRICKTOWN, SALEM COUNTY, NJ

JUNE 1993

Appendices F to L

PREPARED BY:

Mark D. Sprenger, Ph.D.
Environmental Response Team

AND

Richard Henry
ERT/REAC

Environmental Response Branch
Emergency Response Division
Office of Emergency & Remedial Response

NLI 002 1606

FINAL REPORT
ECOLOGICAL ASSESSMENT
NATIONAL LEAD SITE
PEDRICKTOWN, SALEM COUNTY, NJ
NOVEMBER 1992

VOLUME 3 OF 3

U.S. EPA WORK ASSIGNMENT NO.: 3-643
WESTON WORK ORDER NO.: 3347-033-001-4643
U.S. EPA CONTRACT NO.: 68-03-3482

NLI 002 1607

/bovitz/fr-4643

Appendix F

NLI 002 1608

APPENDIX F
Frog Sampling Data Sheets
National Lead Site

/bovitz/fr-4643

NLI 002 1609

FROG PROCESSING DATA SHEET

Site Name: National Lead
Work Assignment No.: 3-643
Sample Location: ES
Sample No.: ES-1

Date Collected: 8/11/92
Date Processed: 8/11/92
Preparator: P. Kim

==========

Species: Rana clamitans

Head-Body Length (mm): 60

Whole Body Weight (g): 15.988

Weight After Stomach Content Removal and Small Intestine/Colon Removal (g): 14.607

Weight of Homogenate (g): _____

Preservative: 0°C

==========

Remarks: Animal died prior to dissection

USE SAMPLE FOR MS/MSD.

NLI 002 1610

FROG PROCESSING DATA SHEET

Site Name: National Lead
Work Assignment No.: 3-643
Sample Location: ES
Sample No.: ES-2

Date Collected: 8/11/92
Date Processed: 8/11/92
Preparator: P. Kim

==========

Species: Rana clamitans

Head-Body Length (mm): 54

Whole Body Weight (g): 11.372

Weight After Stomach Content Removal and Small Intestine/Colon Removal (g): 10.575

Weight of Homogenate (g): _____

Preservative: 0°C

==========

Remarks: Animal dead prior to dissection.

NLI 002 1611

FROG PROCESSING DATA SHEET

Site Name: National Lead
Work Assignment No.: 3-643
Sample Location: ES
Sample No.: ES-3

Date Collected: 8/11/92
Date Processed: 8/11/92
Preparator: P. Kim

==========

Species: Rana clamitans

Head-Body Length (mm): 41

Whole Body Weight (g): 5.098

Weight After Stomach Content Removal and Small Intestine/Colon Removal (g): ~~4.46~~ PK 4.641

Weight of Homogenate (g): _____

Preservative: 0°C

==========

Remarks: Animal pitted prior to dissection.

NLI 002 1612

FROG PROCESSING DATA SHEET

Site Name: National Lead
Work Assignment No.: 3-643
Sample Location: ES
Sample No.: ES-4

Date Collected: 8/11/92
Date Processed: 8/11/92
Preparator: P. Kim

==========

Species: Rana clamitans

Head-Body Length (mm): 41

Whole Body Weight (g): 5.842

Weight After Stomach Content Removal and Small Intestine/Colon Removal (g): 4.736

Weight of Homogenate (g): _____

Preservative: 0°C

==========

Remarks: Animal pithed prior to dissection

NLI 002 1613

FROG PROCESSING DATA SHEET

Site Name: National Lead
Work Assignment No.: 3-643
Sample Location: W52 A
Sample No.: W52A-1

Date Collected: 8/11/92
Date Processed: 8/11/92
Preparator: P. Kim

W5 RK marks

==========

Species: Rana clamitans

Head-Body Length (mm): 35

Whole Body Weight (g): 3.366

Weight After Stomach Content Removal and Small Intestine/Colon Removal (g): 3.032

Weight of Homogenate (g): _____

Preservative: 0°C

==========

Remarks: Collected upstream of railroad.
Animal pithed prior to dissection.
Colon & intestinal tract saved.

NLI 002 1614

FROG PROCESSING DATA SHEET

Site Name: National Lead
Work Assignment No.: 3-643
Sample Location: WS2B
Sample No.: WS2B-2

Date Collected: 8/11/92
Date Processed: 8/11/92
Preparator: P. Kim

WS foo!

==========

Species: Rana clamitans

Head-Body Length (mm): 30

Whole Body Weight (g): 1.889

Weight After Stomach Content Removal and Small Intestine/Colon Removal (g): 1.751

Weight of Homogenate (g): _____

Preservative: 0°C

==========

Remarks: Collected 10' downstream of road/pool.
Animal pithed prior to dissection.
Colon & intestinal tract saved

NLI 002 1615

FROG PROCESSING DATA SHEET

Site Name: National Lead
Work Assignment No.: 3-643
Sample Location: WS2 C
Sample No.: WS2C-3

Date Collected: 8/11/92
Date Processed: 8/11/92
Preparator: P. Kim

==========

WS KR

Species: Rana clamitans

Head-Body Length (mm): 40

Whole Body Weight (g): 4.696

Weight After Stomach Content Removal and Small Intestine/Colon Removal (g): 4.238

Weight of Homogenate (g): _____

Preservative: 0°C

==========

Remarks: Animal pithed prior to dissection.
Colon & intestinal tract saved

NLI 002 1616

FROG PROCESSING DATA SHEET

Site Name: National Lead
Work Assignment No.: 3-643
Sample Location: WS 2D
Sample No.: WS 2D-4

Date Collected: 8/11/92
Date Processed: 8/11/92
Preparator: P. Kim

WS RA

==========

Species: Rana clamitans

Head-Body Length (mm): 32

Whole Body Weight (g): 3.422

Weight After Stomach Content Removal and Small Intestine/Colon Removal (g): 3.023

Weight of Homogenate (g): _____

Preservative: 0°C

==========

Remarks: Animal pithed prior to dissection.
Colon & intestinal tract saved.

NLI 002 1617

FROG PROCESSING DATA SHEET

Site Name: National Lead
Work Assignment No.: 3-643
Sample Location: WS2E
Sample No.: WS2E-5

Date Collected: 8/11/92
Date Processed: 8/11/92
Preparator: P. Kim

==========

Species: Rana clamitans

WS RR trach

Head-Body Length (mm): 33

Whole Body Weight (g): 3.230

Weight After Stomach Content Removal and Small Intestine/Colon Removal (g): 2.807

Weight of Homogenate (g): _____

Preservative: 0°C

==========

Remarks: Animal pithed prior to dissection
Colon & intestinal tract saved.

NLI 002 1618

FROG PROCESSING DATA SHEET

Site Name: National Lead
Work Assignment No.: 3-643
Sample Location: WS2F
Sample No.: WS2F-6

Date Collected: 8/11/92
Date Processed: 8/11/92
Preparator: P. Kim

==========

Species: Rana clamitans

Closer to N. tracks 25 FT North

Head-Body Length (mm): 39

Whole Body Weight (g): 4.386

Weight After Stomach Content Removal and Small Intestine/Colon Removal (g): 3.983

Weight of Homogenate (g): _____

Preservative: 0°C

==========

Remarks: Animal sitted prior to dissections.
Colon & ~~small~~ PK intestinal tract saved.

NLI 002 1619

FROG PROCESSING DATA SHEET

Site Name: National Lead
Work Assignment No.: 3-643
Sample Location: WS130
Sample No.: WS130-1

Date Collected: 8/10/92
Date Processed: 8/11/92
Preparator: P. Kim

==========

Species: Rana clamitans

Head-Body Length (mm): 40

Whole Body Weight (g): 5.354

Weight After Stomach Content Removal and Small Intestine/Colon Removal (g): 4.935

Weight of Homogenate (g): _____

Preservative: 0°C

==========

Remarks: Collected ~120' upstream of confluence w/ pond drainage. Animal dead prior to dissection.

NLI 002 1630

FROG PROCESSING DATA SHEET

Site Name: National Lead
Work Assignment No.: 3-643
Sample Location: WS130
Sample No.: WS130-2

Date Collected: 8/10/92
Date Processed: 8/11/92
Preparator: P. Kim

==========

Species: Rana clamitans

Head-Body Length (mm): 53

Whole Body Weight (g): 13.586

Weight After Stomach Content Removal and Small Intestine/Colon Removal (g): 12.438

Weight of Homogenate (g): _____

Preservative: 0°C

==========

Remarks: Collected at confluence of pond drainage
Animal dead prior to dissection.

USE SAMPLE FOR MS/MSD

NLI 002 1631

FROG PROCESSING DATA SHEET

Site Name: National Lead
Work Assignment No.: 3-643
Sample Location: WSP
Sample No.: WSP-1

Date Collected: 8/10/92
Date Processed: 8/11/92
Preparator: P. Kim

==========

Species: Rana clamitans

WSpool

Head-Body Length (mm): 34

Whole Body Weight (g): 2.855

Weight After Stomach Content Removal and Small Intestine/Colon Removal (g): 2.593

Weight of Homogenate (g): _____

Preservative: 0°C

==========

Remarks: Collected 50' north of Pedricktown Rd.
Animal pithed prior to dissection.
Colon & intestinal tract saved.

NLI 002 1622

Accredited Laboratories, Inc.

Foot of Pershing Avenue P.O. Box 369
Carteret, New Jersey 07008-0369
Telephone (908) 541-2025

RECEIVED
AUG 25 1992
WESTON/REAC

AMAX

August 21, 1992

Ms. Debbie Weeks
Roy F. Weston, Inc./REAC
GSA Raritan Depot
2890 Woodbridge Ave.
Edison, NJ 08837-3679

Dear Ms. Weeks:

It was our pleasure, both myself and Mr. Rudi Hagen, to have the opportunity meeting with you and your staff on August 19, 1992 to discuss the issues regarding the grain size analysis for your project. As it was indicated in the meeting, Accrdited Laboratories, Inc. performs the grain size analysis following ASTM method D 422-63. Due to the high content of vegetation materials in the samples of C15843 through C15854 (ALI case# 267, laboratory sample#s 9204385 through 9204396), the ignition process at 700 F to eliminate the vegetation interference was performed for these samples in order to proceed the hydrometer anaysis properly. The percent weight loss due to the ignition is presented in the raw data file. In the conclusion of this meeting, Accredited Laboratory Inc. agrees the following for future grain size analysis on your samples.

1. An ignition process at 700 F for the samples with high content of vegetation will be performed. The weight loss due to the ignition will be presented in the raw data file. This alteration will be noted in the non-conformance of the data package.
2. The calculation equation of the particle diameter listed in section 15.2 of the method will be used instead of the equation listed in section 15.1 which was used previously. In order to follow the equation listed in section 15.2, the hydrometer 152H is required to be purchased. It was informed by the supplier that the duration of the availability of this hydrometer is about 10 days. Therefore it was agreed from you that a two week turn around time for the batch of your samples# E14662 through E14664 and E15875 through E15876 (ALI case# 747) is waived until the laboratory receives the proper hydrometer. We will, of course, expedite the analysis upon receiveing the hydrometer.
3. The grain size distribution in graph format as you request will be included in the future data package.

NLI 002 1623

If you or your staff have any question regarding the information presented herein, please feel free to call either one of us.

Sincerely,

Yun-shen Lee, Ph.D.

Cc. J. Anselmo

NLI 002 1624

Foot of Pershing Avenue, P.O. Box 369
Carteret, New Jersey 07008-0368
Telephone: (908) 541-2026

September 25, 1992

AMAX

Certificate of Analysis

Client: Roy F. Weston, Inc.

Case #747

Sample #: 9206006
Separation Sieve: 200 MESH
Moisture Content: 73.68%
Loss on Ignition: 30.94%
Composite Correction: 4
Specific Gravity: 2.65
Hydrometer Type: 152 H
Sample Weight: 23.67 gms

Elapsed Time	Temp °C	Actual Reading	Reading Corrected	K	RM	Eff. Depth	Diameter MM	% Finer	GRAIN SIZE MESH Size	% Retained
2	20	23	19	.01365	23	12.5	.0341	80.27	4	0.00
5	20	14	10	.01365	14	14.0	.0228	42.24	10	0.00
15	20	12	8	.01365	12	14.3	.0133	33.80	30	0.00
30	20	10	6	.01365	10	14.7	.0095	25.35	50	8.55
60	20	10	6	.01365	10	14.7	.0067	25.35	100	8.88
250	20	6	2	.01365	6	15.3	.0033	8.45	200	5.92
1440	20	5	1	.01365	5	15.5	.0014	4.22	Pass 200	76.64

"Hydrometer tests performed on <200 MESH soil only as per John Johnston"

Rudolph Hagen

Rudolph Hagen, Manager
Precious/Base Metal Services

RH:kb

NLI 002 1625

A Subsidiary of AMAX

4

Foot of Pershing Avenue, P.O. Box 389
Carteret, New Jersey 07008-0389
Telephone: (908) 541-2025

September 25, 1992

AMAX

Certificate of Analysis

Client: Roy F. Weston, Inc.

Case #747

Sample #: 9206007
Separation Sieve: 200 MESH
Moisture Content: 39.34%
Loss on Ignition: 41.03%
Composite Correction: 4
Specific Gravity: 2.65
Hydrometer Type: 152 H
Sample Weight: 54.77 gms

Elapsed Time	Temp °C	Actual Reading	Reading Corrected	K	RM	Eff. Depth	Diameter MM	% Finer	GRAIN SIZE MESH Size	% Retained
2	20	51	47	.01365	51	7.9	.0271	85.81	4	4.43
5	20	27	23	.01365	27	11.9	.0210	41.99	10	0.00
15	20	21	17	.01365	21	12.9	.0126	38.34	30	1.39
30	20	16	12	.01365	16	13.7	.0092	29.21	50	7.69
60	20	14	10	.01365	14	14.0	.0066	25.56	100	19.46
250	20	9	5	.01365	9	14.8	.0033	16.43	200	18.14
1440	20	6	2	.01365	5	16.3	.0014	10.95	Pass 200	48.89

"Hydrometer tests performed on <200 MESH soil only as per John Johnston"

Rudolph Hagan

Rudolph Hagan, Manager
Precious/Base Metal Services

RH:kb

A Subsidiary of AMAX

NLI 002 1626

Foot of Pershing Avenue, P.O. Box 369
Carteret, New Jersey 07008-0369
Telephone: (908) 541-2025

September 25, 1992

AMAX

Certificate of Analysis

Client: Roy F. Weston, Inc.

Case #747

Sample #: 9206008
Separation Sieve: 200 MESH
Moisture Content: 29.04%
Loss on Ignition: 3.78%
Composite Correction: 4
Specific Gravity: 2.65
Hydrometer Type: 152 H
Sample Weight: 17.69 gms

Elapsed Time	Temp °C	Actual Reading	Reading Corrected	K	RM	Eff. Depth	Diameter MM	% Finer	GRAIN SIZE MESH Size	% Retained
2	20	18	14	.01365	18	13.3	.0352	79.14	4	0.01
5	20	9	5	.01365	9	14.8	.0235	28.26	10	1.92
15	20	8	4	.01365	8	15.0	.0136	22.61	30	20.49
30	20	7	3	.01365	7	15.2	.0097	16.96	50	48.32
60	20	6	2	.01365	6	15.3	.0069	11.30	100	20.86
250	20	5	1	.01365	5	15.5	.0034	5.65	200	3.60
1440	20	4	0	.01365	4	15.6	.0014	0.00	Pass 200	4.67

"Hydrometer tests performed on <200 MESH soil only as per John Johnston"

Rudolph Hagen, Manager
Precious/Base Metal Services

RH:kb

NLI 002 1627

A Subsidiary of AMAX

Foot of Pershing Avenue, P.O. Box 368
Carteret, New Jersey 07008-0368
Telephone: (908) 541-2025

September 25, 1992

AMAX

Certificate of Analysis

Client: Roy F. Weston, Inc.

Case #747

Sample #: 9206011
Separation Sieve: 200 MESH
Moisture Content: 81.09%
Loss on Ignition: 46.05%
Composite Correction: 4
Specific Gravity: 2.65
Hydrometer Type: 152 H
Sample Weight: 24.79 gms

Elapsed Time	Temp °C	Actual Reading	Reading Corrected	K	RM	Eff. Depth	Diameter MM	% Finer	GRAIN SIZE MESH Size	% Retained
2	20	23	19	.01365	23	12.5	.0341	76.64	4	0.00
5	20	13	9	.01365	13	14.2	.0230	36.30	10	0.00
15	20	10	6	.01365	10	14.7	.0135	24.20	30	2.82
30	20	8	4	.01365	8	15.0	.0096	16.14	50	16.02
60	20	7	3	.01365	7	15.2	.0069	12.10	100	16.02
250	20	6	2	.01365	6	15.3	.0034	8.07	200	21.48
1440	20	4	0	.01365	4	15.6	.0014	0.00	Pass 200	43.66

"Hydromater tests performed on <200 MESH soil only as per John Johnston"

Rudolph Hagen

Rudolph Hagen, Manager
Precious/Base Metal Services

RH:kb

A Subsidiary of AMAX

NLI 002 1628

Foot of Pershing Avenue P.O. Box 389
Carteret, New Jersey 07008-0389
Telephone: (908) 541-2025

September 25, 1992

AMAX

Certificate of Analysis

Client: Roy F. Weston, Inc.

Case #747

Sample #: 9206012
Separation Sieve: 200 MESH
Moisture Content: 59.92%
Loss on Ignition: 59.21%
Composite Correction: 4
Specific Gravity: 2.65
Hydrometer Type: 152 H
Sample Weight: 35.49 gms

Elapsed Time	Temp °C	Actual Reading	Reading Corrected	K	RM	Eff. Depth	Diameter MM	% Finer	GRAIN SIZE MESH Size	% Retained
2	20	32	28	.01365	32	11.1	.0322	78.89	4	0.17
5	20	14	10	.01365	14	14.0	.0228	28.18	10	0.17
15	20	10	6	.01365	10	14.7	.0135	16.90	30	9.13
30	20	8	4	.01365	8	15.0	.0096	11.27	50	31.13
60	20	7	3	.01365	7	15.2	.0068	8.45	100	24.74
250	20	6	2	.01365	6	15.3	.0034	5.63	200	19.71
1440	20	4	0	.01365	4	15.6	.0014	0.00	Pass 200	14.94

"Hydrometer tests performed on <200 MESH soil only as per John Johnston"

Rudolph Hagen

Rudolph Hagen, Manager
Precious/Base Metal Services

RH:kb

A Subsidiary of AMAX

NLI 002 1629

$(1-\frac{312.6}{344.4})(100) = 7.96\%$

ALI# 9204377

DENSITY "~~AS IS~~" DRY grams/cc 1.50 g/cc

MOISTURE

BEFORE DRY		AFTER DRY	
G	765.2	G	687.4
T	281.6	T	281.6
N	483.6	N	405.8

$(1-\frac{405.8}{483.6})(100) = 16.09\%$ ✓

CALCULATION $(1-\frac{\text{AFTER DRY WT}}{\text{BEFORE DRY WT}}) \times 100 = \%$ MOISTURE

GRAIN SIZE $\frac{\text{AMOUNT IN GRAMS RETAINED (grams)}}{\text{TOTAL AMOUNT (grams)}} \times 100 = \%$ RETAINED

n=1

MESH	4	-0	0%
	10	8.0	2.59%
	30	35.3	11.44%
	50	123.3	39.94%
	100	78.2	25.33%
	200	32.9	10.98%
PASS	200	30.0	9.72%

P-DONE ON DRY PORTION

$D = \sqrt{[30 \times 1 / 980 (1.5 - 1)] \times 14.4/2}$

G1

$= 0.663$

HYDROMETER READING	Table 2 L	TIME (MIN)	DIAMETER (mm)	% SOIL IN SUSPENSION
1.007	14.4	2	0.663	
1.004	15.2	5		
1.003	15.5	15		
1.003	15.5	30		
1.003		60		
1.003		250		
1.003		1440		

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TION

$P = (Ra/W) \times 100$

% of soil remaining in suspension

Ra hydrometer reading

W oven-dry mass of soil

NLI 002 1630

$(1 - \frac{573.1}{548.2})(100) = 4.20\%$

ALI# 9704378

DENSITY "~~AS IS~~" grams/cc 1.71 g/cc
DRY

MOISTURE

BEFORE DRY		AFTER DRY	
G	1228.1	G	1145.6
T	487.5	T	487.5
N	740.8	N	658.1

$(1 - \frac{658.1}{740.8})(100) = 11.16\%$

CALCULATION (1- AFTER DRY WT / BEFORE DRY WT) x 100 = % MOISTURE

GRAIN SIZE AMOUNT IN GRAMS RETAINED (grams) / TOTAL AMOUNT (grams) x 100 = % RETAINED

MESH			
	4	0	0%
	10	0.7	0.13%
	30	52.5	9.78%
	50	200.5	37.34%
	100	167.1	31.12%
	200	62.0	11.55%
PASS	200	57.1	10.68%

$D = \sqrt{(30\eta/g\rho(G-G_1))} \times L/T$

$\eta = 1$ $G_1 = 1$

HYDROMETER READING	L	TIME (MIN)	DIAMETER (mm)	% SOIL IN SUSPENSION
1.007	14.4	2	0.557	
1.004	15.2	5		
1.003	15.5	15		
1.003	15.5	30		
1.003	15.5	60		
1.003	15.5	250		
		1440		

NLI 002 1631

/

$\left(1 - \frac{121.5}{153.3}\right)(100) = 20.74\%$

ALI# 9204379

DENSITY "AS IS" grams/cc 1.62

MOISTURE

BEFORE DRY		AFTER DRY	
G	734.7	G	680.6
T	466.1	T	466.1
N	268.6	N	214.5

$\left(1 - \frac{214.5}{268.6}\right)(100) = 20.14\%$

CALCULATION $\left(1 - \frac{\text{AFTER DRY WT}}{\text{BEFORE DRY WT}}\right) \times 100 = \%$ MOISTURE

GRAIN SIZE $\frac{\text{AMOUNT IN GRAMS RETAINED (grams)}}{\text{TOTAL AMOUNT (grams)}} \times 100 = \%$ RETAINED

MESH		%
4	0	0
10	4.6	4.14
30	15.7	14.13
50	32.9	30.51
100	27.4	24.66
200	16.3	14.67
PASS 200	13.2	11.88

HYDROMETER READING		TIME (MIN)	DIAMETER (mm)	% SOIL IN SUSPENSION
1.007	14.4	2	0.596	
1.004	15.2	5		
1.004	15.2	15		
1.004		30		
1.003		60		
1.003		250		
1.003		1440		

NLI 002 1632

$\left(1 - \frac{580.5}{616.4}\right)(100) = 5.82\%$

ALI# 9204380

DENSITY "~~AS IS~~ DRY" grams/cc 1.50

MOISTURE

BEFORE DRY		AFTER DRY	
G	1076.7	G	987.1
T	308.5	T	308.5
N	768.2	N	678.6

$\left(1 - \frac{678.6}{768.2}\right)(100) = 11.66\%$

CALCULATION (1- AFTER DRY WT / BEFORE DRY WT) x 100 = % MOISTURE

GRAIN SIZE AMOUNT IN GRAMS RETAINED (grams) / TOTAL AMOUNT (grams) x 100 = % RETAINED

MESH			
	4	0	0%
	10	8.7	1.51%
	30	87.6	15.16%
	50	211.2	36.54%
	100	140.5	24.31
	200	77.9	13.48%
PASS	200	52.1	9.01

HYDROMETER READING		TIME (MIN)	DIAMETER (mm)	% SOIL IN SUSPENSION
1.010	13.4	2	0.64	
1.005	15	5		
1.004	15.2	15		
1.004	15.2	30		
1.004		60		
1.003		250		
1.003		1440		

NLI 002 1633

ALI# ~~9204831~~ 9204387 $\left(1 - \frac{162.3}{209.1}\right)(100) = 21.90\%$

DENSITY "AS IS" grams/cc 1.50

MOISTURE

BEFORE DRY		AFTER DRY	
G	630.0	G	574.5
T	308.0	T	308.0
N	342.0	N	266.5

$\left(1 - \frac{266.5}{342.0}\right)(100) = 22.08\%$

CALCULATION (1- AFTER DRY WT / BEFORE DRY WT) x 100 = % MOISTURE

GRAIN SIZE AMOUNT IN GRAMS RETAINED (grams) / TOTAL AMOUNT (grams) x 100 = % RETAINED

MESH			
4	-0	-0%	0%
10	5.6	~~0.44~~	3.36%
30	26.5	~~33.06~~	15.92
50	54.3	~~67.74~~	32.61
100	40.0		24.02%
200	26.7		16.04%
PASS 200	13.4		8.05%

HYDROMETER READING		TIME (MIN)	DIAMETER (mm)	% SOIL IN SUSPENSION
1.007	14.4	2	0.0639	
1.004	15.2	5		
1.003	15.5	15		
1.003		30		
1.003		60		
1.003		250		
1.003		1440		

NLI 002 1634

A 1932

ALI# 9204382

$\left(1 - \frac{193.2}{236.6}\right)(100) = 18.34\%$

DENSITY "AS IS" grams/cc 1.50

MOISTURE

BEFORE DRY		AFTER DRY	
G	666.3	G	5568
T	300.3	T	300.3
N	366.0	N	296.5

$\left(1 - \frac{296.5}{366.0}\right)(100) = 18.99\%$

CALCULATION (1- AFTER DRY WT / BEFORE DRY WT) x 100 = % MOISTURE

GRAIN SIZE AMOUNT IN GRAMS RETAINED (grams) / TOTAL AMOUNT (grams) x 100 = % RETAINED

MESH	4	.5	.25%
	10	5.5	2.78
	30	35.2	~~17.8~~ 17.78%
	50	70.5	35.61
	100	45.5	22.98
	200	24.7	12.47
PASS	200	16.1	8.13

HYDROMETER READING		TIME (MIN)	DIAMETER (mm)	% SOIL IN SUSPENSION
1.005	15.0	2	0.6776	
1.005	15.0	5		
1.004	15.2	15		
1.004		30		
1.003		60		
1.003		250		
1.003		1440		

NLI 002 1635

M 3020

ALI# 9204383

$(1 - \frac{302.0}{345.4})(100) = 12.5\%$

DENSITY "AS IS" grams/cc 1.50

MOISTURE

BEFORE DRY		AFTER DRY	
G	806.3	G	707.8
T	302.4	T	302.4
N	503.9	N	405.4

$(1 - \frac{405.4}{503.9})(100) = 19.5\%$

CALCULATION (1- AFTER DRY WT / BEFORE DRY WT) x 100 = % MOISTURE

GRAIN SIZE AMOUNT IN GRAMS RETAINED (grams) / TOTAL AMOUNT (grams) x 100 = % RETAINED

MESH			
	4	0.4	.13%
	10	6.4	2.11
	30	41.6	13.73
	50	118.0	38.96
	100	81.0	26.74
	200	36.1	11.92
PASS	200	19.4	6.40

HYDROMETER READING		TIME (MIN)	DIAMETER (mm)	% SOIL IN SUSPENSION
1.007	14.4	2	0.663	
1.004	15.2	5		
1.003	15.5	15		
1.003		30		
1.023		60		
1.003		250		
1.003		1440		

NLI 002 1636

M 431

ALI# 9204384 $\left(1-\frac{43.7}{97.1}\right)(100) = 54.99\%$

DENSITY ~~"AS IS"~~ DRY grams/cc 2.00

MOISTURE

BEFORE DRY		AFTER DRY	
G	710.0	G	530.7
T	436.3	T	436.3
N	273.8	N	94.4

$\left(1-\frac{94.4}{273.8}\right)(100) = 65.52\%$

CALCULATION (1- AFTER DRY WT / BEFORE DRY WT) x 100 = % MOISTURE

GRAIN SIZE AMOUNT IN GRAMS RETAINED (grams) / TOTAL AMOUNT (grams) x 100 = % RETAINED

MESH	4	2.3	2.35%
	10	34.5	35.24
	30	48.0	49.02
	50	9.6	9.80
	100	1.7	1.73%
	200	.9	.92
PASS	200	.9	.92

HYDROMETER READING		TIME (MIN)	DIAMETER (mm)	% SOIL IN SUSPENSION
1.008	14.2	2	0.466	
1.006	14.7	5		
1.005	15.0	15		
1.005		30		
1.004		60		
1.004		250		
1.004		1440		

NLI 002 1637

A 38.9

ALI# 9204385 $\left(1-\frac{38.9}{96.2}\right)(100) = 59.56\%$

DENSITY "~~AS IS~~ DRY" grams/cc 200

MOISTURE

BEFORE DRY		AFTER DRY	
G	655.5	G	548.0
T	454.2	T	454.2
N	201.3	N	93.8

$\left(1-\frac{93.8}{201.3}\right)(100) = 53.40\%$

CALCULATION (1- AFTER DRY WT / BEFORE DRY WT) x 100 = % MOISTURE

GRAIN SIZE AMOUNT IN GRAMS RETAINED (grams) / TOTAL AMOUNT (grams) x 100 = % RETAINED

MESH			
	4	0.5	.52%
	10	18.7	19.52
	30	44.3	46.24
	50	19.2	20.04
	100	7.7	8.04
	200	2.7	2.82
PASS	200	2.7	2.82

HYDROMETER READING		TIME (MIN)	DIAMETER (mm)	% SOIL IN SUSPENSION
1.010	13.7	2	0.065	
1.008	14.2	5		
1.006	14.7	15		
1.005	15.0	30		
1.005		60		
1.004		250		
1.004		1440		

NLI 002 1638

$\left(1 - \frac{85.5}{160.2}\right)(100) = 47.88\%$

ALI# 9204386

DENSITY "AS IS" grams/cc 2.00

MOISTURE

BEFORE DRY		AFTER DRY	
G	761.0	G	604.5
T	448.2	T	448.2
N	312.9	N	156.3

$\left(1 - \frac{156.3}{312.9}\right)(100) = 50.05\%$

CALCULATION (1- AFTER DRY WT / BEFORE DRY WT) x 100 = % MOISTURE

GRAIN SIZE AMOUNT IN GRAMS RETAINED (grams) / TOTAL AMOUNT (grams) x 100 = % RETAINED

MESH	4	1.9	2.91%
	10	23.5	35.99%
	30	18.5	28.33%
	50	11.8	18.07%
	100	6.7	10.26%
	200	2.0	3.06
PASS	200	.9	1.38%

HYDROMETER READING		TIME (MIN)	DIAMETER (mm)	% SOIL IN SUSPENSION
1.011	13.4	2	0.052	
1.006	14.7	5		
1.006	14.7	15		
1.004		30		
1.004		60		
1.003		250		
1.003		1440		

NLI 002 1639

ALI# 920438)

$(1 - \frac{123.4}{188.3})(100) = 34.47\%$

DENSITY "AS IS" grams/cc 2.00

MOISTURE

BEFORE DRY		AFTER DRY	
G	564.2	G	467.6
T	282.0	T	282.0
N	282.2	N	185.6

$(1 - \frac{185.6}{282.2})(100) = 34.23\%$ ✓

CALCULATION (1- AFTER DRY WT / BEFORE DRY WT) x 100 = % MOISTURE

GRAIN SIZE AMOUNT IN GRAMS RETAINED (grams) / TOTAL AMOUNT (grams) x 100 = % RETAINED

MESH	4	.7	.12%
	10	10.3	5.57% ✓
	30	32.0	17.42%
	50	53.4	24.75% ✓
	100	43.0	23.16
	200	29.5	15.89
PASS	200	11.8	6.35 ✓

HYDROMETER READING		TIME (MIN)	DIAMETER (mm)	% SOIL IN SUSPENSION
1.007	14.4	2	0.066	
1.005	15.0	5		
1.004	15.2	15		
1.004		30		
1.004		60		
1.003		250		
1.003		1440		

NLI 002 1640

ALI# 9204388 $\left(1-\frac{132.6}{191.3}\right)(100) = 30.86\%$

DENSITY "AS IS" grams/cc 2.0

MOISTURE

BEFORE DRY		AFTER DRY	
G	759.1	G	676.0
T	487.5	T	487.5
N	271.6	N	188.5

$\left(1-\frac{188.5}{271.6}\right)(100) = 30.60\%$

CALCULATION $(1-\frac{\text{AFTER DRY WT}}{\text{BEFORE DRY WT}}) \times 100 = \%$ MOISTURE

GRAIN SIZE $\frac{\text{AMOUNT IN GRAMS RETAINED (grams)}}{\text{TOTAL AMOUNT (grams)}} \times 100 = \%$ RETAINED

MESH			
	4	.4	.216
	10	3.6	1.91
	30	50.2	26.53
	50	62.1	32.82
	100	43.7	23.09
	200	19.2	10.15
PASS	200	10.0	~~5.285~~ 5.285

HYDROMETER READING		TIME (MIN)	DIAMETER (mm)	% SOIL IN SUSPENSION
1.006	147	2	0.074	
1.005	150	5		
1.005	150	15		
1.005		30		
1.004		60		
1.003		250		
1.003		1440		

NLI 002 1641

ALI# 9204389 $\left(1 - \frac{180.3}{261.5}\right)(100) = 31.05\%$

DENSITY "AS IS" grams/cc 2.00

MOISTURE

BEFORE DRY		AFTER DRY	
G	824.3	G	723.4
T	466.0	T	466.0
N	358.3	N	257.4

$\left(1 - \frac{257.4}{358.3}\right)(100) = 28.16\%$ ✓

CALCULATION $(1 - \frac{\text{AFTER DRY WT}}{\text{BEFORE DRY WT}}) \times 100 = \%$ MOISTURE

GRAIN SIZE $\frac{\text{AMOUNT IN GRAMS RETAINED (grams)}}{\text{TOTAL AMOUNT (grams)}} \times 100 = \%$ RETAINED

MESH	4	.8	.31%
	10	4.0	1.55
	30	66.3	25.67
	50	80.8	31.28
	100	58.5	22.65
	200	30.0	11.61
PASS	200	12.9	6.93

HYDROMETER READING		TIME (MIN)	DIAMETER (mm)	% SOIL IN SUSPENSION
1.006	14.7	2	0.476	
1.005	15.0	5		
1.005	15.0	15		
1.004		30		
1.004		60		
1.003		250		
1.003		1440		

NLI 002 1642

17 141

ALI# 920 4390

DENSITY "AS IS" grams/cc 2.00 $\left(1 - \frac{13.7}{56.9}\right)(100) = 75.92\%$

MOISTURE

BEFORE DRY		AFTER DRY	
G	451.5	G	363.1
T	308.5	T	308.5
N	143.0	N	54.6

$\left(1 - \frac{54.6}{143.0}\right)(100) = 61.82\%$ ✓

CALCULATION (1- AFTER DRY WT / BEFORE DRY WT) x 100 = % MOISTURE

GRAIN SIZE AMOUNT IN GRAMS RETAINED (grams) / TOTAL AMOUNT (grams) x 100 = % RETAINED

MESH			
	4	.5	.84%
	10	2.8	4.69%
	30	19.2	34.22
	50	15.0	26.77
	100	8.0	14.26
	200	5.3	9.45
PASS	200	5.3	9.45

HYDROMETER READING		TIME (MIN)	DIAMETER (mm)	% SOIL IN SUSPENSION
1.005	15.0	2	0.079	
1.004	15.2	5		
1.004	15.2	15		
1.003		30		
1.003		60		
1.003		250		
		1440		

NLI 002 1643

ALI# 9404391 $\left(1 - \frac{130}{548}\right)(100) = 78.26\%$

DENSITY "AS IS" grams/cc 2.00

MOISTURE

BEFORE DRY		AFTER DRY	
G	470.5	G	366.3
T	308.0	T	308.0
N	162.5	N	58.3

$\left(1 - \frac{58.3}{162.5}\right)(100) = 64.12\%$ ✓

CALCULATION $(1 - \frac{\text{AFTER DRY WT}}{\text{BEFORE DRY WT}}) \times 100 = \%$ MOISTURE

GRAIN SIZE $\frac{\text{AMOUNT IN GRAMS RETAINED (grams)}}{\text{TOTAL AMOUNT (grams)}} \times 100 = \%$ RETAINED

MESH	4	.3	.30%
	10	1.4	2.34
	30	20.8	34.84
	50	16.6	27.80
	100	9.4	15.75
	200	5.8	9.71
PASS	200	5.4	9.04

HYDROMETER READING	L	TIME (MIN)	DIAMETER (mm)	% SOIL IN SUSPENSION
1.006	14.7	2	0.074	
1.005	~~14.4~~ 15.0	5		
1.004	15.2	15		
1.003		30		
1.003		60		
1.003		250		
1.003		1440		

NLI 002 1644

A 274.0

ALI# 9204392 $\left(1-\frac{274.0}{313.6}\right)(100) = 12.87\%$

DENSITY "AS IS" grams/cc 2.00

MOISTURE

BEFORE DRY		AFTER DRY	
G	828.6	G	636.1
T	300.4	T	300.4
N	528.2	N	335.7

$\left(1-\frac{335.7}{528.2}\right)(100) = 36.44\%$ ✓

CALCULATION $(1-\frac{\text{AFTER DRY WT}}{\text{BEFORE DRY WT}}) \times 100 = \%$ MOISTURE

GRAIN SIZE $\frac{\text{AMOUNT IN GRAMS RETAINED (grams)}}{\text{TOTAL AMOUNT (grams)}} \times 100 = \%$ RETAINED

	g	%
MESH 4	65.0	20.62 ✓
10	93.7	22.91
30	58.8	12.81 ✓
50	39.6	11.80
100	20.0	5.96
200		
PASS 200	54.6	16.26 —

HYDROMETER READING		TIME (MIN)	DIAMETER (mm)	% SOIL IN SUSPENSION
1.008	14.2	2	0.066	
1.007	14.4	5		
1.006	14.7	15		
1.004	15.2	30		
1.004		60		
1.003		250		
1.003		1440		

NLI 002 1645

$(1 - \frac{43.1}{84.1})(100) = 48.75\%$ M 43.1

ALI# 9204393

DENSITY "AS IS" grams/cc 2.20

MOISTURE

BEFORE DRY		AFTER DRY	
G	702.3	G	518.3
T	436.2	T	436.2
N	266.1	N	82.1

$(1 - \frac{82.1}{266.1})(100) = 69.15\%$

CALCULATION $(1 - \frac{\text{AFTER DRY WT}}{\text{BEFORE DRY WT}}) \times 100 = \%$ MOISTURE

GRAIN SIZE $\frac{\text{AMOUNT IN GRAMS RETAINED (grams)}}{\text{TOTAL AMOUNT (grams)}} \times 100 = \%$ RETAINED

MESH	4	7.3	8.72
	10	32.1	38.30
	30	30.4	36.28
	50	3.4	0.44
	100	1.8	2.14
	200	2.0	2.38
PASS	200	4.8	5.73

HYDROMETER READING		TIME (MIN)	DIAMETER (mm)	% SOIL IN SUSPENSION
1.006	14.7	2	0.074	
1.006	14.7	5		
1.005	15.0	15		
1.004	15.2	30		
1.004	15.2	60		
1.003	15.5	250		
1.003		1440		

NLI 002 1646

$(1-\frac{58.2}{112.1})(100) = 48.54\%$ A 58.2

ALI# 904394

DENSITY "AS IS" grams/cc 2.00

MOISTURE

BEFORE DRY		AFTER DRY	
G	621.7	G	418.2
T	302.3	T	302.3
N	319.4	N	115.9

$(1-\frac{115.9}{319.4})(100) = 63.71\%$

CALCULATION (1- AFTER DRY WT / BEFORE DRY WT) x 100 = % MOISTURE

GRAIN SIZE AMOUNT IN GRAMS RETAINED (grams) / TOTAL AMOUNT (grams) x 100 = % RETAINED

MESH 4	0	0%
10	20.0	12.36
30	55.8	34.49
50	16.9	14.67
100	4.6	3.99
200	3.9	3.39
PASS 200	10.0	8.68

HYDROMETER READING		TIME (MIN)	DIAMETER (mm)	% SOIL IN SUSPENSION
1.008	14.2	2	0.066	
1.007	14.4	5		
1.006	14.7	15		
1.004	15.2	30		
1.003	15.5	60		
1.003		250		
1.003		1440		

NLI 002 1647

ALI# 9204395

A 102.7

$\left(1 - \frac{102.7}{155.7}\right)(100) = 34.03\%$

DENSITY "AS IS" grams/cc 2.00

MOISTURE

BEFORE DRY		AFTER DRY	
G	821.1	G	607.1
T	454.1	T	454.1
N	367.0	N	153.0

$\left(1 - \frac{153.0}{367.0}\right)(100) = 58.31\%$

CALCULATION (1- AFTER DRY WT / BEFORE DRY WT) x 100 = % MOISTURE

GRAIN SIZE AMOUNT IN GRAMS RETAINED (grams) / TOTAL AMOUNT (grams) x 100 = % RETAINED

MESH			
	4	5.0	3.04%
	10	53.0	32.25
	30	58.7	35.72
	50	16.0	9.74
	100	6.5	3.96
	200	7.0	4.26
PASS	200	18.1	11.01

HYDROMETER READING		TIME (MIN)	DIAMETER (mm)	% SOIL IN SUSPENSION
1.008	14.2	2	0.066	
1.006	14.7	5		
1.005	15.0	15		
1.004	15.2	30		
1.003	15.5	60		
1.003	15.5	250		
1.003		1440		

NLI 002 1648

A 60.7

ALI# 920396 $\left(1-\frac{60.7}{131.0}\right)(100) = 53.66\%$

DENSITY "AS IS" grams/cc 2.00

MOISTURE

BEFORE DRY		AFTER DRY	
G	822.7	G	575.3
T	4148.1	T	4148.1
N	3746	N	1222

CALCULATION $\left(1-\frac{\text{AFTER DRY WT}}{\text{BEFORE DRY WT}}\right) \times 100 = \%$ MOISTURE 66.04%

GRAIN SIZE $\frac{\text{AMOUNT IN GRAMS RETAINED (grams)}}{\text{TOTAL AMOUNT (grams)}} \times 100 = \%$ RETAINED

MESH	4	7.0	5.83
	10	35.5	29.58
	30	53.1	44.25
	50	9.1	7.58
	100	2.0	1.66
	200	3.4	2.83
PASS	200	10.0	8.33

HYDROMETER READING		TIME (MIN)	DIAMETER (mm)	% SOIL IN SUSPENSION
1.010	13.7	2	0.458	
1.008	14.2	5		
1.007	14.4	15		
1.005	15.0	30		
1.004	15.2	60		
1.003		120		
1.003		1440		

NLI 002 1649

Appendix G

NLI 002 1650

APPENDIX G
Statistical Output
National Lead Site

/bovitz/fr-4643

NLT 002 1651

Comparison of East vs. West for Lead in Frogs
National Lead

N P A R 1 W A Y P R O C E D U R E

Wilcoxon Scores (Rank Sums) for Variable PB
Classified by Variable AREA

AREA	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
east	4	23.5000000	28.0	6.47183246	5.87500000
west	9	67.5000000	63.0	6.47183246	7.50000000

Average Scores were used for Ties

Wilcoxon 2-Sample Test (Normal Approximation)
(with Continuity Correction of .5)

S= 23.5000 Z= -.618063 Prob > |Z| = 0.5365

T-Test approx. Significance = 0.5481

Kruskal-Wallis Test (Chi-Square Approximation)
CHISQ= 0.48347 DF= 1 Prob > CHISQ= 0.4869

NLI 002 1652

Descriptive Statistics of Lead in Frogs
National Lead

---------- AREA=east ----------

UNIVARIATE PROCEDURE

Variable=PB

Moments

N	4	Sum Wgts	4
Mean	5.975	Sum	23.9
Std Dev	4.687839	Variance	21.97583
Skewness	1.988521	Kurtosis	3.961236
USS	208.73	CSS	65.9275
CV	78.45755	Std Mean	2.343919
T:Mean=0	2.549149	Prob>|T|	0.0840
Sgn Rank	5	Prob>|S|	0.1250
Num ^= 0	4		
W:Normal	0.670256	Prob<W	0.0048

Quantiles(Def=5)

100% Max	13	99%	13
75% Q3	8.45	95%	13
50% Med	3.75	90%	13
25% Q1	3.5	10%	3.4
0% Min	3.4	5%	3.4
		1%	3.4
Range	9.6		
Q3-Q1	4.95		
Mode	3.4		

Extremes

Lowest	Obs	Highest	Obs
3.4(	3)	.(	)
3.6(	4)	3.4(	3)
3.9(	2)	3.6(	4)
13(	1)	3.9(	2)
.(	)	13(	1)

```
Stem Leaf                    #          Boxplot                    Normal Probability Plot
  12 0                       1             |                 13+                          *  +++++
  10                                       |                   |                         ++++
   8                                    +-----+                |                      ++++
   6                                    |  +  |                |                  ++++
   4                                    |     |                |               +++++
   2 469                     3          *-----*               3+          * ++++ *     *
     ----+----+----+----+                                      +----+----+----+----+----+----+----+----+----+----+
                                                                  -2        -1         0        +1        +2
```

NLI 002 1653

Descriptive Statistics of Lead in Frogs
National Lead

---------- AREA=west ----------

UNIVARIATE PROCEDURE

Variable=PB

Moments

N	9	Sum Wgts	9
Mean	9.2	Sum	82.8
Std Dev	7.176873	Variance	51.5075
Skewness	0.916659	Kurtosis	0.178251
USS	1173.82	CSS	412.06
CV	78.00948	Std Mean	2.392291
T:Mean=0	3.845686	Prob>|T|	0.0049
Sgn Rank	22.5	Prob>|S|	0.0039
Num ^= 0	9		
W:Normal	0.92277	Prob<W	0.4097

Quantiles(Def=5)

100% Max	23	99%	23
75% Q3	12	95%	23
50% Med	8.6	90%	23
25% Q1	3.9	10%	1.4
0% Min	1.4	5%	1.4
		1%	1.4
Range	21.6		
Q3-Q1	8.1		
Mode	1.4		

Extremes

Lowest	Obs	Highest	Obs
1.4(	8)	8.6(	7)
2.3(	2)	9.4(	5)
3.9(	9)	12(	6)
5.2(	4)	17(	1)
8.6(	7)	23(	3)

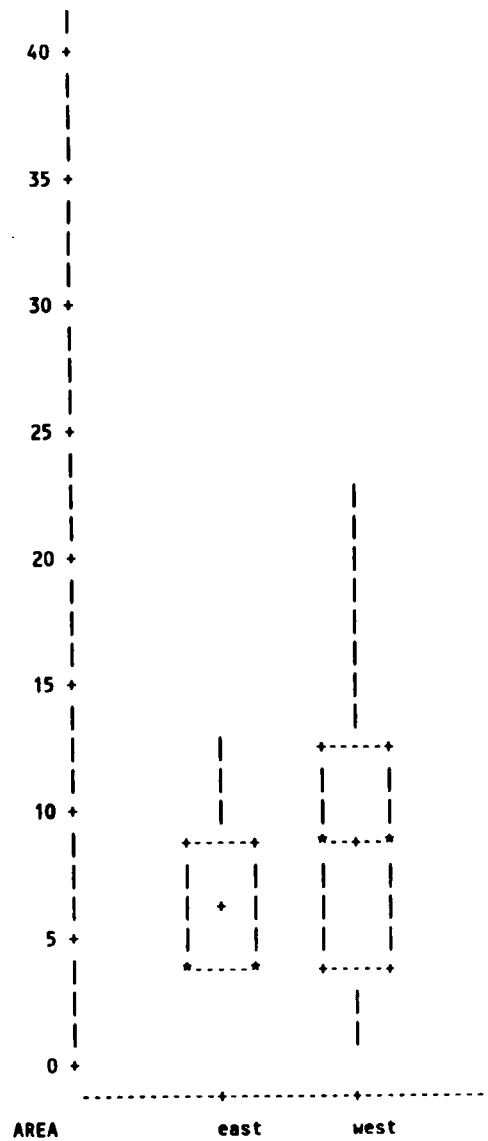
```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   2 3                       1             |                  22.5+                                  *+++++++
   1 7                       1             |                      |                              *++++++
   1 2                       1          +-----+             12.5+                        ++++*++
   0 599                     3          *--+--*                  |                  ++*++*+ *
   0 124                     3          +-----+              2.5+          *  +++*++*
     ----+----+----+----+                                       +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**+1                                        -2        -1         0        +1        +2
```

NLI 002 1654

Descriptive Statistics of Lead in Frogs
National Lead

UNIVARIATE PROCEDURE
Schematic Plots

Variable=PB



NL 002 1654A

Pairwise Comparison of Initial and Final Eisenia Weight
National Lead

UNIVARIATE PROCEDURE

Variable=WGHTDIFF Initial - Final Eisenia Weight (mg/kg)

Moments

N	17	Sum Wgts	17
Mean	0.23	Sum	3.91
Std Dev	0.080269	Variance	0.006443
Skewness	0.744876	Kurtosis	0.652454
USS	1.00239	CSS	0.10309
CV	34.8996	Std Mean	0.019468
T:Mean=0	11.81419	Prob>|T|	0.0001
Sgn Rank	76.5	Prob>|S|	0.0001
Num ^= 0	17		
W:Normal	0.955049	Prob<W	0.5313

Quantiles(Def=5)

100% Max	0.418	99%	0.418
75% Q3	0.264	95%	0.418
50% Med	0.224	90%	0.358
25% Q1	0.175	10%	0.12
0% Min	0.109	5%	0.109
		1%	0.109
Range	0.309		
Q3-Q1	0.089		
Mode	0.109		

Extremes

Lowest	Obs	Highest	Obs
0.109(	7)	0.264(	14)
0.12(	13)	0.289(	17)
0.16(	10)	0.299(	20)
0.171(	5)	0.358(	9)
0.175(	2)	0.418(	18)

Missing Value	.
Count	3
% Count/Nobs	15.00

NLI 002 1655

Data Set for Regression Analyses
National Lead

OBS	Chamber Number	Soil Pb Concentration (mg/kg)	Initial Eisenia Weight (g)	Final Eisenia Weight (g)	Initial - Final Eisenia Weight (mg/kg)	Eisenia Wet Pb (mg/kg)	Eisenia % Moisture	Eisenia Standardized Pb (mg/kg)	TOC Soil (g/kg)
1	1	290	0.562	0.363	0.199	58	84	3.62500	26
2	2	190	0.496	0.321	0.175	48	84	3.00000	13
3	3	810	0.599	0.375	0.224	130	85	8.66667	64
4	4	180	0.545	0.355	0.190	29	86	2.07143	17
5	5	1100	0.538	0.367	0.171	52	84	3.25000	68
6	6	720	0.563	0.342	0.221	34	84	2.12500	55
7	7	450	0.458	0.349	0.109	130	85	8.66667	31
8	8	1800	0.515	0.290	0.225	71	82	3.94444	180
9	9	3500	0.670	0.312	0.358	100	81	5.26316	140
10	10	830	0.460	0.300	0.160	76	85	5.06667	120
11	11	1300	0.471	.	.	.	.	.	99
12	12	1600	0.489	.	.	.	.	.	90
13	13	1500	0.440	0.320	0.120	46	85	3.06667	120
14	14	2200	0.592	0.328	0.264	170	81	8.94737	200
15	15	1800	0.584	0.359	0.225	63	85	4.20000	190
16	16	6700	0.552	0.289	0.263	62	82	3.44444	41
17	17	6800	0.557	0.268	0.289	67	84	4.18750	170
18	18	6900	0.573	0.155	0.418	140	84	8.75000	190
19	19	2600	0.475	.	.	.	.	.	130
20	20	120	0.520	0.221	0.299	.	.	.	210

Correlation of Eisenia Weight Change and Pb in Soil
National Lead

CORRELATION ANALYSIS

1 'WITH' Variables: WGHTDIFF
1 'VAR' Variables: SOILPB

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	Label
WGHTDIFF	17	0.230000	0.080269	3.910000	0.109000	0.418000	Initial - Final Eisenia Weight (mg/kg)
SOILPB	20	2069.500000	2216.639170	41390	120.000000	6900.000000	Soil Pb Concentration (mg/kg)

Pearson Correlation Coefficients / Prob > |R| under Ho: Rho=0 / Number of Observations

	SOILPB
WGHTDIFF	0.66552
Initial - Final Eisenia Weight (mg/kg)	0.0035
	17

NLI 002 1657

Regression Eisenia Weight Change and Pb in Soil
National Lead

Model: MODEL1
Dependent Variable: SOILPB Soil Pb Concentration (mg/kg)

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	40850903.313	40850903.313	11.926	0.0035
Error	15	51381873.158	3425458.2105		
C Total	16	92232776.471			

highly significant

Root MSE	1850.79934	R-square	0.4429
Dep Mean	2111.17647	Adj R-sq	0.4058
C.V.	87.66673		

lowry R square

Parameter Estimates

Regression wrm wt vs Pb soil

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|	Variable Label
INTERCEP	1	-2467.293798	1399.7322504	-1.763	0.0983	Intercept
WGHTDIFF	1	19906	5764.3596170	3.453	0.0035	Initial - Final Eisenia Weight (mg/kg)

NLI 002 1658

Regression Eisenia Weight Change and Pb in Soil
National Lead

Model: MODEL1
NOTE: No intercept in model. R-square is redefined.
Dependent Variable: SOILPB Soil Pb Concentration (mg/kg)

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	105977869.81	105977869.81	27.338	0.0001
Error	16	62025030.186	3876564.3866		
U Total	17	168002900.00			

Root MSE	1968.89928	R-square	0.6308
Dep Mean	2111.17647	Adj R-sq	0.6077
C.V.	93.26076		

Eisenia weight vs Pb
No intercept

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|	Variable Label
WGHTDIFF	1	10282	1966.5506574	5.229	0.0001	Initial - Final Eisenia Weight (mg/kg)

NLI 002 1659

Regression Eisenia Weight Change and Pb in Soil
National Lead

Obs	Dep Var SOILPB	Predict Value	Std Err Predict	Residual	Std Err Residual	Student Residual	-2-1-0 1 2	Cook's D
1	290.0	2046.2	391.344	-1756.2	1929.615	-0.910	| *| |	0.034
2	190.0	1799.4	344.146	-1609.4	1938.589	-0.830	| *| |	0.022
3	810.0	2303.2	440.507	-1493.2	1918.989	-0.778	| *| |	0.032
4	180.0	1953.6	373.645	-1773.6	1933.120	-0.917	| *| |	0.031
5	1100.0	1758.3	336.280	-658.3	1939.969	-0.339	| | |	0.003
6	720.0	2272.4	434.608	-1552.4	1920.333	-0.808	| *| |	0.033
7	450.0	1120.8	214.354	-670.8	1957.196	-0.343	| | |	0.001
8	1800.0	2313.5	442.474	-513.5	1918.536	-0.268	| | |	0.004
9	3500.0	3681.1	704.025	-181.1	1838.726	-0.098	| | |	0.001
10	830.0	1645.2	314.648	-815.2	1943.595	-0.419	| | |	0.005
11	1300.0	.	.	.	.	.		.
12	1600.0	.	.	.	.	.		.
13	1500.0	1233.9	235.986	266.1	1954.706	0.136	| | |	0.000
14	2200.0	2714.5	519.169	-514.5	1899.218	-0.271	| | |	0.005
15	1800.0	2313.5	442.474	-513.5	1918.536	-0.268	| | |	0.004
16	6700.0	2704.2	517.203	3995.8	1899.754	2.103	| |**** |	0.328
17	6800.0	2971.6	568.333	3828.4	1885.089	2.031	| |**** |	0.375
18	6900.0	4298.0	822.018	2602.0	1789.092	1.454	| |** |	0.447
19	2600.0	.	.	.	.	.		.
20	120.0	3074.4	587.999	-2954.4	1879.048	-1.572	| ***| |	0.242

Sum of Residuals	-4313.696665
Sum of Squared Residuals	62025030.186
Predicted Resid SS (Press)	73560633.350

NLI 002 1660

Regression Eisenia Weight Change and Pb in Soil
National Lead

Obs	Dep Var SOILPB	Predict Value	Std Err Predict	Residual	Std Err Residual	Student Residual	-2-1-0 1 2	Cook's D
1	290.0	1494.1	483.145	-1204.1	1786.625	-0.674	| *| |	0.017
2	190.0	1016.3	549.556	-826.3	1767.327	-0.468	| | |	0.011
3	810.0	1991.7	450.215	-1181.7	1795.206	-0.658	| *| |	0.014
4	180.0	1314.9	504.641	-1134.9	1780.673	-0.637	| *| |	0.016
5	1100.0	936.7	563.173	163.3	1763.036	0.093	| | |	0.000
6	720.0	1932.0	451.873	-1212.0	1794.789	-0.675	| *| |	0.014
7	450.0	-297.5	829.449	747.5	1654.531	0.452	| | |	0.026
8	1800.0	2011.6	449.809	-211.6	1795.308	-0.118	| | |	0.000
9	3500.0	4659.2	863.656	-1159.2	1636.935	-0.708	| *| |	0.070
10	830.0	717.7	603.584	112.3	1749.613	0.064	| | |	0.000
11	1300.0	.	.	.	.	.		.
12	1600.0	.	.	.	.	.		.
13	1500.0	-78.5267	776.888	1578.5	1679.852	0.940	| |* |	0.094
14	2200.0	2788.0	489.805	-588.0	1784.811	-0.329	| | |	0.004
15	1800.0	2011.6	449.809	-211.6	1795.308	-0.118	| | |	0.000
16	6700.0	2768.1	487.527	3931.9	1785.434	2.202	| |**** |	0.181
17	6800.0	3285.7	563.173	3514.3	1763.036	1.993	| |*** |	0.203
18	6900.0	5853.6	1172.989	1046.4	1431.627	0.731	| |* |	0.179
19	2600.0	.	.	.	.	.		.
20	120.0	3484.7	599.746	-3364.7	1750.932	-1.922	| ***| |	0.217

Sum of Residuals 1.364242E-11
Sum of Squared Residuals 51381873.158
Predicted Resid SS (Press) 64567902.174

NLI 002 1661

Correlation of Dry Weight in Eisenia and Pb in Soil
National Lead

CORRELATION ANALYSIS

1 'WITH' Variables: STWORMPB
1 'VAR' Variables: SOILPB

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	Label
STWORMPB	16	4.892188	2.460190	78.275010	2.071429	8.947368	Eisenia Standardized Pb (mg/kg)
SOILPB	20	2069.500000	2216.639170	41390	120.000000	6900.000000	Soil Pb Concentration (mg/kg)

Pearson Correlation Coefficients / Prob > |R| under Ho: Rho=0 / Number of Observations

	SOILPB
STWORMPB	0.18484
Eisenia Standardized Pb (mg/kg)	0.4931
	16

no correlation between Eisenia Pb and Soil Pb

NLI 002 1662

Correlation of Pb in Soil and TOC in Soil
National Lead

CORRELATION ANALYSIS

1 'WITH' Variables: TOCSOIL
1 'VAR' Variables: SOILPB

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	Label
TOCSOIL	20	107.700000	66.623925	2154.000000	13.000000	210.000000	TOC Soil g/kg
SOILPB	20	2069.500000	2216.639170	41390	120.000000	6900.000000	Soil Pb Concentration (mg/kg)

Pearson Correlation Coefficients / Prob > |R| under Ho: Rho=0 / N = 20

	SOILPB
TOCSOIL	0.35238
TOC Soil g/kg	0.1[illegible]

soil lead was not correlated with toc

NLI 002 1663

Stepwise Regression Analysis for Maximum R
National Lead

Maximum R-square Improvement for Dependent Variable LOGWORM

Step 1 Variable ORGANIC Entered R-square = 0.22683073 C(p) = -1.54087900

	DF	Sum of Squares	Mean Square	F	Prob>F
Regression	1	0.16837729	0.16837729	4.11	0.0622
Error	14	0.57392639	0.04099474		
Total	15	0.74230368			

Variable	Parameter Estimate	Standard Error	Type II Sum of Squares	F	Prob>F
INTERCEP	1.69904381	0.08933543	14.82824694	361.71	0.0001
ORGANIC	0.00430593	0.00212466	0.16837729	4.11	0.0622

Bounds on condition number: 1, 1

The above model is the best 1-variable model found.

Step 2 Variable LOGSOIL Entered R-square = 0.25112776 C(p) = 0.13044062

	DF	Sum of Squares	Mean Square	F	Prob>F
Regression	2	0.18641306	0.09320653	2.18	0.1526
Error	13	0.55589062	0.04276082		
Total	15	0.74230368			

Variable	Parameter Estimate	Standard Error	Type II Sum of Squares	F	Prob>F
INTERCEP	1.47324082	0.35945672	0.71829074	16.80	0.0013
ORGANIC	0.00316864	0.00278841	0.05521754	1.29	0.2763
LOGSOIL	0.08581591	0.13213668	0.01803577	0.42	0.5274

Bounds on condition number: 1.651268, 6.605071

The above model is the best 2-variable model found.

NLI 002 1664

Stepwise Regression Analysis for Maximum R
National Lead

Step 3 Variable SILTCLAY Entered R-square = 0.25941462 C(p) = 2.01833934

	DF	Sum of Squares	Mean Square	F	Prob>F
Regression	3	0.19256443	0.06418814	1.40	0.2903
Error	12	0.54973925	0.04581160		
Total	15	0.74230368			

Variable	Parameter Estimate	Standard Error	Type II Sum of Squares	F	Prob>F
INTERCEP	1.45782832	0.37442850	0.69446519	15.16	0.0021
ORGANIC	0.00377495	0.00332682	0.05898461	1.29	0.2787
SILTCLAY	0.00604042	0.01648426	0.00615137	0.13	0.7204
LOGSOIL	0.06879921	0.14443796	0.01039393	0.23	0.6424

Bounds on condition number: 2.193984, 16.09494

The above model is the best 3-variable model found.

Step 4 Variable PH Entered R-square = 0.26076526 C(p) = 4.00006842

	DF	Sum of Squares	Mean Square	F	Prob>F
Regression	4	0.19356701	0.04839175	0.97	0.4620
Error	11	0.54873667	0.04988515		
Total	15	0.74230368			

Variable	Parameter Estimate	Standard Error	Type II Sum of Squares	F	Prob>F
INTERCEP	1.10193792	2.54061429	0.00938443	0.19	0.6729
ORGANIC	0.00370316	0.00350832	0.05558002	1.11	0.3138
SILTCLAY	0.00510870	0.01841432	0.00383955	0.08	0.7866
PH	0.04762540	0.33594145	0.00100259	0.02	0.8898
LOGSOIL	0.08087166	0.17311588	0.01088655	0.22	0.6495

Bounds on condition number: 2.429513, 31.01276

NLI 002 1665

Stepwise Regression Analysis for Maximum R
National Lead

The above model is the best 4-variable model found.

Step 5 Variable MOISTURE Entered R-square = 0.26077032 C(p) = 6.00000000

	DF	Sum of Squares	Mean Square	F	Prob>F
Regression	5	0.19357077	0.03871415	0.71	0.6325
Error	10	0.54873291	0.05487329		
Total	15	0.74230368			

Variable	Parameter Estimate	Standard Error	Type II Sum of Squares	F	Prob>F
INTERCEP	1.11054027	2.86036963	0.00827152	0.15	0.7060
ORGANIC	0.00365941	0.00644322	0.01770017	0.32	0.5826
SILTCLAY	0.00519773	0.02211006	0.00303256	0.06	0.8189
PH	0.04676766	0.36727993	0.00088973	0.02	0.9012
MOISTURE	0.00008396	0.01014994	0.00000375	0.00	0.9936
LOGSOIL	0.07922940	0.26904457	0.00475867	0.09	0.7744

Bounds on condition number: 13.63771, 147.6713

The above model is the best 5-variable model found.

No further improvement in R-square is possible.

NLI 002 1666

Test of Normality
National Lead

UNIVARIATE PROCEDURE

Variable=AAPBSOIL

Moments

N	20	Sum Wgts	20
Mean	2069.5	Sum	41390
Std Dev	2216.639	Variance	4913489
Skewness	1.51524	Kurtosis	1.174721
USS	1.7901E8	CSS	93356295
CV	107.1099	Std Mean	495.6556
T:Mean=0	4.175278	Prob>|T|	0.0005
Sgn Rank	105	Prob>|S|	0.0001
Num ^= 0	20		
W:Normal	0.759302	Prob<W	0.0001

Quantiles(Def=5)

100% Max	6900	99%	6900
75% Q3	2400	95%	6850
50% Med	1400	90%	6750
25% Q1	585	10%	185
0% Min	120	5%	150
		1%	120
Range	6780		
Q3-Q1	1815		
Mode	1800		

Extremes

Lowest	Obs	Highest	Obs
120(	20)	2600(	19)
180(	4)	3500(	9)
190(	2)	6700(	16)
290(	1)	6800(	17)
450(	7)	6900(	18)

```
Stem Leaf                     #             Boxplot
   6 789                      3                0
   5                                           |
   4                                           |
   3 5                        1                |
   2 26                       2             +--+--+
   1 135688                   6             *-----*
   0 12234788                 8             +-----+
     ----+----+----+----+
 Multiply Stem.Leaf by 10**+3
```

Normal Probability Plot

```
6500+                                  *  *   +*+++
    |                                     ++++
    |                                 +++++
3500+                             ++++*
    |                        +++++ **
    |                     ++** ***
 500+     *    *  * *+**+**
       +----+----+----+----+----+----+----+----+----+----+
           -2        -1         0        +1        +2
```

NLI 002 1667

Test of Normality
National Lead

UNIVARIATE PROCEDURE

Variable=SILTCLAY

Moments

N	20	Sum Wgts	20
Mean	7.773	Sum	155.46
Std Dev	3.576964	Variance	12.79467
Skewness	0.011823	Kurtosis	0.953126
USS	1451.489	CSS	243.0988
CV	46.01781	Std Mean	0.799834
T:Mean=0	9.718272	Prob>|T|	0.0001
Sgn Rank	105	Prob>|S|	0.0001
Num ^= 0	20		
W:Normal	0.958422	Prob<W	0.5193

Quantiles(Def=5)

100% Max	16.26	99%	16.26
75% Q3	9.585	95%	14.07
50% Med	8.23	90%	11.445
25% Q1	6.04	10%	2.1
0% Min	0.92	5%	1.15
		1%	0.92
Range	15.34		
Q3-Q1	3.545		
Mode	0.92		

Extremes

Lowest	Obs	Highest	Obs
0.92(	8)	9.72(	1)
1.38(	10)	10.08(	2)
2.82(	9)	11.01(	19)
5.29(	12)	11.88(	3)
5.73(	17)	16.26(	16)

```
Stem Leaf                    #        Boxplot                    Normal Probability Plot
   1 6                       1           0                17.5+                                  * +++++
   1 0012                    4        +-----+                  |                          ++*+*++*++++++
   0 566678889999           12        *--+--*                  |              * **+****+****+**
   0 113                     3           |                 2.5+    ++*++++*++*+++
     ----+----+----+----+                                     +----+----+----+----+----+----+----+----+----+----+
 Multiply Stem.Leaf by 10**+1                                     -2        -1         0        +1        +2
```

NLI 002 1668

Test of Normality
National Lead

UNIVARIATE PROCEDURE

Variable=WORMPB

Moments

N	16	Sum Wgts	16
Mean	79.75	Sum	1276
Std Dev	41.74765	Variance	1742.867
Skewness	0.915423	Kurtosis	-0.20589
USS	127904	CSS	26143
CV	52.34816	Std Mean	10.43691
T:Mean=0	7.641148	Prob>|T|	0.0001
Sgn Rank	68	Prob>|S|	0.0001
Num ^= 0	16		
W:Normal	0.891475	Prob<W	0.0595

Quantiles(Def=5)

100% Max	170	99%	170
75% Q3	115	95%	170
50% Med	65	90%	140
25% Q1	50	10%	34
0% Min	29	5%	29
		1%	29
Range	141		
Q3-Q1	65		
Mode	130		

Extremes

Lowest	Obs	Highest	Obs
29(	4)	100(	9)
34(	6)	130(	3)
46(	13)	130(	7)
48(	2)	140(	18)
52(	5)	170(	14)

Missing Value	.
Count	4
% Count/Nobs	20.00

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   1 7                       1             |                  175+                                  +*+++++++
   1 0334                    4          +-----+                  |                          +*+*++++*+++
   0 555666778               9          *--+--*                  |                +*+*+**+**+*
   0 33                      2             |                   25+      +*++++*++*+*
     ----+----+----+----+                                        +----+----+----+----+----+----+----+----+----+----+
 Multiply Stem.Leaf by 10**+2                                        -2        -1         0        +1        +2
```

NLI 002 1669

Test of Normality
National Lead

UNIVARIATE PROCEDURE

Variable=PH

Moments

N	20	Sum Wgts	20
Mean	6.9	Sum	138
Std Dev	0.2	Variance	0.04
Skewness	-2.67544	Kurtosis	7.802374
USS	952.96	CSS	0.76
CV	2.898551	Std Mean	0.044721
T:Mean=0	154.2887	Prob>|T|	0.0001
Sgn Rank	105	Prob>|S|	0.0001
Num ^= 0	20		
W:Normal	0.584798	Prob<W	0.0001

Quantiles(Def=5)

100% Max	7	99%	7
75% Q3	7	95%	7
50% Med	7	90%	7
25% Q1	6.9	10%	6.65
0% Min	6.2	5%	6.4
		1%	6.2
Range	0.8		
Q3-Q1	0.1		
Mode	7		

Extremes

Lowest	Obs	Highest	Obs
6.2(	9)	7(	11)
6.6(	17)	7(	12)
6.7(	19)	7(	15)
6.8(	16)	7(	18)
6.9(	14)	7(	20)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
  70 0000000000000          13          +-----+                7.1+                    *** ****+**+*+*++*    *
  68 0000                    4          +--+--+                   |              * * +*++++++++
  66 00                      2             0                   6.7+         +*++*+++++
  64                                                             |++++++++++
  62 0                       1             *                   6.3+     *
     ----+----+----+----+                                        +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-1                                        -2        -1         0        +1        +2
```

NLI 002 1670

Test of Normality
National Lead

UNIVARIATE PROCEDURE

Variable=MOISTURE

Moments

N	20	Sum Wgts	20
Mean	40.0375	Sum	800.75
Std Dev	21.08813	Variance	444.7092
Skewness	0.062949	Kurtosis	-1.73543
USS	40509.5	CSS	8449.475
CV	52.67095	Std Mean	4.715449
T:Mean=0	8.490707	Prob>|T|	0.0001
Sgn Rank	105	Prob>|S|	0.0001
Num ^= 0	20		
W:Normal	0.879235	Prob<W	0.0166

Quantiles(Def=5)

100% Max	69.14	99%	69.14
75% Q3	62.485	95%	67.59
50% Med	35.335	90%	65.83
25% Q1	19.845	10%	13.875
0% Min	11.16	5%	11.41
		1%	11.16
Range	57.98		
Q3-Q1	42.64		
Mode	11.16		

Extremes

Lowest	Obs	Highest	Obs
11.16(	2)	63.15(	18)
11.66(	4)	64.12(	15)
16.09(	1)	65.62(	8)
18.99(	6)	66.04(	20)
19.55(	7)	69.14(	17)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   6 234669                  6          +-----+                 65+                          ** *+*++*    *
   5 038                     3          |     |                   |                       ***+++++
   4                                    |  +  |                   |                     +++++
   3 146                     3          *-----*                   |                  ++** *
   2 0028                    4          +-----+                   |              +++*+**
   1 1269                    4             |                   15+      *    *++*+* *
     ----+----+----+----+                                         +----+----+----+----+----+----+----+----+----+----+
 Multiply Stem.Leaf by 10**+1                                        -2        -1         0        +1        +2
```

NLI 002 1671

Test of Normality
National Lead

UNIVARIATE PROCEDURE

Variable=ORGANIC

Moments

N	20	Sum Wgts	20
Mean	35.368	Sum	707.36
Std Dev	22.29844	Variance	497.2203
Skewness	0.398211	Kurtosis	-0.74101
USS	34465.09	CSS	9447.185
CV	63.04692	Std Mean	4.986082
T:Mean=0	7.093345	Prob>|T|	0.0001
Sgn Rank	105	Prob>|S|	0.0001
Num ^= 0	20		
W:Normal	0.945939	Prob<W	0.3218

Quantiles(Def=5)

100% Max	78.26	99%	78.26
75% Q3	51.205	95%	77.09
50% Med	32.54	90%	67.74
25% Q1	18.105	10%	6.89
0% Min	4.2	5%	5.01
		1%	4.2
Range	74.06		
Q3-Q1	33.1		
Mode	4.2		

Extremes

Lowest	Obs	Highest	Obs
4.2(	2)	53.66(	20)
5.82(	4)	54.99(	8)
7.96(	1)	59.56(	9)
12.56(	7)	75.92(	14)
17.87(	16)	78.26(	15)

```
Stem Leaf                    #          Boxplot
   6 068                     3             |
   4 89945                   5          +-----+
   2 121144                  6          *--+--*
   0 468388                  6          +-----+
     ----+----+----+----+
Multiply Stem.Leaf by 10**+1
```

Normal Probability Plot

```
70+                                                  ++*++++*+
  |                                          **+**+*+*
  |                                  ++****+**
10+      *   +*++*+*+**
   +----+----+----+----+----+----+----+----+----+----+
       -2        -1         0        +1        +2
```

NLI 002 1672

Test of Normality
National Lead

UNIVARIATE PROCEDURE

Variable=TOC

Moments

N	20	Sum Wgts	20
Mean	107.7	Sum	2154
Std Dev	66.62392	Variance	4438.747
Skewness	0.089531	Kurtosis	-1.41766
USS	316322	CSS	84336.2
CV	61.86065	Std Mean	14.89756
T:Mean=0	7.229371	Prob>|T|	0.0001
Sgn Rank	105	Prob>|S|	0.0001
Num ^= 0	20		
W:Normal	0.926172	Prob<W	0.1378

Quantiles(Def=5)

100% Max	210	99%	210
75% Q3	175	95%	205
50% Med	109.5	90%	195
25% Q1	48	10%	21.5
0% Min	13	5%	15
		1%	13
Range	197		
Q3-Q1	127		
Mode	120		

Extremes

Lowest	Obs	Highest	Obs
13(	2)	180(	8)
17(	4)	190(	15)
26(	1)	190(	18)
31(	7)	200(	14)
41(	16)	210(	20)

```
Stem Leaf                    #          Boxplot                    Normal Probability Plot
   2 01                      2             |                 225+                                  *++++*++
   1 7899                    4          +-----+                 |                          **+*++++
   1 02234                   5          *--+--*              125+                     ++****++
   0 6679                    4          +-----+                 |               ++*+****
   0 12334                   5             |                  25+      *  ++*++*+* *
     ----+----+----+----+                                       +----+----+----+----+----+----+----+----+----+----+
 Multiply Stem.Leaf by 10**+2                                       -2        -1         0        +1        +2
```

NLI 002 1673

TTEST PROCEDURE

Variable: TOC

AREA	N	Mean	Std Dev	Std Error	Minimum	Maximum	Variances	T	DF	P
E	7	39.14285714	22.78470665	8.61180964	13.00000000	68.00000000	Unequal	-4.6361	15.7	
W	12	124.91666667	56.72334510	16.37461928	19.00000000	200.00000000	Equal	-3.7894	17.0	

For H0: Variances are equal, F' = 6.20 DF = (11,6) Prob>F' = 0.0358

NLI 002 1674

Comparison of East vs. West Areas
National Lead

TTEST PROCEDURE

Variable: ORGANIC

AREA	N	Mean	Std Dev	Std Error	Minimum	Maximum	Variances	T	DF	P
East	7	13.07428571	7.32782564	2.76965776	4.20000000	21.90000000	Unequal	-5.6347	15.7	
West	12	46.84833333	18.41383118	5.31561519	17.87000000	78.26000000	Equal	-4.5998	17.0	

For H0: Variances are equal, F' = 6.31 DF = (11,6) Prob>F' = 0.0341

****

Variable: LOGWORM

AREA	N	Mean	Std Dev	Std Error	Minimum	Maximum	Variances	T	DF	P
East	7	1.76891946	0.25785465	0.09745990	1.46239800	2.11394335	Unequal	-1.2281	10.4	
West	9	1.90991264	0.18203560	0.06067853	1.66275783	2.23044892	Equal	-1.2846	14.0	

For H0: Variances are equal, F' = 2.01 DF = (6,8) Prob>F' = 0.3563

NLI 002 1675

Comaprison of Lead Soil Concentration in Soil and Silt/Clay Content
National Lead

CORRELATION ANALYSIS

1 'WITH' Variables: LOGSOIL
1 'VAR' Variables: SILTCLAY

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum	Label
LOGSOIL	20	3.062935	0.521655	61.258703	2.079181	3.838849	Log Transform of Lead in Soil
SILTCLAY	20	7.773000	3.576964	155.460000	0.920000	16.260000	% Silt/Clay

Pearson Correlation Coefficients / Prob > |R| under Ho: Rho=0 / N = 20

	SILTCLAY
LOGSOIL	-0.01456
Log Transform of Lead in Soil	0.9514

Statistical Data Set
National Lead

OBS	LOCATION	AREA	AAPBSOIL	SILTCLAY	WORMPB	PH	MOISTURE	ORGANIC	TOC	LOGSOIL	LOGWORM
1	1	East	290	9.72	58	7.0	16.09	7.96	26	2.46240	1.76343
2	2	East	190	10.08	48	7.0	11.16	4.20	13	2.27875	1.68124
3	3	East	810	11.88	130	7.0	20.14	20.74	64	2.90849	2.11394
4	4	East	180	9.01	29	7.0	11.66	5.82	17	2.25527	1.46240
5	5	East	1100	8.05	52	7.0	22.08	21.90	68	3.04139	1.71600
6	6	East	720	8.13	34	7.0	18.99	18.34	55	2.85733	1.53148
7	7	East	450	6.40	130	7.0	19.55	12.56	31	2.65321	2.11394
8	8	West	1800	0.92	71	6.9	65.62	54.99	180	3.25527	1.85126
9	9	West	3500	2.82	100	6.2	53.40	59.56	140	3.54407	2.00000
10	10	West	830	1.38	76	7.0	50.05	47.88	120	2.91908	1.88081
11	11	West	1300	6.35	.	7.0	34.23	34.47	99	3.11394	.
12	12	West	1600	5.29	.	7.0	30.60	30.86	90	3.20412	.
13	13	West	1500	6.93	46	6.9	28.16	31.05	120	3.17609	1.66276
14	14	West	2200	9.45	170	6.9	61.82	75.92	200	3.34242	2.23045
15	15	West	1800	9.04	63	7.0	64.12	78.26	190	3.25527	1.79934
16	16	West	6700	16.26	62	6.8	36.44	17.87	41	3.82607	1.79239
17	17	West	6800	5.73	67	6.6	69.14	48.75	170	3.83251	1.82607
18	18	West	6900	8.68	140	7.0	63.15	48.54	190	3.83885	2.14613
19	19	West	2600	11.01	.	6.7	58.31	34.03	130	3.41497	.
20	20	R	120	8.33	.	7.0	66.04	53.66	210	2.07918	.

NLI 002 1677

Regression Analysis of Spectrace 9000 XRF and Confirmatory Metals Analysis
Pb in Soil (mg/kg)
National Lead Site

Model: MODEL1
NOTE: No intercept in model. R-square is redefined.
Dependent Variable: AA Metals Analysis mg/kg Pb

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	1	176373445.27	176373445.27	1269.617	0.0001
Error	19	2639454.7261	138918.66980		
U Total	20	179012900.00			

Root MSE	372.71795	R-square	0.9853
Dep Mean	2069.50000	Adj R-sq	0.9845
C.V.	18.01005		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|	Variable Label
XRF	1	0.698476	0.01960266	35.632	0.0001	Spectrace 9000 mg/kg Pb

soil
comp
between
soil AA and soil XRF

NLI 002 1678

Regression Analysis of Spectrace 9000 XRF and Confirmatory Metals Analysis
Pb in Soil (mg/kg)
National Lead Site

Obs	Dep Var AA	Predict Value	Std Err Predict	Residual	Std Err Residual	Student Residual	-2-1-0 1 2	Cook's D
1	290.0	218.6	6.136	71.3771	372.667	0.192		0.000
2	190.0	150.9	4.234	39.1293	372.694	0.105		0.000
3	810.0	722.9	20.289	87.0777	372.165	0.234		0.000
4	180.0	118.0	3.313	61.9576	372.703	0.166		0.000
5	1100.0	943.6	26.483	156.4	371.776	0.421		0.001
6	720.0	600.0	16.839	120.0	372.337	0.322		0.000
7	450.0	303.8	8.527	146.2	372.620	0.392		0.000
8	1800.0	2054.2	57.651	-254.2	368.232	-0.690	*	0.012
9	3500.0	3751.5	105.286	-251.5	357.538	-0.703	*	0.043
10	830.0	861.9	24.190	-31.9189	371.932	-0.086		0.000
11	1300.0	1010.0	28.345	290.0	371.639	0.780	*	0.004
12	1600.0	1213.3	34.050	386.7	371.159	1.042	**	0.009
13	1500.0	1459.1	40.950	40.8844	370.462	0.110		0.000
14	2200.0	3018.8	84.723	-818.8	362.961	-2.256	****	0.277
15	1800.0	2542.5	71.354	-742.5	365.824	-2.030	****	0.157
16	6700.0	6566.4	184.285	133.6	323.972	0.412		0.055
17	6800.0	6263.2	175.777	536.8	328.666	1.633	***	0.763
18	6900.0	7042.0	197.634	-142.0	316.005	-0.449		0.079
19	2600.0	1795.8	50.398	804.2	369.295	2.178	****	0.088
20	120.0	168.3	4.724	-48.3326	372.688	-0.130		0.000

Sum of Residuals	585.05325233
Sum of Squared Residuals	2639454.7261
Predicted Resid SS (Press)	3020842.9718

Comparison of Areas for Pb in Adults/Subadults/Juveniles
National Lead

General Linear Models Procedure
Class Level Information

Class	Levels	Values
SAREA	3	1 2 3

Number of observations in data set = 38

NLI 002 1680

General Linear Models Procedure

Dependent Variable: LOGPB

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	1.37157298	0.68578649	5.86	0.0064
Error	35	4.09827123	0.11709346		
Corrected Total	37	5.46984421			

R-Square	C.V.	Root MSE	LOGPB Mean
0.250752	98.07879	0.34218922	0.34889219

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SAREA	2	1.37157298	0.68578649	5.86	0.0064

Source	DF	Type III SS	Mean Square	F Value	Pr > F
SAREA	2	1.37157298	0.68578649	5.86	0.0064

NLI 002 1681

Comparison of Areas for Pb in Adults/Subadults/Juveniles
National Lead

11:10 Friday, October 30, 1992

General Linear Models Procedure

Duncan's Multiple Range Test for variable: LOGPB

NOTE: This test controls the type I comparisonwise error rate, not the experimentwise error rate

Alpha= 0.05 df= 35 MSE= 0.117093
WARNING: Cell sizes are not equal.
Harmonic Mean of cell sizes= 12.45283

Number of Means	2	3
Critical Range	0.278	0.293

Means with the same letter are not significantly different.

Duncan Grouping	Mean	N	SAREA
A	0.562	12	3
A			
A	0.378	15	2
B	0.077	11	1

NLI 002 1682

Comparison of Areas for Pb in Adults/Subadults/Juveniles
National Lead

11:10 Friday, October 30, 1992

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: LOGPB

NOTE: This test controls the type I experimentwise error rate, but generally has a higher type II error rate than REGWQ.

Alpha= 0.05 df= 35 MSE= 0.117093
Critical Value of Studentized Range= 3.461
Minimum Significant Difference= 0.3356
WARNING: Cell sizes are not equal.
Harmonic Mean of cell sizes= 12.45283

Means with the same letter are not significantly different.

Tukey Grouping		Mean	N	SAREA
	A	0.562	12	3
	A			
B	A	0.378	15	2
B				
B		0.077	11	1

NLI 002 1683

General Linear Models Procedure
Class Level Information

Class	Levels	Values
SAREA	3	1 2 3

Number of observations in data set = 38

NLI 002 1684

General Linear Models Procedure

Dependent Variable: LOGDRY

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	0.59950375	0.29975187	2.45	0.1014
Error	35	4.29018296	0.12257666		
Corrected Total	37	4.88968671			

R-Square	C.V.	Root MSE	LOGDRY Mean
0.122606	46.76595	0.35010949	0.74864194

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SAREA	2	0.59950375	0.29975187	2.45	0.1014

Source	DF	Type III SS	Mean Square	F Value	Pr > F
SAREA	2	0.59950375	0.29975187	2.45	0.1014

General Linear Models Procedure
Class Level Information

Class	Levels	Values
SAREA	3	1 2 3

Number of observations in data set = 34

NLI 002 1686

General Linear Models Procedure

Dependent Variable: LOGDRY

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	0.19024555	0.09512277	0.96	0.3935
Error	31	3.06735968	0.09894709		
Corrected Total	33	3.25760523			

R-Square	C.V.	Root MSE	LOGDRY Mean
0.058400	42.45956	0.31455856	0.74084280

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SAREA	2	0.19024555	0.09512277	0.96	0.3935

Source	DF	Type III SS	Mean Square	F Value	Pr > F
SAREA	2	0.19024555	0.09512277	0.96	0.3935

NLI 002 1687

General Linear Models Procedure
Class Level Information

Class	Levels	Values
SAREA	3	1 2 3

Number of observations in data set = 34

NLI 002 1688

General Linear Models Procedure

Dependent Variable: LOGPB

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	0.73753664	0.36876832	3.70	0.0361
Error	31	3.08749501	0.09959661		
Corrected Total	33	3.82503165			

R-Square	C.V.	Root MSE	LOGPB Mean
0.192818	88.85148	0.31558931	0.35518747

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SAREA	2	0.73753664	0.36876832	3.70	0.0361

Source	DF	Type III SS	Mean Square	F Value	Pr > F
SAREA	2	0.73753664	0.36876832	3.70	0.0361

NLI 002 1689

General Linear Models Procedure

Duncan's Multiple Range Test for variable: LOGPB

NOTE: This test controls the type I comparisonwise error rate, not the experimentwise error rate

Alpha= 0.05 df= 31 MSE= 0.099597
WARNING: Cell sizes are not equal.
Harmonic Mean of cell sizes= 11.20104

Number of Means	2	3
Critical Range	0.272	0.286

Means with the same letter are not significantly different.

Duncan Grouping		Mean	N	SAREA
	A	0.529	11	3
	A			
B	A	0.363	13	2
B				
B		0.154	10	1

NLI 002 1690

General Linear Models Procedure

Tukey's Studentized Range (HSD) Test for variable: LOGPB

NOTE: This test controls the type I experimentwise error rate, but generally has a higher type II error rate than REGWQ.

Alpha= 0.05 df= 31 MSE= 0.099597
Critical Value of Studentized Range= 3.481
Minimum Significant Difference= 0.3282
WARNING: Cell sizes are not equal.
Harmonic Mean of cell sizes= 11.20104

Means with the same letter are not significantly different.

Tukey Grouping		Mean	N	SAREA
	A	0.529	11	3
	A			
B	A	0.363	13	2
B				
B		0.154	10	1

NLI 002 1691

Descriptive Statistics
Lead: Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=1 ----------

UNIVARIATE PROCEDURE

riable=PB

Moments

	10	Sum Wgts	10
ean	1.739	Sum	17.39
td Dev	1.011824	Variance	1.023788
kewness	0.103822	Kurtosis	-1.54573
SS	39.4553	CSS	9.21409
V	58.18424	Std Mean	0.319967
:Mean=0	5.434938	Prob>|T|	0.0004
gn Rank	27.5	Prob>|S|	0.0020
um ^= 0	10		
:Normal	0.929777	Prob<W	0.4297

Quantiles(Def=5)

100% Max	3.3	99%	3.3
75% Q3	2.6	95%	3.3
50% Med	1.75	90%	3
25% Q1	0.74	10%	0.555
0% Min	0.4	5%	0.4
		1%	0.4
Range	2.9		
Q3-Q1	1.86		
Mode	0.4		

Extremes

Lowest	Obs	Highest	Obs
0.4(	6)	1.9(	9)
0.71(	5)	2.5(	10)
0.74(	3)	2.6(	7)
0.94(	4)	2.7(	1)
1.6(	8)	3.3(	2)

```
Stem Leaf                  #          Boxplot                          Normal Probability Plot
   3 3                     1             |                  3.25+                                  ++*++
   2 567                   3          +-----+                  |                          *  *++*++
   2                                  |     |                  |                         +++++
   1 69                    2          *--+--*               1.75+                     +*+*+
   1                                  |     |                  |                +++++
   0 779                   3          +-----+                  |           ++*++*  *
   0 4                     1             |                  0.25+       ++*++
     ----+----+----+----+                                      +----+----+----+----+----+----+----+----+----+----+
                                                                  -2        -1         0        +1        +2
```

NLI 002 1692

Descriptive Statistics
Lead: Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=2 ----------

UNIVARIATE PROCEDURE

riable=PB

Moments

	13	Sum Wgts	13
ean	2.99	Sum	38.87
td Dev	3.111747	Variance	9.682967
kewness	3.195864	Kurtosis	10.90233
SS	232.4169	CSS	116.1956
V	104.0718	Std Mean	0.863043
:Mean=0	3.464485	Prob>|T|	0.0047
gn Rank	45.5	Prob>|S|	0.0002
um ^= 0	13		
:Normal	0.552487	Prob<W	0.0001

Quantiles(Def=5)

100% Max	13	99%	13
75% Q3	2.9	95%	13
50% Med	2.2	90%	3.4
25% Q1	1.7	10%	1.1
0% Min	0.87	5%	0.87
		1%	0.87
Range	12.13		
Q3-Q1	1.2		
Mode	1.7		

Extremes

Lowest	Obs	Highest	Obs
0.87(	10)	2.8(	7)
1.1(	2)	2.9(	5)
1.6(	8)	3.4(	1)
1.7(	12)	3.4(	11)
1.7(	6)	13(	9)

Stem	Leaf	#	Boxplot
12	0	1	*
10			
8			
6			
4			
2	238944	6	+--+--+
0	916779	6	+-----+

```
   ----+----+----+----+
```

Normal Probability Plot

```
13+                                                  *
  |                                                      +++
  |                                                  ++++++
 7+                                          +++++++
  |                                    ++++++
  |                          +++*+*+* * *
 1+       *    *  +*+*++ *
   +----+----+----+----+----+----+----+----+----+----+
       -2        -1         0        +1        +2
```

NLI 002 1693

Descriptive Statistics
Lead: Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=3 ----------

UNIVARIATE PROCEDURE

iable=PB

Moments

	11	Sum Wgts	11
ean	4.453636	Sum	48.99
td Dev	3.475319	Variance	12.07785
kewness	1.567553	Kurtosis	3.086165
SS	338.9621	CSS	120.7785
/	78.0333	Std Mean	1.047848
:Mean=0	4.250268	Prob>|T|	0.0017
gn Rank	33	Prob>|S|	0.0010
m ^= 0	11		
:Normal	0.861079	Prob<W	0.0593

Quantiles(Def=5)

100% Max	13	99%	13
75% Q3	6.1	95%	13
50% Med	4.1	90%	7.3
25% Q1	1.5	10%	1.2
0% Min	0.89	5%	0.89
		1%	0.89
Range	12.11		
Q3-Q1	4.6		
Mode	0.89		

Extremes

Lowest	Obs	Highest	Obs
0.89(	11)	4.4(	4)
1.2(	1)	4.6(	5)
1.5(	10)	6.1(	8)
2.6(	6)	7.3(	3)
3.3(	2)	13(	7)

```
Stem Leaf                  #          Boxplot                          Normal Probability Plot
  12 0                     1             |                   13+                                  *    ++++
  10                                     |                     |                                  ++++++
   8                                     |                     |                              +++++
   6 13                    2          +-----+                 7+                         ++*+++*
   4 146                   3          *--+--*                   |                    +*+*++*
   2 63                    2          |     |                   |                ++*++*
   0 925                   3          +-----+                 1+        *   +*+++*
     ----+----+----+----+                                       +----+----+----+----+----+----+----+----+----+----+
                                                                   -2        -1         0        +1        +2
```

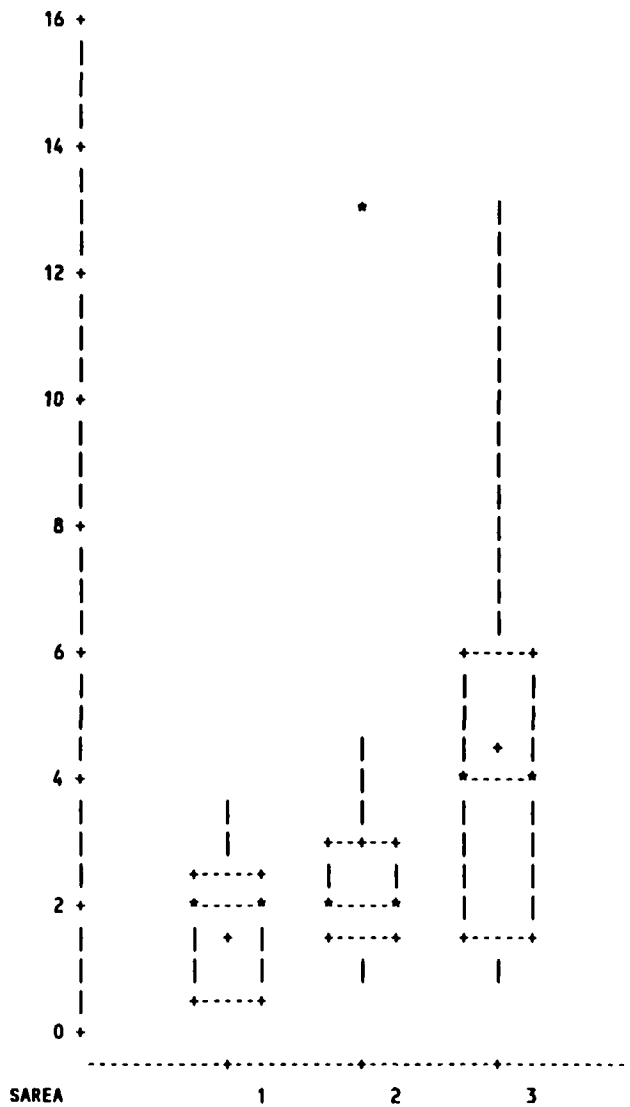
NLI 002 1694

Descriptive Statistics
Lead: Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

UNIVARIATE PROCEDURE
Schematic Plots

riable=PB



NLI 002 1695

Descriptive Statistics
Lead: Peromyscus Adults/Subadults/Juveniles
National Lead

9:42 Friday, October 30, 19

---------- SAREA=1 ----------

UNIVARIATE PROCEDURE

Variable=PB

Moments

N	11	Sum Wgts	11
Mean	1.599091	Sum	17.59
Std Dev	1.066175	Variance	1.136729
Skewness	0.194684	Kurtosis	-1.504
USS	39.4953	CSS	11.36729
CV	66.67382	Std Mean	0.321464
T:Mean=0	4.974403	Prob>|T|	0.0006
Sgn Rank	33	Prob>|S|	0.0010
Num ^= 0	11		
W:Normal	0.930407	Prob<W	0.3963

Quantiles(Def=5)

100% Max	3.3	99%	3.3
75% Q3	2.6	95%	3.3
50% Med	1.6	90%	2.7
25% Q1	0.71	10%	0.4
0% Min	0.2	5%	0.2
		1%	0.2
Range	3.1		
Q3-Q1	1.89		
Mode	0.2		

Extremes

Lowest	Obs	Highest	Obs
0.2(	7)	1.9(	10)
0.4(	6)	2.5(	11)
0.71(	5)	2.6(	8)
0.74(	3)	2.7(	1)
0.94(	4)	3.3(	2)

```
Stem Leaf                  #          Boxplot                          Normal Probability Plot
   3 3                     1             |                  3.25+                                  ++*+
   2 567                   3          +-----+                   |                          * * ++*++
   2                                  |     |                   |                         +++++
   1 69                    2          *--+--*                1.75+                      *+*+
   1                                  |     |                   |                 +++++
   0 779                   3          +-----+                   |             +++*+*  *
   0 24                    2             |                  0.25+        * +++*
     ----+----+----+----+                                       +----+----+----+----+----+----+----+----+----+----+
                                                                   -2        -1         0        +1        +2
```

NLI 002 1696

Descriptive Statistics
Lead: Peromyscus Adults/Subadults/Juveniles
National Lead

9:42 Friday, October 30, 19

---------- SAREA=2 ----------

UNIVARIATE PROCEDURE

Variable=P8

Moments

N	15	Sum Wgts	15
Mean	3.098	Sum	46.47
Std Dev	3.022686	Variance	9.136631
Skewness	2.874072	Kurtosis	9.075967
USS	271.8769	CSS	127.9128
CV	97.56895	Std Mean	0.780454
T:Mean=0	3.969483	Prob>|T|	0.0014
Sgn Rank	60	Prob>|S|	0.0001
Num ^= 0	15		
W:Normal	0.629015	Prob<W	0.0001

Quantiles(Def=5)

100% Max	13	99%	13
75% Q3	3.4	95%	13
50% Med	2.2	90%	6.1
25% Q1	1.6	10%	1.1
0% Min	0.87	5%	0.87
		1%	0.87
Range	12.13		
Q3-Q1	1.8		
Mode	1.7		

Extremes

Lowest	Obs	Highest	Obs
0.87(	11)	2.9(	5)
1.1(	2)	3.4(	1)
1.5(	15)	3.4(	12)
1.6(	8)	6.1(	10)
1.7(	13)	13(	9)

```
Stem Leaf                  #          Boxplot                    Normal Probability Plot
  12 0                     1             *                  13+                                  *
  10                                                        |                                        +++
   8                                                        |                                    ++++++
   6 1                     1             |                   7+                            ++*++++
   4                                     |                   |                        +++++++
   2 238944                6          +--+--+                |                  +++*+** * *
   0 9156779               7          +-----+                1+       *    * +*+*+*+ *
     ----+----+----+----+                                     +----+----+----+----+----+----+----+----+----+----+
                                                                  -2        -1         0        +1        +2
```

NLI 002 1697

Descriptive Statistics
Lead: Peromyscus Adults/Subadults/Juveniles
National Lead

9:42 Friday, October 30, 19

---------- SAREA=3 ----------

UNIVARIATE PROCEDURE

Variable=PB

Moments

N	12	Sum Wgts	12
Mean	4.774167	Sum	57.29
Std Dev	3.494672	Variance	12.21274
Skewness	1.190273	Kurtosis	1.576409
USS	407.8521	CSS	134.3401
CV	73.19963	Std Mean	1.008825
T:Mean=0	4.732403	Prob>|T|	0.0006
Sgn Rank	39	Prob>|S|	0.0005
Num ^= 0	12		
W:Normal	0.90661	Prob<W	0.1840

Quantiles(Def=5)

100% Max	13	99%	13
75% Q3	6.7	95%	13
50% Med	4.25	90%	8.3
25% Q1	2.05	10%	1.2
0% Min	0.89	5%	0.89
		1%	0.89
Range	12.11		
Q3-Q1	4.65		
Mode	0.89		

Extremes

Lowest	Obs	Highest	Obs
0.89(	11)	4.6(	5)
1.2(	1)	6.1(	8)
1.5(	10)	7.3(	3)
2.6(	6)	8.3(	12)
3.3(	2)	13(	7)

```
Stem Leaf                    #          Boxplot
  12 0                       1             |
  10                                       |
   8 3                       1             |
   6 13                      2          +-----+
   4 146                     3          *--+--*
   2 63                      2          +-----+
   0 925                     3             |
     ----+----+----+----+
```

Normal Probability Plot

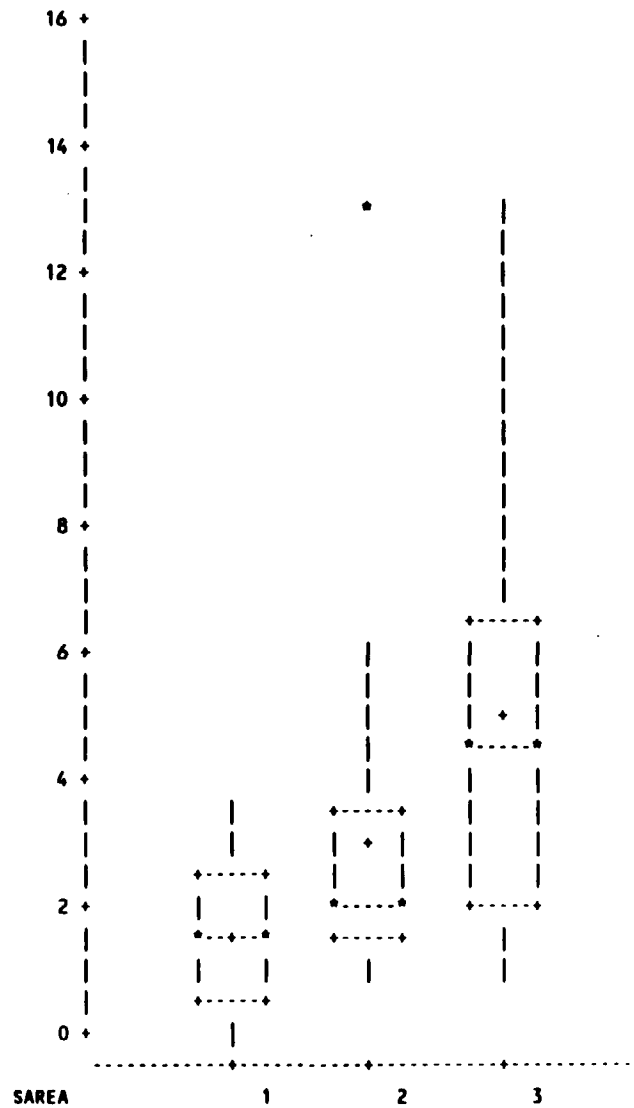
```
13+                                                  *    +++++
  |                                                 ++++++
  |                                              +*+++
  |                                        +*++*+
 7+                                   +*+*+*
  |                              ++*+*
  |                         ++*++*
 1+                   *  ++*++*
   +----+----+----+----+----+----+----+----+----+----+
       -2        -1         0        +1        +2
```

NLI 002 1698

Descriptive Statistics
Lead: Peromyscus Adults/Subadults/Juveniles
National Lead

UNIVARIATE PROCEDURE
Schematic Plots

Variable=PB



NLI 00214699

Test for Normality
Log Transform of Lead: Peromyscus Adults
National lead

9:42 Friday, October 30, 19

UNIVARIATE PROCEDURE

Variable=LOGPB

Moments

N	34	Sum Wgts	34
Mean	0.355187	Sum	12.07637
Std Dev	0.340456	Variance	0.11591
Skewness	0.198711	Kurtosis	0.294507
USS	8.114408	CSS	3.825032
CV	95.85238	Std Mean	0.058388
T:Mean=0	6.083262	Prob>|T|	0.0001
Sgn Rank	259	Prob>|S|	0.0001
Num ^= 0	34		
W:Normal	0.979473	Prob<W	0.8077

Quantiles(Def=5)

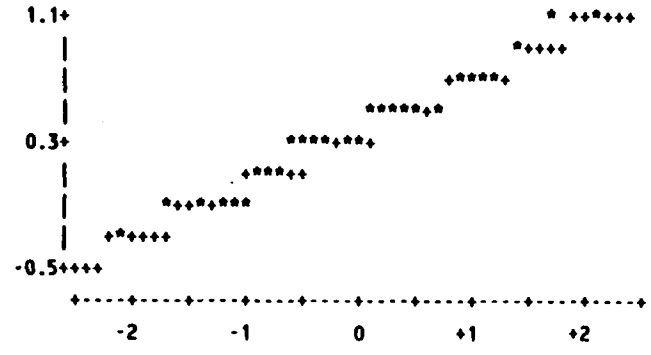
100% Max	1.113943	99%	1.113943
75% Q3	0.531479	95%	1.113943
50% Med	0.379834	90%	0.78533
25% Q1	0.176091	10%	-0.06048
0% Min	-0.39794	5%	-0.14874
		1%	-0.39794
Range	1.511883		
Q3-Q1	0.355388		
Mode	0.20412		

Extremes

Lowest	Obs	Highest	Obs
-0.39794(	6)	0.662758(	28)
-0.14874(	5)	0.78533(	31)
-0.13077(	3)	0.863323(	26)
-0.06048(	20)	1.113943(	19)
-0.05061(	34)	1.113943(	30)

```
Stem Leaf                     #             Boxplot
  10 11                       2                0
   8 6                        1                |
   6 1469                     4                |
   4 0113562233              10             +-----+
   2 00338846                 8             *--+--*
   0 488                      3             +-----+
  -0 53653                    5                |
  -2                                           |
  -4 0                        1                0
     ----+----+----+----+
Multiply Stem.Leaf by 10**-1
```

Normal Probability Plot



NLI 002 1700

Comparison Among Areas 1, 2 & 3
Peromyscus Adult
National Lead

General Linear Models Procedure
Class Level Information

Class	Levels	Values
SAREA	3	1 2 3

Number of observations in data set = 34

NLI 002 1701

Comparison Among Areas 1, 2 & 3
Peromyscus Adult
National Lead

General Linear Models Procedure

Dependent Variable: ADRENALS

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	0.00002983	0.00001491	0.58	0.5643
Error	31	0.00079311	0.00002558		
Corrected Total	33	0.00082294			

R-Square	C.V.	Root MSE	ADRENALS Mean
0.036245	61.86156	0.00505809	0.00817647

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SAREA	2	0.00002983	0.00001491	0.58	0.5643

Source	DF	Type III SS	Mean Square	F Value	Pr > F
SAREA	2	0.00002983	0.00001491	0.58	0.5643

Comparison Among Areas 1, 2 & 3
Peromyscus Adult
National Lead

General Linear Models Procedure

Dependent Variable: WEIGHT Body Weight

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	2.69872419	1.34936210	0.09	0.9120
Error	31	452.88271981	14.60911999		
Corrected Total	33	455.58144400			

R-Square	C.V.	Root MSE	WEIGHT Mean
0.005924	17.14524	3.82218785	22.29300000

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SAREA	2	2.69872419	1.34936210	0.09	0.9120

Source	DF	Type III SS	Mean Square	F Value	Pr > F
SAREA	2	2.69872419	1.34936210	0.09	0.9120

NLI 002 1703

Comparison Among Areas 1, 2 & 3
Peromyscus Adult
National Lead

N P A R 1 W A Y P R O C E D U R E

Analysis of Variance for Variable SPLWT
Classified by Variable SAREA

SAREA	N	Mean
1	10	0.002922814
2	13	0.002923128
3	11	0.002302267

Among MS	Within MS
1.433536E-6	1.879294E-6

F Value	Prob > F
0.763	0.4749

Comparison Among Areas 1, 2 & 3
Peromyscus Adult
National Lead

N P A R 1 W A Y P R O C E D U R E

Wilcoxon Scores (Rank Sums) for Variable SPLWT
Classified by Variable SAREA

SAREA	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
1	10	193.0	175.000000	26.4575131	19.3000000
2	13	240.0	227.500000	28.2179021	18.4615385
3	11	162.0	192.500000	27.1646216	14.7272727

Kruskal-Wallis Test (Chi-Square Approximation)
CHISQ= 1.3007 DF= 2 Prob > CHISQ= 0.5219

NLI 002 1705

Comparison Among Areas 1, 2 & 3
Peromyscus Adult
National Lead

N P A R 1 W A Y P R O C E D U R E

Analysis of Variance for Variable THYWT
Classified by Variable SAREA

SAREA	N	Mean
1	10	0.000277088
2	13	0.000372275
3	11	0.000325491

Average Scores were used for Ties

Among MS	Within MS
2.571435E-8	1.640826E-7

F Value	Prob > F
0.157	0.8556

NLI 002 1706

Comparison Among Areas 1, 2 & 3
Peromyscus Adult
National Lead

9:42 Friday, October 30, 1992

N P A R 1 W A Y P R O C E D U R E

Wilcoxon Scores (Rank Sums) for Variable THYWT
Classified by Variable SAREA

SAREA	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
1	10	165.500000	175.000000	25.0454133	16.5500000
2	13	237.000000	227.500000	26.7118462	18.2307692
3	11	192.500000	192.500000	25.7147817	17.5000000

Average Scores were used for Ties

Kruskal-Wallis Test (Chi-Square Approximation)
CHISQ= 0.17968 DF= 2 Prob > CHISQ= 0.9141

NLI 002 1707

Comparison Among Areas 1, 2 & 3
Peromyscus Adult:Female
National Lead

9:42 Friday, October 30, 1992

N P A R 1 W A Y P R O C E D U R E

Analysis of Variance for Variable UTWT
Classified by Variable SAREA

SAREA	N	Mean
1	6	0.008834117
2	5	0.004909467
3	4	0.000193585

Average Scores were used for Ties

Among MS	Within MS
0.000089956	0.000075461

F Value	Prob > F
1.192	0.3371

NLI 002 1708

Comparison Among Areas 1, 2 & 3
Peromyscus Adult:Female
National Lead

9:42 Friday, October 30, 1992

N P A R 1 W A Y P R O C E D U R E

Wilcoxon Scores (Rank Sums) for Variable UTWT
Classified by Variable SAREA

SAREA	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
1	6	56.0	48.0	8.04984472	9.33333333
2	5	44.0	40.0	7.74596669	8.80000000
3	4	20.0	32.0	7.26636085	5.00000000

Average Scores were used for Ties

Kruskal-Wallis Test (Chi-Square Approximation)
CHISQ= 2.7704 DF= 2 Prob > CHISQ= 0.2503

NLI 002 1709

Comparison Among Areas 1, 2 & 3
Peromyscus Adult:Male
National Lead

N P A R 1 W A Y P R O C E D U R E

Analysis of Variance for Variable TESTWT
Classified by Variable SAREA

SAREA	N	Mean	Among MS	Within MS
			0.000098130	0.000076257
1	4	0.014378749		
2	8	0.021107769	F Value	Prob > F
3	7	0.022997632	1.287	0.3032

Average Scores were used for Ties

NLI 002 1710

Comparison Among Areas 1, 2 & 3
Peromyscus Adult:Male
National Lead

N P A R 1 W A Y P R O C E D U R E

Wilcoxon Scores (Rank Sums) for Variable TESTWT
Classified by Variable SAREA

SAREA	N	Sum of Scores	Expected Under H0	Std Dev Under H0	Mean Score
1	4	30.5000000	40.0	9.9956131	7.6250000
2	8	89.5000000	80.0	12.1052886	11.1875000
3	7	70.0000000	70.0	11.8269689	10.0000000

Average Scores were used for Ties

Kruskal-Wallis Test (Chi-Square Approximation)
CHISQ= 1.0697 DF= 2 Prob > CHISQ= 0.5858

NLI 002 1711

A... ...s o ...rianc...
Peromyscus Adults
National Lead

General Linear Models Procedure
Class Level Information

Class	Levels	Values
SAREA	3	1 2 3

Number of observations in data set = 34

NLI 002 1712

Analysis of Covariance
Peromyscus Adults
National Lead

General Linear Models Procedure
General Form of Estimable Functions

fect		Coefficients
TERCEPT		L1
REA	1	L2
	2	L3
	3	L1-L2-L3
IGHT		L5
IGHT*SAREA	1	L6
	2	L7
	3	L5-L6-L7

NLI 002 1713

Analysis of Covariance
Peromyscus Adults
National Lead

General Linear Models Procedure

Dependent Variable: LIVER

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	2.09867762	0.41973552	7.78	0.0001
Error	28	1.51113744	0.05396919		
Corrected Total	33	3.60981506			

R-Square	C.V.	Root MSE	LIVER Mean
0.581381	17.78410	0.23231271	1.30629412

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SAREA	2	0.00787574	0.00393787	0.07	0.9298
WEIGHT	1	2.04553192	2.04553192	37.90	0.0001
WEIGHT*SAREA	2	0.04526996	0.02263498	0.42	0.6615

Source	DF	Type III SS	Mean Square	F Value	Pr > F
SAREA	2	0.03655761	0.01827880	0.34	0.7156
WEIGHT	1	1.68627978	1.68627978	31.25	0.0001
WEIGHT*SAREA	2	0.04526996	0.02263498	0.42	0.6615

Parameter		Estimate	T for H0: Parameter=0	Pr > |T|	Std Error of Estimate
INTERCEPT		0.1261403844 B	0.26	0.7934	0.47717648
SAREA	1	-.5522030232 B	-0.74	0.4639	0.74366006
	2	-.4032691615 B	-0.69	0.4945	0.58253018
	3	0.0000000000 B	.	.	.
WEIGHT		0.0518551015 B	2.49	0.0188	0.02079611
WEIGHT*SAREA	1	0.0277299408 B	0.84	0.4082	0.03302384

Analysis of Covariance
Peromyscus Adults
National Lead

General Linear Models Procedure

Dependent Variable: LIVER

Parameter	Estimate	T for H0: Parameter=0	Pr > |T|	Std Error of Estimate
WEIGHT*SAREA 2	0.0190107013 B	0.74	0.4627	0.02553019
3	0.0000000000 B	.	.	.

NOTE: The X'X matrix has been found to be singular and a generalized inverse was used to solve the normal equations. Estimates followed by the letter 'B' are biased, and are not unique estimators of the parameters.

NLI 002 1715

Peromyscus Adults
National Lead

General Linear Models Procedure

Dependent Variable: KIDWTOTA

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	5	0.10737654	0.02147531	2.87	0.0324
Error	28	0.20931946	0.00747569		
Corrected Total	33	0.31669600			

R-Square	C.V.	Root MSE	KIDWTOTA Mean
0.339052	23.55916	0.08646210	0.36700000

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SAREA	2	0.00623549	0.00311775	0.42	0.6630
WEIGHT	1	0.08754406	0.08754406	11.71	0.0019
WEIGHT*SAREA	2	0.01359699	0.00679850	0.91	0.4143

Source	DF	Type III SS	Mean Square	F Value	Pr > F
SAREA	2	0.01542835	0.00771417	1.03	0.3695
WEIGHT	1	0.09368263	0.09368263	12.53	0.0014
WEIGHT*SAREA	2	0.01359699	0.00679850	0.91	0.4143

Parameter		Estimate	T for H0: Parameter=0	Pr > |T|	Std Error of Estimate
INTERCEPT		0.1339109605 B	0.75	0.4571	0.17759545
SAREA	1	-.3483811850 B	-1.26	0.2185	0.27677526
	2	-.0157274962 B	-0.07	0.9427	0.21680598
	3	0.0000000000 B	.	.	.
WEIGHT		0.0103657664 B	1.34	0.1913	0.00773989
WEIGHT*SAREA	1	0.0151126123 B	1.23	0.2291	0.01229081

NLI 002 1716

Analysis of Covariance
Peromyscus Adults
National Lead

General Linear Models Procedure

Dependent Variable: KIDWTOTA

Parameter	Estimate	T for H0: Parameter=0	Pr > |T|	Std Error of Estimate
WEIGHT*SAREA 2	0.0014741644 B	0.16	0.8778	0.00950182
3	0.0000000000 B	.	.	.

TE: The X'X matrix has been found to be singular and a generalized inverse was used to solve the normal equations. Estimates followed by the letter 'B' are biased, and are not unique estimators of the parameters.

NLI 002 1717

Analysis of Covariance
Peromyscus Adults
National Lead

General Linear Models Procedure
Least Squares Means

SAREA	LIVER LSMEAN	Std Err LSMEAN	Pr > |T| HO:LSMEAN=0	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3
1	1.34812671	0.07373013	0.0001	1	.	0.6462	0.5232
2	1.30268256	0.06447230	0.0001	2	0.6462	.	0.8314
3	1.28214616	0.07054676	0.0001	3	0.5232	0.8314	.

SAREA	KIDWTOTA LSMEAN	Std Err LSMEAN	Pr > |T| HO:LSMEAN=0	Pr > |T| HO: LSMEAN(i)=LSMEAN(j) i/j	1	2	3
1	0.35351927	0.02744087	0.0001	1	.	0.4391	0.7648
2	0.38213104	0.02399529	0.0001	2	0.4391	.	0.6337
3	0.36499499	0.02625608	0.0001	3	0.7648	0.6337	.

IE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

Descriptive Statistics by Area
Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=1 ----------

UNIVARIATE PROCEDURE

Variable=LIVER

Moments

N	10	Sum Wgts	10
Mean	1.3287	Sum	13.287
Std Dev	0.308351	Variance	0.09508
Skewness	-0.3209	Kurtosis	-1.87629
USS	18.51016	CSS	0.855722
CV	23.20696	Std Mean	0.097509
T:Mean=0	13.62642	Prob>|T|	0.0001
Sgn Rank	27.5	Prob>|S|	0.0020
Num ^= 0	10		
W:Normal	0.861734	Prob<W	0.0767

Quantiles(Def=5)

100% Max	1.662	99%	1.662
75% Q3	1.632	95%	1.662
50% Med	1.417	90%	1.657
25% Q1	0.983	10%	0.9275
0% Min	0.92	5%	0.92
		1%	0.92
Range	0.742		
Q3-Q1	0.649		
Mode	0.92		

Extremes

Lowest	Obs	Highest	Obs
0.92(	6)	1.466(	9)
0.935(	10)	1.542(	2)
0.983(	1)	1.632(	8)
1.127(	4)	1.652(	3)
1.368(	5)	1.662(	7)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
  16 356                     3          +-----+                1.7+                          * +*++++*
  14 74                      2          *-----*                   |                      * +*++++
  12 7                       1          |  +  |                1.3+                 +++*+++
  10 3                       1          |     |                   |            ++++++*
   8 248                     3          +-----+                0.9+      ++*++++*  *
     ----+----+----+----+                                          +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-1                                          -2        -1         0        +1        +2
```

NLI 002 1719

Descriptive Statistics by Area
Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=2 ----------

UNIVARIATE PROCEDURE

Variable=LIVER

Moments

N	13	Sum Wgts	13
Mean	1.291769	Sum	16.793
Std Dev	0.39869	Variance	0.158954
Skewness	2.85232	Kurtosis	9.201103
USS	23.60013	CSS	1.907444
CV	30.86387	Std Mean	0.110577
T:Mean=0	11.68211	Prob>|T|	0.0001
Sgn Rank	45.5	Prob>|S|	0.0002
Num ^= 0	13		
W:Normal	0.64844	Prob<W	0.0001

Quantiles(Def=5)

100% Max	2.534	99%	2.534
75% Q3	1.289	95%	2.534
50% Med	1.187	90%	1.426
25% Q1	1.098	10%	1.007
0% Min	0.953	5%	0.953
		1%	0.953
Range	1.581		
Q3-Q1	0.191		
Mode	0.953		

Extremes

Lowest	Obs	Highest	Obs
0.953(	10)	1.261(	8)
1.007(	4)	1.289(	6)
1.089(	7)	1.409(	1)
1.098(	11)	1.426(	5)
1.133(	12)	2.534(	2)

```
Stem Leaf                     #          Boxplot                          Normal Probability Plot
   2 5                        1             *                  2.75+                                  *
   2                                                              |                                   ++++++++
   1                                                           1.75+                        ++++++++++++
   1 001112233344            12          +--+--+                  |           *   *+*+*+*+*+*+*+* *   *
   0                                                           0.75+     ++*+++++++++
     ----+----+----+----+                                         +----+----+----+----+----+----+----+----+----+----+
                                                                     -2        -1         0        +1        +2
```

NLI 002 1720

Descriptive Statistics by Area
Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=3 ----------

UNIVARIATE PROCEDURE

Variable=LIVER

Moments

N	11	Sum Wgts	11
Mean	1.303091	Sum	14.334
Std Dev	0.289616	Variance	0.083877
Skewness	-0.44909	Kurtosis	-0.19459
USS	19.51728	CSS	0.838773
CV	22.22529	Std Mean	0.087322
T:Mean=0	14.92275	Prob>|T|	0.0001
Sgn Rank	33	Prob>|S|	0.0010
Num ^= 0	11		
W:Normal	0.941613	Prob<W	0.5179

Quantiles(Def=5)

100% Max	1.704	99%	1.704
75% Q3	1.617	95%	1.704
50% Med	1.321	90%	1.623
25% Q1	1.091	10%	0.94
0% Min	0.76	5%	0.76
		1%	0.76
Range	0.944		
Q3-Q1	0.526		
Mode	0.76		

Extremes

Lowest	Obs	Highest	Obs
0.76(	6)	1.339(	9)
0.94(	2)	1.36(	7)
1.091(	11)	1.617(	1)
1.28(	4)	1.623(	8)
1.299(	5)	1.704(	10)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
  16 220                     3          +-----+                1.7+                              *   *++++*+
  14                                    |     |                   |                          +++++++
  12 80246                   5          *--+--*                   |                  * +*+*+*+ *
  10 9                       1          +-----+                   |              +++*+++
   8 4                       1             |                      |        ++++++*
   6 6                       1             |                0.7+ +++++++ *
     ----+----+----+----+                                        +----+----+----+----+----+----+----+----+----+----+
 Multiply Stem.Leaf by 10**-1                                        -2        -1         0        +1        +2
```

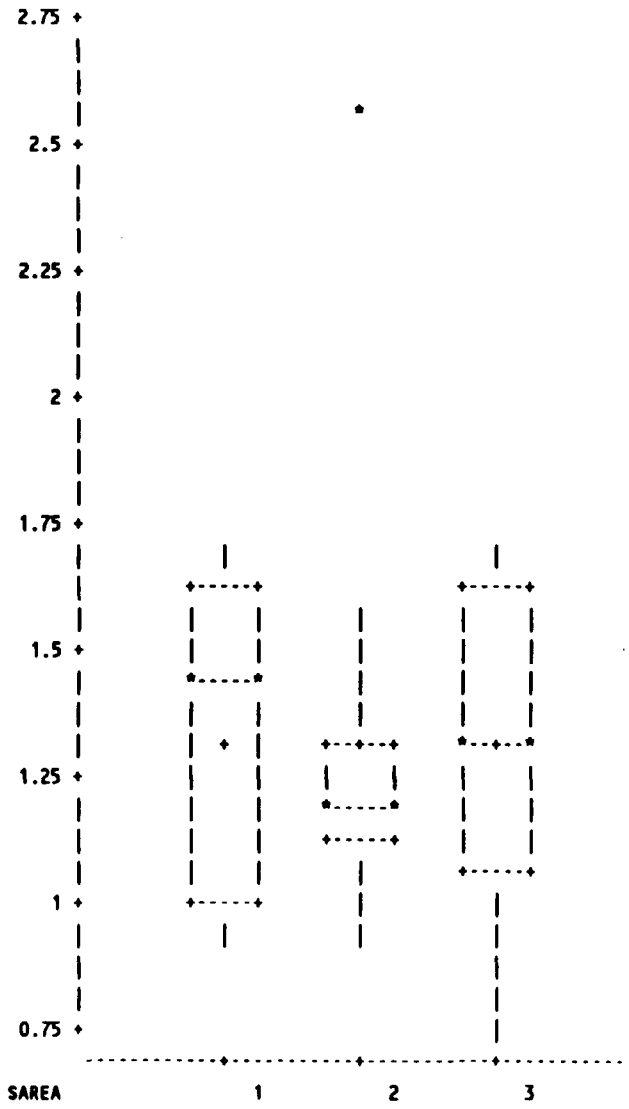
NLI 002 1721

Descriptive Statistics by Area
Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

UNIVARIATE PROCEDURE
Schematic Plots

Variable=LIVER



NLI 002 1722

Descriptive Statistics
Lead: Peromyscus Adults/Subadults/Juveniles
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=1 ----------

UNIVARIATE PROCEDURE

Variable=PB

Moments

N	11	Sum Wgts	11
Mean	1.599091	Sum	17.59
Std Dev	1.066175	Variance	1.136729
Skewness	0.194684	Kurtosis	-1.504
USS	39.4953	CSS	11.36729
CV	66.67382	Std Mean	0.321464
T:Mean=0	4.974403	Prob>|T|	0.0006
Sgn Rank	33	Prob>|S|	0.0010
Num ^= 0	11		
W:Normal	0.930407	Prob<W	0.3963

Quantiles(Def=5)

100% Max	3.3	99%	3.3
75% Q3	2.6	95%	3.3
50% Med	1.6	90%	2.7
25% Q1	0.71	10%	0.4
0% Min	0.2	5%	0.2
		1%	0.2
Range	3.1		
Q3-Q1	1.89		
Mode	0.2		

Extremes

Lowest	Obs	Highest	Obs
0.2(	7)	1.9(	10)
0.4(	6)	2.5(	11)
0.71(	5)	2.6(	8)
0.74(	3)	2.7(	1)
0.94(	4)	3.3(	2)

```
Stem Leaf                 #          Boxplot                          Normal Probability Plot
   3 3                    1             |                 3.25+                                  ++*+
   2 567                  3          +-----+                  |                          * * ++*++
   2                                 |     |                  |                         +++++
   1 69                   2          *--+--*              1.75+                      *+*+
   1                                 |     |                  |                 +++++
   0 779                  3          +-----+                  |             +++*+*  *
   0 24                   2             |                 0.25+        * +++*
     ----+----+----+----+                                     +----+----+----+----+----+----+----+----+----+----+
                                                                 -2        -1         0        +1        +2
```

NLI 002 1723

Descriptive Statistics
Lead: Peromyscus Adults/Subadults/Juveniles
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=2 ----------

UNIVARIATE PROCEDURE

Variable=PB

Moments

N	15	Sum Wgts	15
Mean	3.098	Sum	46.47
Std Dev	3.022686	Variance	9.136631
Skewness	2.874072	Kurtosis	9.075967
USS	271.8769	CSS	127.9128
CV	97.56895	Std Mean	0.780454
T:Mean=0	3.969483	Prob>|T|	0.0014
Sgn Rank	60	Prob>|S|	0.0001
Num ^= 0	15		
W:Normal	0.629015	Prob<W	0.0001

Quantiles(Def=5)

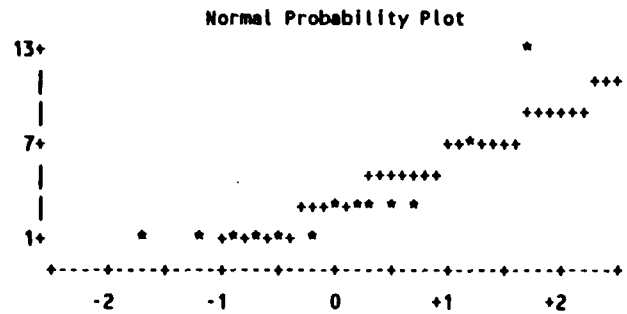
100% Max	13	99%	13
75% Q3	3.4	95%	13
50% Med	2.2	90%	6.1
25% Q1	1.6	10%	1.1
0% Min	0.87	5%	0.87
		1%	0.87
Range	12.13		
Q3-Q1	1.8		
Mode	1.7		

Extremes

Lowest	Obs	Highest	Obs
0.87(	11)	2.9(	5)
1.1(	2)	3.4(	1)
1.5(	15)	3.4(	12)
1.6(	8)	6.1(	10)
1.7(	13)	13(	9)

```
Stem Leaf                     #             Boxplot
  12 0                        1                *
  10
   8
   6 1                        1                |
   4                                           |
   2 238944                   6             +--+--+
   0 9156779                  7             +-----+
     ----+----+----+----+
```

Normal Probability Plot



NLI 002 1724

Descriptive Statistics
Lead: Peromyscus Adults/Subadults/Juveniles
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=3 ----------

UNIVARIATE PROCEDURE

Variable=PB

Moments

N	12	Sum Wgts	12
Mean	4.774167	Sum	57.29
Std Dev	3.494672	Variance	12.21274
Skewness	1.190273	Kurtosis	1.576409
USS	407.8521	CSS	134.3401
CV	73.19963	Std Mean	1.008825
T:Mean=0	4.732403	Prob>|T|	0.0006
Sgn Rank	39	Prob>|S|	0.0005
Num ^= 0	12		
W:Normal	0.90661	Prob<W	0.1840

Quantiles(Def=5)

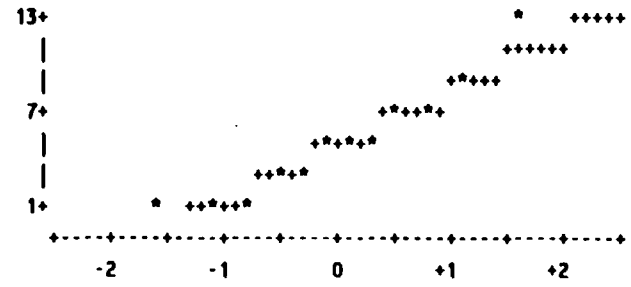
100% Max	13	99%	13
75% Q3	6.7	95%	13
50% Med	4.25	90%	8.3
25% Q1	2.05	10%	1.2
0% Min	0.89	5%	0.89
		1%	0.89
Range	12.11		
Q3-Q1	4.65		
Mode	0.89		

Extremes

Lowest	Obs	Highest	Obs
0.89(	11)	4.6(	5)
1.2(	1)	6.1(	8)
1.5(	10)	7.3(	3)
2.6(	6)	8.3(	12)
3.3(	2)	13(	7)

```
Stem Leaf                     #             Boxplot
  12 0                        1                |
  10                                           |
   8 3                        1                |
   6 13                       2             +-----+
   4 146                      3             *--+--*
   2 63                       2             +-----+
   0 925                      3                |
     ----+----+----+----+
```

Normal Probability Plot



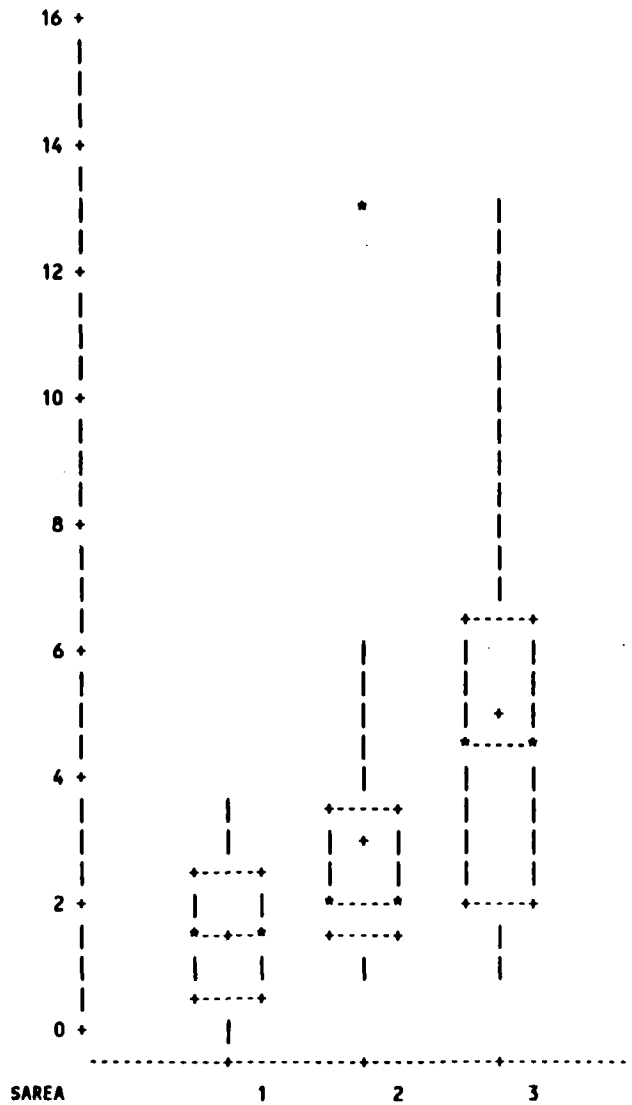
NLI 002 1725

Descriptive Statistics
Lead: Peromyscus Adults/Subadults/Juveniles
National Lead

9:42 Friday, October 30, 1992

UNIVARIATE PROCEDURE
Schematic Plots

Variable=PB



NLI 002 1726

Test for Normality
Log Transform of Lead: Peromyscus Adults
National lead

9:42 Friday, October 30, 1992

UNIVARIATE PROCEDURE

Variable=LOGPB

Moments

N	34	Sum Wgts	34
Mean	0.355187	Sum	12.07637
Std Dev	0.340456	Variance	0.11591
Skewness	0.198711	Kurtosis	0.294507
USS	8.114408	CSS	3.825032
CV	95.85238	Std Mean	0.058388
T:Mean=0	6.083262	Prob>|T|	0.0001
Sgn Rank	259	Prob>|S|	0.0001
Num ^= 0	34		
W:Normal	0.979473	Prob<W	0.8077

Quantiles(Def=5)

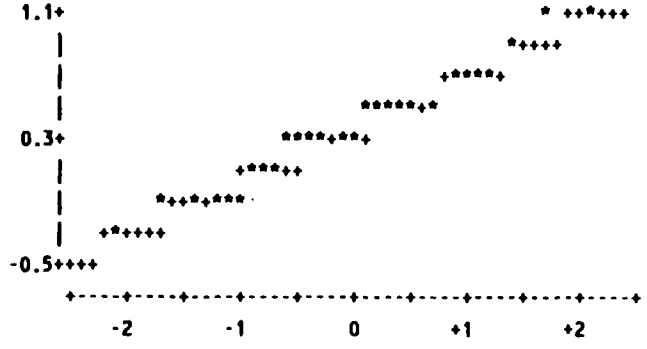
100% Max	1.113943	99%	1.113943
75% Q3	0.531479	95%	1.113943
50% Med	0.379834	90%	0.78533
25% Q1	0.176091	10%	-0.06048
0% Min	-0.39794	5%	-0.14874
		1%	-0.39794
Range	1.511883		
Q3-Q1	0.355388		
Mode	0.20412		

Extremes

Lowest	Obs	Highest	Obs
-0.39794(	6)	0.662758(	28)
-0.14874(	5)	0.78533(	31)
-0.13077(	3)	0.863323(	26)
-0.06048(	20)	1.113943(	19)
-0.05061(	34)	1.113943(	30)

```
Stem Leaf                     #             Boxplot
  10 11                       2                0
   8 6                        1                |
   6 1469                     4                |
   4 0113562233              10             +-----+
   2 00338846                 8             *--+--*
   0 488                      3             +-----+
  -0 53653                    5                |
  -2                                           |
  -4 0                        1                0
     ----+----+----+----+
 Multiply Stem.Leaf by 10**-1
```

Normal Probability Plot



NLI 002 1727

Descriptive Statistics by Area
Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=1 ----------

UNIVARIATE PROCEDURE

Variable=KIDWTOTA

Moments

N	10	Sum Wgts	10
Mean	0.3473	Sum	3.473
Std Dev	0.136716	Variance	0.018691
Skewness	-1.99448	Kurtosis	5.206332
USS	1.374395	CSS	0.168222
CV	39.36547	Std Mean	0.043233
T:Mean=0	8.033125	Prob>|T|	0.0001
Sgn Rank	22.5	Prob>|S|	0.0039
Num ^= 0	9		
W:Normal	0.80194	Prob<W	0.0155

Quantiles(Def=5)

100% Max	0.501	99%	0.501
75% Q3	0.416	95%	0.501
50% Med	0.3675	90%	0.4775
25% Q1	0.326	10%	0.1455
0% Min	0	5%	0
		1%	0
Range	0.501		
Q3-Q1	0.09		
Mode	0		

Extremes

Lowest	Obs	Highest	Obs
0(	6)	0.378(	3)
0.291(	10)	0.404(	5)
0.326(	7)	0.416(	9)
0.346(	4)	0.454(	2)
0.357(	1)	0.501(	8)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   5 0                       1             |                  0.55+                                  +++*+++
   4 025                     3          +-----+                   |                          *++*++*+
   3 3568                    4          *--+--*                   |                *  *++*+*++
   2 9                       1             |                      |              *++++++
   1                                                             |      ++++++++
   0 0                       1             *                  0.05++++++++   *
     ----+----+----+----+                                         +----+----+----+----+----+----+----+----+----+----+
 Multiply Stem.Leaf by 10**-1                                         -2        -1         0        +1        +2
```

NLI 002 1728

Descriptive Statistics by Area
Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=2 ----------

UNIVARIATE PROCEDURE

Variable=KIDWTOTA

Moments

N	13	Sum Wgts	13
Mean	0.380308	Sum	4.944
Std Dev	0.08287	Variance	0.006867
Skewness	0.873352	Kurtosis	0.857543
USS	1.96265	CSS	0.082409
CV	21.79019	Std Mean	0.022984
T:Mean=0	16.54667	Prob>|T|	0.0001
Sgn Rank	45.5	Prob>|S|	0.0002
Num ^= 0	13		
W:Normal	0.889921	Prob<W	0.0950

Quantiles(Def=5)

100% Max	0.539	99%	0.539
75% Q3	0.404	95%	0.539
50% Med	0.361	90%	0.539
25% Q1	0.329	10%	0.322
0% Min	0.245	5%	0.245
		1%	0.245
Range	0.294		
Q3-Q1	0.075		
Mode	0.539		

Extremes

Lowest	Obs	Highest	Obs
0.245(	3)	0.387(	13)
0.322(	12)	0.404(	6)
0.325(	4)	0.423(	9)
0.329(	8)	0.539(	2)
0.35(	1)	0.539(	5)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   5 44                      2             0                0.525+                                  *  ++*+++
   4                                       |                     |                                +++++++
   4 02                      2          +-----+                  |                          +++*+*
   3 55679                   5          *--+--*            0.375+                    *+*+*+* *
   3 223                     3          +-----+                  |            *  +*+*++
   2                                       |                     |         ++++++
   2 4                       1             |                0.225+    ++++*+
     ----+----+----+----+                                        +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-1                                          -2        -1         0        +1        +2
```

NLI 002 1729

Descriptive Statistics by Area
Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=3 ----------

UNIVARIATE PROCEDURE

Variable=KIDWTOTA

Moments

N	11	Sum Wgts	11
Mean	0.369182	Sum	4.061
Std Dev	0.07735	Variance	0.005983
Skewness	-0.11125	Kurtosis	0.106564
USS	1.559077	CSS	0.05983
CV	20.95163	Std Mean	0.023322
T:Mean=0	15.82991	Prob>|T|	0.0001
Sgn Rank	33	Prob>|S|	0.0010
Num ^= 0	11		
W:Normal	0.958254	Prob<W	0.7290

Quantiles(Def=5)

100% Max	0.496	99%	0.496
75% Q3	0.404	95%	0.496
50% Med	0.379	90%	0.473
25% Q1	0.295	10%	0.295
0% Min	0.228	5%	0.228
		1%	0.228
Range	0.268		
Q3-Q1	0.109		
Mode	0.295		

Extremes

Lowest	Obs	Highest	Obs
0.228(	2)	0.383(	8)
0.295(	11)	0.388(	9)
0.295(	7)	0.404(	5)
0.358(	1)	0.473(	3)
0.362(	4)	0.496(	10)

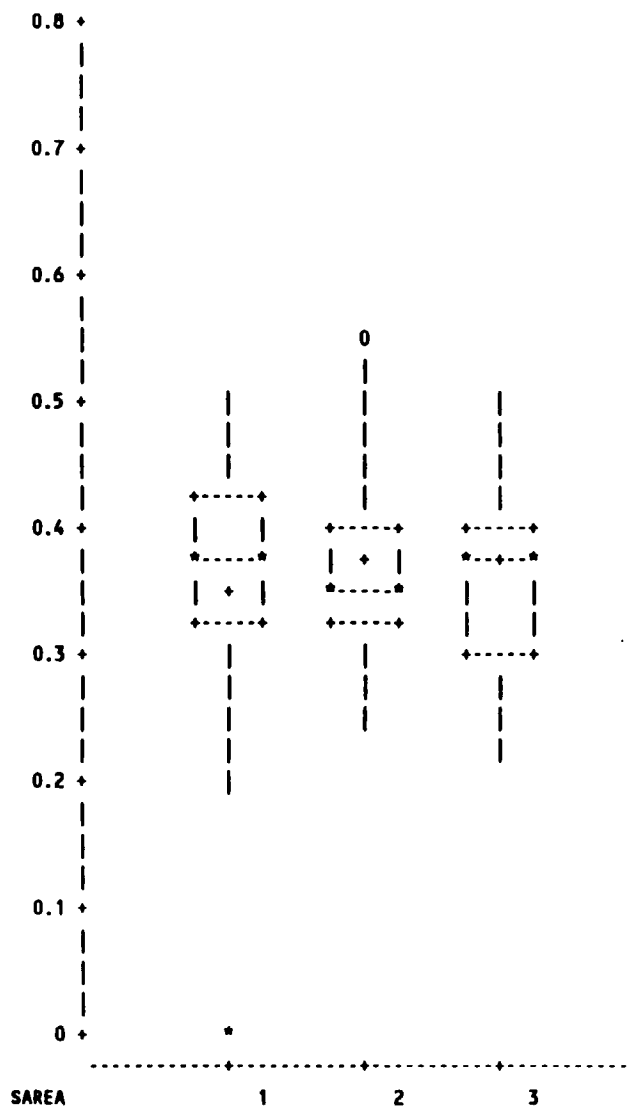
```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   5 0                       1             |                  0.525+                                        +++++++
   4 7                       1             |                       |                                  *++++*
   4 0                       1          +-----+                    |                            +++*+++
   3 66889                   5          *--+--*                0.375+                    *  *+*+*+ *
   3 00                      2          +-----+                    |                 ++++++
   2                                       |                       |           ++++*++ *
   2 3                       1             |                  0.225+    +++++*
     ----+----+----+----+                                          +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-1                                            -2        -1         0        +1        +2
```

NLI 002 1730

Descriptive Statistics by Area
Peromyscus Adults
National Lead

UNIVARIATE PROCEDURE
Schematic Plots

Variable=KIDWTOTA



NLI 002 1731

Descriptive Statistics by Area
Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

SAREA=1

UNIVARIATE PROCEDURE

Variable=SPLEEN

Moments

N	10	Sum Wgts	10
Mean	0.0642	Sum	0.642
Std Dev	0.03063	Variance	0.000938
Skewness	0.663972	Kurtosis	0.040421
USS	0.04966	CSS	0.008444
CV	47.70979	Std Mean	0.009686
T:Mean=0	6.628152	Prob>|T|	0.0001
Sgn Rank	27.5	Prob>|S|	0.0020
Num ^= 0	10		
W:Normal	0.940656	Prob<W	0.5438

Quantiles(Def=5)

100% Max	0.119	99%	0.119
75% Q3	0.073	95%	0.119
50% Med	0.059	90%	0.114
25% Q1	0.045	10%	0.028
0% Min	0.02	5%	0.02
		1%	0.02
Range	0.099		
Q3-Q1	0.028		
Mode	0.02		

Extremes

Lowest	Obs	Highest	Obs
0.02(	10)	0.06(	4)
0.036(	5)	0.07(	8)
0.045(	1)	0.073(	2)
0.052(	7)	0.109(	6)
0.058(	3)	0.119(	9)

```
Stem Leaf                     #             Boxplot
  10 99                       2                0
   8                                           |
   6 003                      3             +--+--+
   4 528                      3             *-----*
   2 06                       2                |
     ----+----+----+----+
  Multiply Stem.Leaf by 10**-2
```

Normal Probability Plot

```
0.11+                                  * +++*+++
    |                              ++++++
0.07+                        ++*++*+ *
    |                   *++*++*
0.03+           *++++*++
    +----+----+----+----+----+----+----+----+----+----+
        -2        -1         0        +1        +2
```

NLI 002 1732

Descriptive Statistics by Area
Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=2 ----------

UNIVARIATE PROCEDURE

Variable=SPLEEN

Moments

N	13	Sum Wgts	13
Mean	0.062385	Sum	0.811
Std Dev	0.032092	Variance	0.00103
Skewness	1.470464	Kurtosis	3.481985
USS	0.062953	CSS	0.012359
CV	51.44283	Std Mean	0.008901
T:Mean=0	7.00885	Prob>|T|	0.0001
Sgn Rank	45.5	Prob>|S|	0.0002
Num ^= 0	13		
W:Normal	0.881366	Prob<W	0.0726

Quantiles(Def=5)

100% Max	0.147	99%	0.147
75% Q3	0.07	95%	0.147
50% Med	0.059	90%	0.091
25% Q1	0.043	10%	0.025
0% Min	0.022	5%	0.022
		1%	0.022
Range	0.125		
Q3-Q1	0.027		
Mode	0.066		

Extremes

Lowest	Obs	Highest	Obs
0.022(	10)	0.066(	7)
0.025(	3)	0.07(	11)
0.04(	13)	0.076(	5)
0.043(	4)	0.091(	9)
0.05(	6)	0.147(	12)

```
Stem Leaf                    #          Boxplot                    Normal Probability Plot
  14 7                       1             0                0.15+                                  *      +
  12                                                           |                                    +++++++
  10                                                           |                                +++++++
   8 1                       1             |                0.09+                          ++++++*
   6 6606                    4          +--+--+                 |                     ++*+*+* *
   4 03069                   5          *-----*                 |                * *+*+*+*
   2 25                      2             |                0.03+        *   +*+++++
     ----+----+----+----+                                       +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-2                                        -2        -1         0        +1        +2
```

NLI 002 1733

Descriptive Statistics by Area
Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=3 ----------

UNIVARIATE PROCEDURE

Variable=SPLEEN

Moments

N	11	Sum Wgts	11
Mean	0.052818	Sum	0.581
Std Dev	0.020395	Variance	0.000416
Skewness	0.908736	Kurtosis	0.24717
USS	0.034847	CSS	0.00416
CV	38.61395	Std Mean	0.006149
T:Mean=0	8.589188	Prob>|T|	0.0001
Sgn Rank	33	Prob>|S|	0.0010
Num ^= 0	11		
W:Normal	0.926413	Prob<W	0.3585

Quantiles(Def=5)

100% Max	0.095	99%	0.095
75% Q3	0.073	95%	0.095
50% Med	0.047	90%	0.074
25% Q1	0.036	10%	0.033
0% Min	0.028	5%	0.028
		1%	0.028
Range	0.067		
Q3-Q1	0.037		
Mode	0.028		

Extremes

Lowest	Obs	Highest	Obs
0.028(	2)	0.051(	8)
0.033(	11)	0.057(	9)
0.036(	6)	0.073(	5)
0.042(	7)	0.074(	3)
0.045(	4)	0.095(	1)

```
Stem Leaf                    #          Boxplot
   9 5                       1             |
   8                                       |
   7 34                      2          +-----+
   6                                    |     |
   5 17                      2          |  +  |
   4 257                     3          *-----*
   3 36                      2          +-----+
   2 8                       1             |
     ----+----+----+----+
Multiply Stem.Leaf by 10**-2
```

Normal Probability Plot

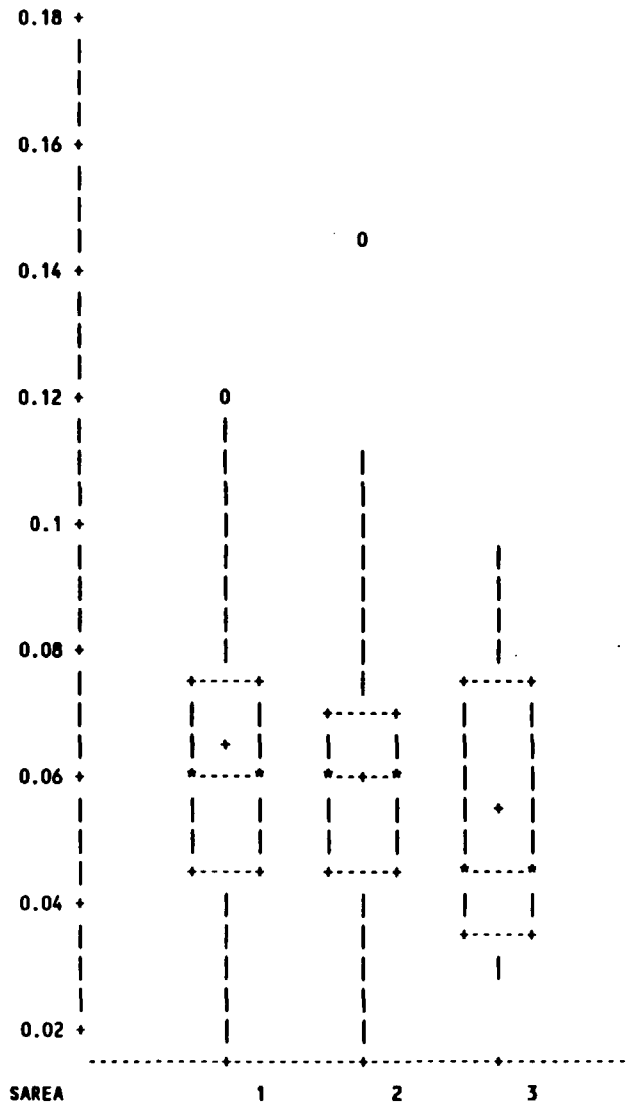
```
0.095+                                                  *  +++++
     |                                                +++++
     |                                          * ++*++
     |                                       +++++
     |                                  +++*+ *
     |                              +*++* *
     |                          *+++*
0.025+                    *++++
     +----+----+----+----+----+----+----+----+----+----+
         -2        -1         0        +1        +2
```

NLI 002 1734

Descriptive Statistics by Area
Peromyscus Adults
National Lead

UNIVARIATE PROCEDURE
Schematic Plots

Variable=SPLEEN



NLI 002 1735

Descriptive Statistics by Area
Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

SAREA=1

UNIVARIATE PROCEDURE

Variable=THYMUS

Moments

N	10	Sum Wgts	10
Mean	0.0063	Sum	0.063
Std Dev	0.008433	Variance	0.000071
Skewness	1.351057	Kurtosis	1.445777
USS	0.001037	CSS	0.00064
CV	133.8635	Std Mean	0.002667
T:Mean=0	2.362315	Prob>|T|	0.0424
Sgn Rank	7.5	Prob>|S|	0.0625
Num ^= 0	5		
W:Normal	0.790316	Prob<W	0.0114

Quantiles(Def=5)

100% Max	0.025	99%	0.025
75% Q3	0.01	95%	0.025
50% Med	0.002	90%	0.0195
25% Q1	0	10%	0
0% Min	0	5%	0
		1%	0
Range	0.025		
Q3-Q1	0.01		
Mode	0		

Extremes

Lowest	Obs	Highest	Obs
0(	10)	0.004(	1)
0(	8)	0.01(	3)
0(	7)	0.01(	5)
0(	6)	0.014(	4)
0(	2)	0.025(	9)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   2 5                       1             |                0.0275+                                  *      +++
   2                                       |                     |                                     ++++++
   1                                       |                     |                                 ++++++
   1 004                     3          +-----+                  |                          *++*++*
   0                                    |  +  |                  |                     ++++++
   0 000004                  6          *-----*            0.0025+          *    *  *++*++* *
     ----+----+----+----+                                       +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-2                                        -2        -1         0        +1        +2
```

NLI 002 1736

Descriptive Statistics by Area
Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

SAREA=2

UNIVARIATE PROCEDURE

Variable=THYMUS

Moments

N	13	Sum Wgts	13
Mean	0.008	Sum	0.104
Std Dev	0.009247	Variance	0.000086
Skewness	0.771349	Kurtosis	-0.87688
USS	0.001858	CSS	0.001026
CV	115.5828	Std Mean	0.002565
T:Mean=0	3.119454	Prob>|T|	0.0089
Sgn Rank	14	Prob>|S|	0.0156
Num ^= 0	7		
W:Normal	0.812386	Prob<W	0.0086

Quantiles(Def=5)

100% Max	0.024	99%	0.024
75% Q3	0.012	95%	0.024
50% Med	0.008	90%	0.023
25% Q1	0	10%	0
0% Min	0	5%	0
		1%	0
Range	0.024		
Q3-Q1	0.012		
Mode	0		

Extremes

Lowest	Obs	Highest	Obs
0(	13)	0.009(	5)
0(	11)	0.012(	6)
0(	10)	0.02(	1)
0(	7)	0.023(	9)
0(	4)	0.024(	12)

```
Stem Leaf                     #             Boxplot
   2 034                      3                |
   1                                           |
   1 2                        1             +-----+
   0 889                      3             *--+--*
   0 000000                   6             +-----+
     ----+----+----+----+
 Multiply Stem.Leaf by 10**-2
```

Normal Probability Plot

```
0.0225+                                *   *++++*+
      |                                +++++
0.0125+                           +++*+
      |                      +++*+* *
0.0025+        *    *   *+*+* *
       +----+----+----+----+----+----+----+----+----+----+
           -2        -1        0        +1        +2
```

NLI 002 1737

Descriptive Statistics by Area
Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

SAREA=3

UNIVARIATE PROCEDURE

Variable=THYMUS

Moments

N	11	Sum Wgts	11
Mean	0.007	Sum	0.077
Std Dev	0.008149	Variance	0.000066
Skewness	0.880973	Kurtosis	-0.29688
USS	0.001203	CSS	0.000664
CV	116.4089	Std Mean	0.002457
T:Mean=0	2.849117	Prob>|T|	0.0173
Sgn Rank	10.5	Prob>|S|	0.0313
Num ^= 0	6		
W:Normal	0.843638	Prob<W	0.0362

Quantiles(Def=5)

100% Max	0.023	99%	0.023
75% Q3	0.012	95%	0.023
50% Med	0.006	90%	0.018
25% Q1	0	10%	0
0% Min	0	5%	0
		1%	0
Range	0.023		
Q3-Q1	0.012		
Mode	0		

Extremes

Lowest	Obs	Highest	Obs
0(	8)	0.007(	4)
0(	7)	0.011(	5)
0(	6)	0.012(	9)
0(	2)	0.018(	3)
0(	1)	0.023(	11)

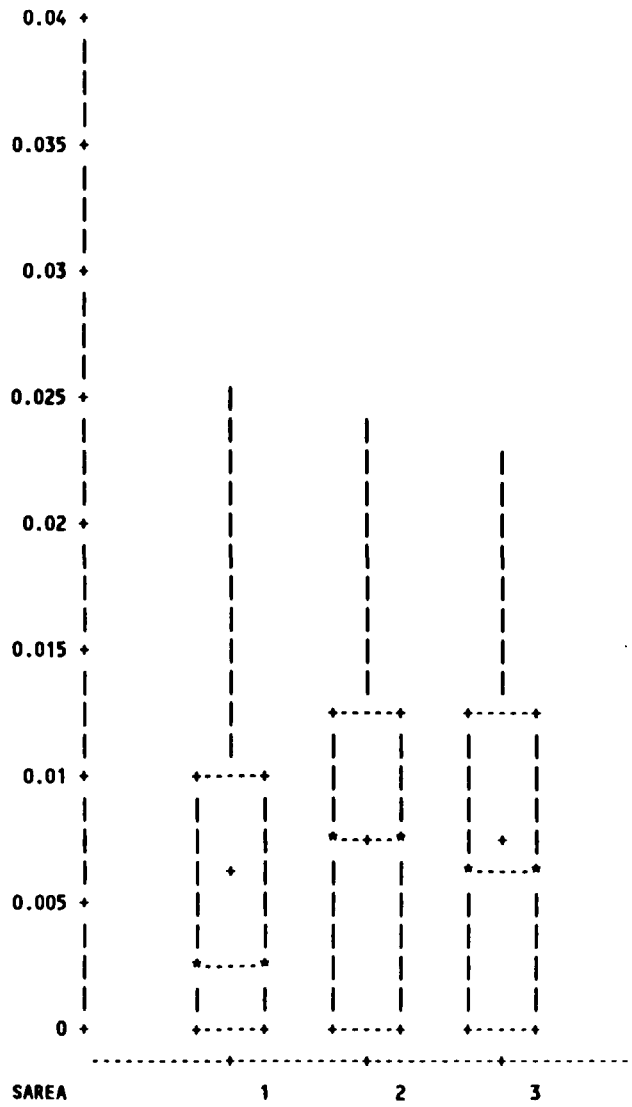
```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   2 3                       1             |                0.0225+                                  *++++++
   1 8                       1             |                      |                              +*++++
   1 12                      2          +-----+             0.0125+                         +*+*++
   0 67                      2          *--+--*                   |                     ++*+*+
   0 00000                   5          +-----+             0.0025+        *    *  +*+*++*
     ----+----+----+----+                                        +----+----+----+----+----+----+----+----+----+----+
 Multiply Stem.Leaf by 10**-2                                        -2        -1         0        +1        +2
```

NLI 002 1738

Descriptive Statistics by Area
Peromyscus Adults
National Lead

UNIVARIATE PROCEDURE
Schematic Plots

Variable=THYMUS



NLI 002 1739

Descriptive Statistics by Area
Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=1 ----------

UNIVARIATE PROCEDURE

Variable=ADRENALS

Moments

N	10	Sum Wgts	10
Mean	0.0096	Sum	0.096
Std Dev	0.00662	Variance	0.000044
Skewness	0.293926	Kurtosis	-0.68252
USS	0.001316	CSS	0.000394
CV	68.95662	Std Mean	0.002093
T:Mean=0	4.585894	Prob>|T|	0.0013
Sgn Rank	22.5	Prob>|S|	0.0039
Num ^= 0	9		
W:Normal	0.957078	Prob<W	0.7383

Quantiles(Def=5)

100% Max	0.02	99%	0.02
75% Q3	0.014	95%	0.02
50% Med	0.0085	90%	0.0195
25% Q1	0.005	10%	0.001
0% Min	0	5%	0
		1%	0
Range	0.02		
Q3-Q1	0.009		
Mode	0.008		

Extremes

Lowest	Obs	Highest	Obs
0(	7)	0.009(	3)
0.002(	10)	0.011(	1)
0.005(	5)	0.014(	4)
0.008(	9)	0.019(	6)
0.008(	2)	0.02(	8)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   2 0                       1             |                0.0225+                                  *++++++++
   1 9                       1             |                      |                              +*+++++
   1 14                      2          +--+--+             0.0125+                        +++*++*+
   0 5889                    4          *-----*                   |                 *++*++++*
   0 02                      2             |                0.0025+          *++++*+++
     ----+----+----+----+                                        +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-2                                        -2        -1         0        +1        +2
```

NLI 002 1740

Descriptive Statistics by Area
Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=2 ----------

UNIVARIATE PROCEDURE

Variable=ADRENALS

Moments

N	13	Sum Wgts	13
Mean	0.007385	Sum	0.096
Std Dev	0.004805	Variance	0.000023
Skewness	0.689309	Kurtosis	0.017713
USS	0.000986	CSS	0.000277
CV	65.07013	Std Mean	0.001333
T:Mean=0	5.541024	Prob>|T|	0.0001
Sgn Rank	39	Prob>|S|	0.0005
Num ^= 0	12		
W:Normal	0.920247	Prob<W	0.2432

Quantiles(Def=5)

100% Max	0.016	99%	0.016
75% Q3	0.008	95%	0.016
50% Med	0.007	90%	0.016
25% Q1	0.005	10%	0.003
0% Min	0	5%	0
		1%	0
Range	0.016		
Q3-Q1	0.003		
Mode	0.003		

Extremes

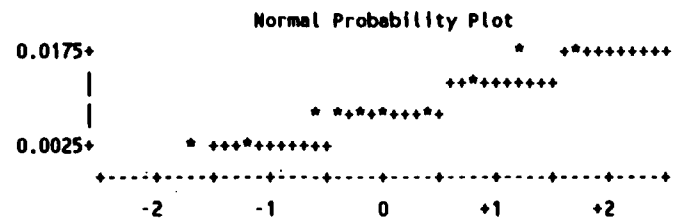
Lowest	Obs	Highest	Obs
0(	10)	0.008(	7)
0.003(	12)	0.008(	8)
0.003(	4)	0.012(	2)
0.005(	3)	0.016(	5)
0.005(	1)	0.016(	13)

Stem	Leaf	#	Boxplot
1	66	2	0
1	2	1	|
0	5567788	7	+--+--+
0	033	3	0

----+----+----+----+

Multiply Stem.Leaf by 10**-2

Normal Probability Plot



NLI 002 1741

Descriptive Statistics by Area
Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=3 ----------

UNIVARIATE PROCEDURE

Variable=ADRENALS

Moments

N	11	Sum Wgts	11
Mean	0.007818	Sum	0.086
Std Dev	0.003488	Variance	0.000012
Skewness	0.202866	Kurtosis	-0.87423
USS	0.000794	CSS	0.000122
CV	44.60936	Std Mean	0.001052
T:Mean=0	7.434819	Prob>|T|	0.0001
Sgn Rank	33	Prob>|S|	0.0010
Num ^= 0	11		
W:Normal	0.944069	Prob<W	0.5473

Quantiles(Def=5)

100% Max	0.014	99%	0.014
75% Q3	0.011	95%	0.014
50% Med	0.009	90%	0.011
25% Q1	0.004	10%	0.004
0% Min	0.003	5%	0.003
		1%	0.003
Range	0.011		
Q3-Q1	0.007		
Mode	0.009		

Extremes

Lowest	Obs	Highest	Obs
0.003(	2)	0.009(	9)
0.004(	6)	0.009(	11)
0.004(	4)	0.011(	7)
0.006(	8)	0.011(	10)
0.006(	5)	0.014(	1)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
  14 0                       1             |                0.015+                                  * ++++++
  12                                       |                     |                                ++++++
  10 00                      2          +-----+                  |                            *+++*
   8 000                     3          *-----*             0.009+                       *+*++*+
   6 00                      2          |  +  |                  |                  *++*++
   4 00                      2          +-----+                  |             *+++*+
   2 0                       1             |                0.003+         *+++++
     ----+----+----+----+                                       +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-3                                        -2        -1         0        +1        +2
```

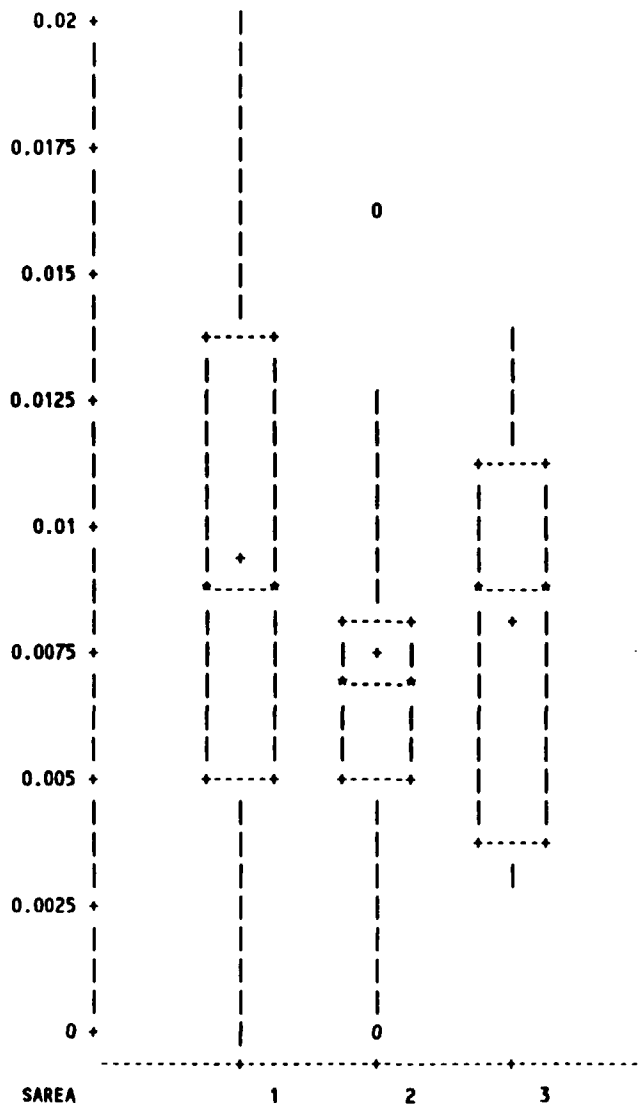
NLI 002 1742

Descriptive Statistics by Area
Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

UNIVARIATE PROCEDURE
Schematic Plots

Variable=ADRENALS



NLI 002 1743

---------- SAREA=1 ----------

UNIVARIATE PROCEDURE

Variable=WEIGHT

Moments

N	10	Sum Wgts	10
Mean	22.0489	Sum	220.489
Std Dev	3.018611	Variance	9.112011
Skewness	0.660307	Kurtosis	-0.9529
USS	4943.548	CSS	82.00809
CV	13.69053	Std Mean	0.954569
T:Mean=0	23.09829	Prob>|T|	0.0001
Sgn Rank	27.5	Prob>|S|	0.0020
Num ^= 0	10		
W:Normal	0.91505	Prob<W	0.3041

Quantiles(Def=5)

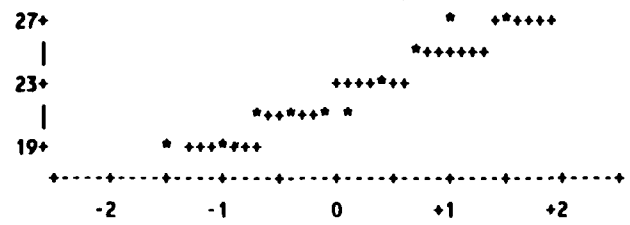
100% Max	27.214	99%	27.214
75% Q3	24.79	95%	27.214
50% Med	21.071	90%	26.6145
25% Q1	20.041	10%	18.803
0% Min	18.48	5%	18.48
		1%	18.48
Range	8.734		
Q3-Q1	4.749		
Mode	18.48		

Extremes

Lowest	Obs	Highest	Obs
18.48(	6)	21.732(	7)
19.126(	1)	22.562(	8)
20.041(	10)	24.79(	9)
20.119(	4)	26.015(	2)
20.41(	5)	27.214(	3)

```
Stem Leaf                     #             Boxplot
  26 02                       2                |
  24 8                        1             +-----+
  22 6                        1             |  +  |
  20 0147                     4             *-----*
  18 51                       2                |
     ----+----+----+----+
```

Normal Probability Plot



Descriptive Statistics by Area
Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=2 ----------

UNIVARIATE PROCEDURE

Variable=WEIGHT

Moments

N	13	Sum Wgts	13
Mean	22.139	Sum	287.807
Std Dev	4.528467	Variance	20.50701
Skewness	1.011467	Kurtosis	4.594395
USS	6617.843	CSS	246.0841
CV	20.4547	Std Mean	1.255971
T:Mean=0	17.627	Prob>|T|	0.0001
Sgn Rank	45.5	Prob>|S|	0.0002
Num ^= 0	13		
W:Normal	0.835093	Prob<W	0.0172

Quantiles(Def=5)

100% Max	34.007	99%	34.007
75% Q3	23.466	95%	34.007
50% Med	21.551	90%	23.8
25% Q1	20.263	10%	18.937
0% Min	13.338	5%	13.338
		1%	13.338
Range	20.669		
Q3-Q1	3.203		
Mode	13.338		

Extremes

Lowest	Obs	Highest	Obs
13.338(	7)	23.04(	8)
18.937(	3)	23.466(	9)
20.146(	12)	23.796(	5)
20.263(	6)	23.8(	13)
21.24(	10)	34.007(	2)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   3 4                       1             *                  32.5+                                        *++++++++
   2                                                              |                                 +++++++++++
   2 0011233344             10          +--+--+               22.5+                  * * *+*+*+*+*+* *   *
   1 9                       1             |                    |            +++*+++++++
   1 3                       1             0                  12.5+++++++++*+
     ----+----+----+----+                                        +----+----+----+----+----+----+----+----+----+----+
 Multiply Stem.Leaf by 10**+1                                        -2        -1         0        +1        +2
```

NLI 002 1745

Descriptive Statistics by Area
Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=3 ----------

UNIVARIATE PROCEDURE

Variable=WEIGHT

Moments

N	11	Sum Wgts	11
Mean	22.69691	Sum	249.666
Std Dev	3.53257	Variance	12.47905
Skewness	-0.54723	Kurtosis	0.689675
USS	5791.437	CSS	124.7905
CV	15.5641	Std Mean	1.06511
T:Mean=0	21.30945	Prob>|T|	0.0001
Sgn Rank	33	Prob>|S|	0.0010
Num ^= 0	11		
W:Normal	0.921182	Prob<W	0.3134

Quantiles(Def=5)

100% Max	28.749	99%	28.749
75% Q3	24.537	95%	28.749
50% Med	23.982	90%	24.641
25% Q1	21.001	10%	17.713
0% Min	15.913	5%	15.913
		1%	15.913
Range	12.836		
Q3-Q1	3.536		
Mode	15.913		

Extremes

Lowest	Obs	Highest	Obs
15.913(	2)	24.054(	5)
17.713(	11)	24.35(	1)
21.001(	6)	24.537(	8)
21.726(	4)	24.641(	3)
23(	9)	28.749(	7)

```
Stem Leaf                  #          Boxplot
  28 7                     1             |
  26                                     |
  24 01456                 5          +-----+
  22 0                     1          |  +  |
  20 07                    2          +-----+
  18                                     |
  16 7                     1             |
  14 9                     1             |
     ----+----+----+----+
```

Normal Probability Plot

```
29+                                                  *++++
  |                                            ++++++
  |                                   * +*+*++ *
  |                              *+*+++
  |                         *+*+++
  |                    ++++++
  |               +++++  *
15+ ++++++  *
    +----+----+----+----+----+----+----+----+----+----+
        -2        -1         0        +1        +2
```

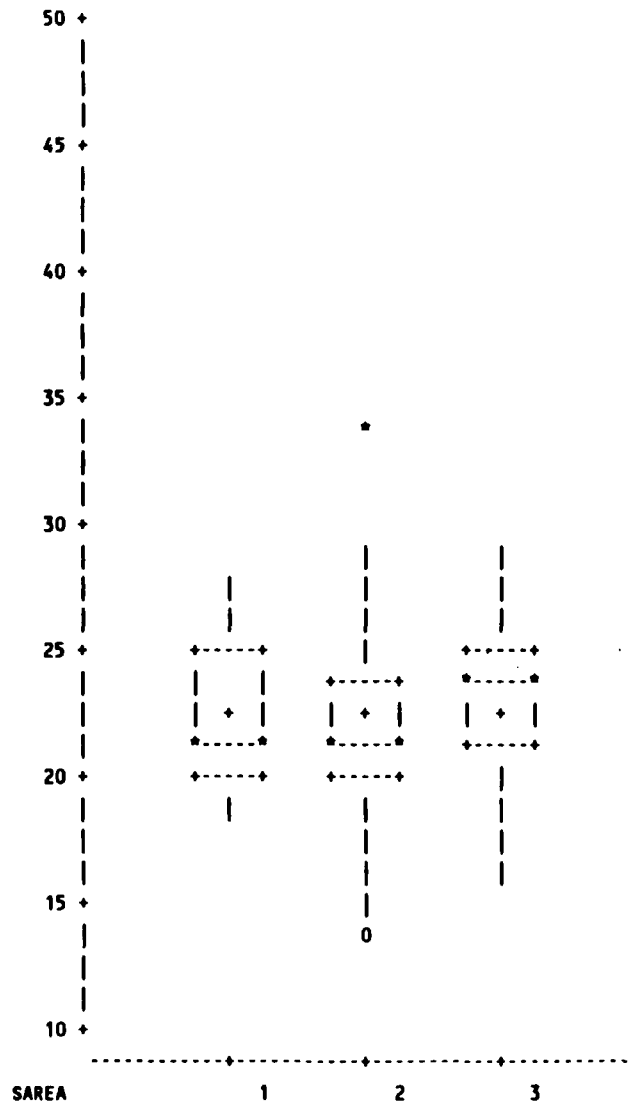
NLI 002 1746

Descriptive Statistics by Area
Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

UNIVARIATE PROCEDURE
Schematic Plots

Variable=WEIGHT



NLI 002 1747

Descriptive Statistics by Area
Peromyscus Adults: Females
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=1 ----------

UNIVARIATE PROCEDURE

Variable=UTERUSWT

Moments

N	6	Sum Wgts	6
Mean	0.197833	Sum	1.187
Std Dev	0.288272	Variance	0.083101
Skewness	1.867389	Kurtosis	3.459263
USS	0.650331	CSS	0.415503
CV	145.7144	Std Mean	0.117686
T:Mean=0	1.681021	Prob>|T|	0.1536
Sgn Rank	5	Prob>|S|	0.1250
Num ^= 0	4		
W:Normal	0.758485	Prob<W	0.0243

Quantiles(Def=5)

100% Max	0.749	99%	0.749
75% Q3	0.275	95%	0.749
50% Med	0.0815	90%	0.749
25% Q1	0	10%	0
0% Min	0	5%	0
		1%	0
Range	0.749		
Q3-Q1	0.275		
Mode	0		

Extremes

Lowest	Obs	Highest	Obs
0(	3)	0(	3)
0(	1)	0.067(	4)
0.067(	4)	0.096(	2)
0.096(	2)	0.275(	5)
0.275(	5)	0.749(	6)

```
Stem Leaf                    #        Boxplot                    Normal Probability Plot
   6 5                       1           0                 0.7+                                  *+++++++
   4                                     |                    |                              ++++++
   2 8                       1        +--+--+                 |                       +++++*+
   0 0070                    4        *-----*              0.1+          *      *+++*++ *
     ----+----+----+----+                                    +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-1                                     -2        -1         0        +1        +2
```

NLI 002 1748

Descriptive Statistics by Area
Peromyscus Adults: Females
National Lead

9:42 Friday, October 30, 1992

SAREA=2

UNIVARIATE PROCEDURE

Variable=UTERUSWT

Moments

N	5	Sum Wgts	5
Mean	0.0908	Sum	0.454
Std Dev	0.091297	Variance	0.008335
Skewness	0.201956	Kurtosis	-1.6075
USS	0.074564	CSS	0.033341
CV	100.5477	Std Mean	0.040829
T:Mean=0	2.223888	Prob>|T|	0.0902
Sgn Rank	3	Prob>|S|	0.2500
Num ^= 0	3		
W:Normal	0.900051	Prob<W	0.4073

Quantiles(Def=5)

100% Max	0.212	99%	0.212
75% Q3	0.134	95%	0.212
50% Med	0.108	90%	0.212
25% Q1	0	10%	0
0% Min	0	5%	0
		1%	0
Range	0.212		
Q3-Q1	0.134		
Mode	0		

Extremes

Lowest	Obs	Highest	Obs
0(	3)	0(	2)
0(	2)	0(	3)
0.108(	5)	0.108(	5)
0.134(	4)	0.134(	4)
0.212(	1)	0.212(	1)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   2 1                       1             |                  0.225+                                *+++++
   1                                       |                       |                           +++++
   1 13                      2          +-----+               0.125+                      * +++*+
   0                                    |  +  |                    |                  ++++++
   0 00                      2          +-----+               0.025+            *  ++++*
     ----+----+----+----+                                          +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-1                                          -2        -1         0        +1        +2
```

NLI 002 1749

Descriptive Statistics by Area
Peromyscus Adults: Females
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=3 ----------

UNIVARIATE PROCEDURE

Variable=UTERUSWT

Moments

N	4	Sum Wgts	4
Mean	0.00475	Sum	0.019
Std Dev	0.0095	Variance	0.00009
Skewness	2	Kurtosis	4
USS	0.000361	CSS	0.000271
CV	200	Std Mean	0.00475
T:Mean=0	1	Prob>|T|	0.3910
Sgn Rank	0.5	Prob>|S|	1.0000
Num ^= 0	1		
W:Normal	0.629658	Prob<W	0.0

Quantiles(Def=5)

100% Max	0.019	99%	0.019
75% Q3	0.0095	95%	0.019
50% Med	0	90%	0.019
25% Q1	0	10%	0
0% Min	0	5%	0
		1%	0
Range	0.019		
Q3-Q1	0.0095		
Mode	0		

Extremes

Lowest	Obs	Highest	Obs
0(	4)	.(	)
0(	2)	0(	1)
0(	1)	0(	2)
0.019(	3)	0(	4)
.(	)	0.019(	3)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   1 9                       1             |                0.0175+                                *++++++
   1                                   +-----+                   |                            +++++
   0                                   |  +  |                   |                        +++++
   0 000                     3         *-----*            0.0025+              *    ++*+++  *
     ----+----+----+----+                                       +----+----+----+----+----+----+----+----+----+----+
 Multiply Stem.Leaf by 10**-2                                        -2        -1         0        +1        +2
```

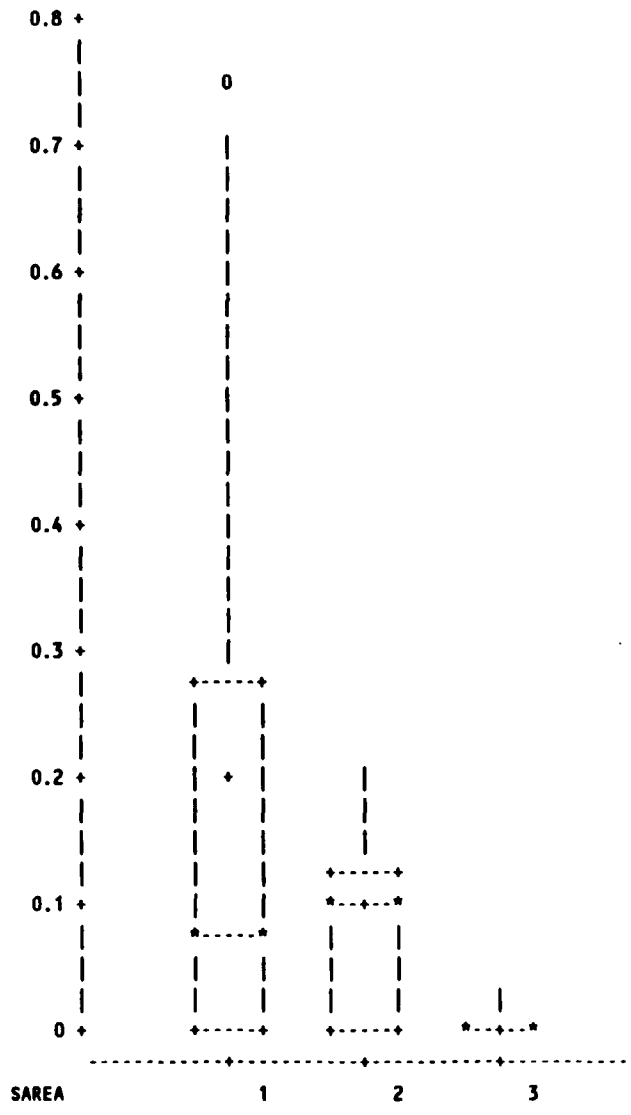
NLI 002 1750

Descriptive Statistics by Area
Peromyscus Adults: Females
National Lead

9:42 Friday, October 30, 1992

UNIVARIATE PROCEDURE
Schematic Plots

Variable=UTERUSWT



NLI 002 1751

Descriptive Statistics by Area
Peromyscus Adults: Males
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=1 ----------

UNIVARIATE PROCEDURE

Variable=TESTISTO

Moments

N	4	Sum Wgts	4
Mean	0.3335	Sum	1.334
Std Dev	0.279347	Variance	0.078035
Skewness	-0.36197	Kurtosis	-2.80076
USS	0.678994	CSS	0.234105
CV	83.76235	Std Mean	0.139674
T:Mean=0	2.387707	Prob>|T|	0.0969
Sgn Rank	3	Prob>|S|	0.2500
Num ˙= 0	3		
W:Normal	0.944419	Prob<W	0.6539

Quantiles(Def=5)

100% Max	0.612	99%	0.612
75% Q3	0.5605	95%	0.612
50% Med	0.361	90%	0.612
25% Q1	0.1065	10%	0
0% Min	0	5%	0
		1%	0
Range	0.612		
Q3-Q1	0.454		
Mode	0		

Extremes

Lowest	Obs	Highest	Obs
0(	2)	.(	)
0.213(	3)	0(	2)
0.509(	4)	0.213(	3)
0.612(	1)	0.509(	4)
.(	)	0.612(	1)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   6 1                       1             |                  0.65+                                *+++
   5 1                       1          +-----+                  |                          *  ++++
   4                                    |     |                  |                          +++
   3                                    *--+--*                0.35+                     ++++
   2 1                       1          |     |                  |                   +*+
   1                                    +-----+                  |               ++++
   0 0                       1             |                  0.05+             +*+
     ----+----+----+----+                                        +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-1                                        -2        -1         0        +1        +2
```

NLI 002 1752

Descriptive Statistics by Area
Peromyscus Adults: Males
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=2 ----------

UNIVARIATE PROCEDURE

Variable=TESTISTO

Moments

N	8	Sum Wgts	8
Mean	0.476375	Sum	3.811
Std Dev	0.238961	Variance	0.057103
Skewness	-1.27605	Kurtosis	1.372972
USS	2.215183	CSS	0.399718
CV	50.16246	Std Mean	0.084486
T:Mean=0	5.638534	Prob>|T|	0.0008
Sgn Rank	14	Prob>|S|	0.0156
Num ^= 0	7		
W:Normal	0.886366	Prob<W	0.2200

Quantiles(Def=5)

100% Max	0.734	99%	0.734
75% Q3	0.642	95%	0.734
50% Med	0.5215	90%	0.734
25% Q1	0.375	10%	0
0% Min	0	5%	0
		1%	0
Range	0.734		
Q3-Q1	0.267		
Mode	0		

Extremes

Lowest	Obs	Highest	Obs
0(	4)	0.507(	1)
0.261(	7)	0.536(	3)
0.489(	5)	0.626(	6)
0.507(	1)	0.658(	2)
0.536(	3)	0.734(	8)

```
Stem Leaf                     #          Boxplot                          Normal Probability Plot
   6 363                      3          +-----+                0.7+                          *+++*++++*
   4 914                      3          *--+--*                   |                  * +*+++*+++
   2 6                        1          +-----+                   |             ++*+++++
   0 0                        1             |                  0.1+     +++++*++
     ----+----+----+----+                                        +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-1                                        -2        -1         0        +1        +2
```

NLI 002 1753

Descriptive Statistics by Area
Peromyscus Adults: Males
National Lead

9:42 Friday, October 30, 1992

---------- SAREA=3 ----------

UNIVARIATE PROCEDURE

Variable=TESTISTO

Moments

N	7	Sum Wgts	7
Mean	0.491571	Sum	3.441
Std Dev	0.126099	Variance	0.015901
Skewness	-0.24309	Kurtosis	-1.30206
USS	1.786903	CSS	0.095406
CV	25.65222	Std Mean	0.047661
T:Mean=0	10.31393	Prob>|T|	0.0001
Sgn Rank	14	Prob>|S|	0.0156
Num ^= 0	7		
W:Normal	0.929415	Prob<W	0.5644

Quantiles(Def=5)

100% Max	0.663	99%	0.663
75% Q3	0.578	95%	0.663
50% Med	0.543	90%	0.663
25% Q1	0.346	10%	0.322
0% Min	0.322	5%	0.322
		1%	0.322
Range	0.341		
Q3-Q1	0.232		
Mode	0.322		

Extremes

Lowest	Obs	Highest	Obs
0.322(	1)	0.44(	3)
0.346(	7)	0.543(	5)
0.44(	3)	0.549(	4)
0.543(	5)	0.578(	2)
0.549(	4)	0.663(	6)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   6 6                       1             |                0.675+                                  +*++
   6                                       |                     |                              ++++
   5 58                      2          +-----+                  |                          +++*
   5 4                       1          *-----*                  |                      *+++*
   4                                    |  +  |                  |                  ++++
   4 4                       1          |     |                  |              +++*
   3 5                       1          +-----+                  |           ++++
   3 2                       1             |                0.325+        +*++   *
     ----+----+----+----+                                        +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-1                                        -2        -1         0        +1        +2
```

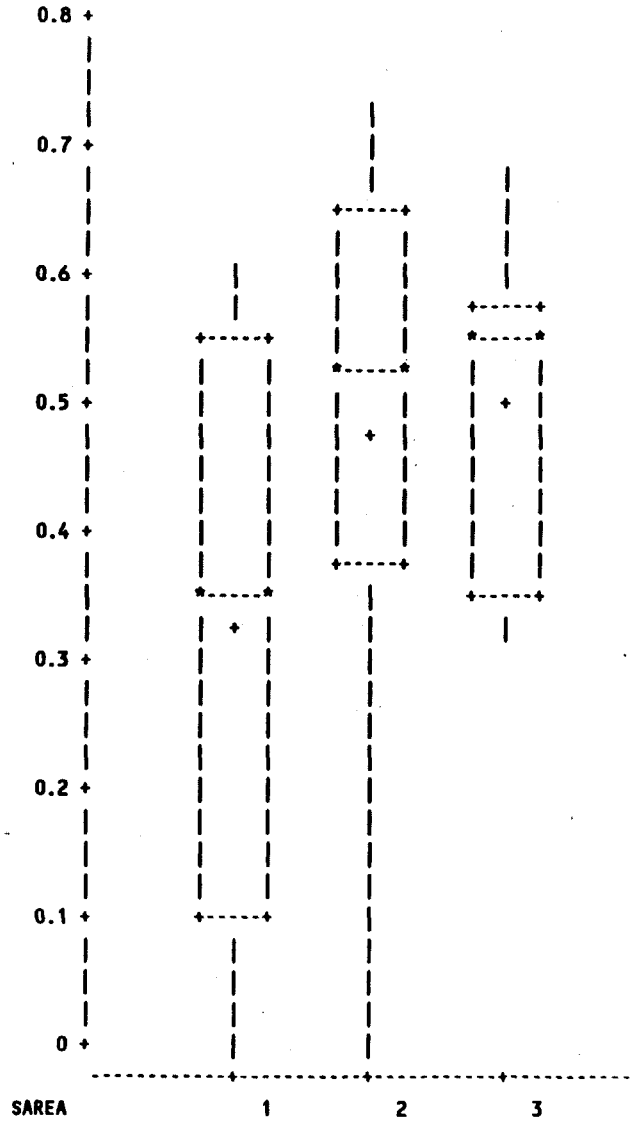
NLI 002 1754

Descriptive Statistics by Area
Peromyscus Adults: Males
National Lead

9:42 Friday, October 30, 1992

UNIVARIATE PROCEDURE
Schematic Plots

Variable=TESTISTO



NLI 002 1755

Test of Slopes (Prerequisite for ANCOVA)
Peromyscus Adults: Female
National Lead

General Linear Models Procedure
Class Level Information

Class	Levels	Values
SAREA	3	1 2 3

Number of observations in data set = 15

NLI 002 1756

Test of Slopes (Prerequisite for ANCOVA)
Peromyscus Adults: Female
National Lead

General Linear Models Procedure
General Form of Estimable Functions

Effect		Coefficients
SAREA	1	L1
	2	L2
	3	L3
WEIGHT*SAREA	1	L4
	2	L5
	3	L6

NLI 002 1757

Test of Slopes (Prerequisite for ANCOVA)
Peromyscus Adults: Female
National Lead

General Linear Models Procedure

Dependent Variable: UTERUSWT

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	6	0.30571660	0.05095277	1.09	0.4340
Error	9	0.41953940	0.04661549		
Uncorrected Total	15	0.72525600			

R-Square	C.V.	Root MSE	UTERUSWT Mean
0.225298	195.0960	0.21590620	0.11066667

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SAREA	3	0.27614162	0.09204721	1.97	0.1884
WEIGHT*SAREA	3	0.02957498	0.00985833	0.21	0.8860

Source	DF	Type III SS	Mean Square	F Value	Pr > F
SAREA	3	0.02499989	0.00833330	0.18	0.9081
WEIGHT*SAREA	3	0.02957498	0.00985833	0.21	0.8860

Parameter		Estimate	T for H0: Parameter=0	Pr > |T|	Std Error of Estimate
SAREA	1	-.2804372793	-0.42	0.6839	0.66678023
	2	0.1928322925	0.60	0.5639	0.32188745
	3	0.0325288008	0.02	0.9822	1.41686963
WEIGHT*SAREA	1	0.0221551502	0.72	0.4877	0.03061650
	2	-.0047195221	-0.33	0.7473	0.01420331
	3	-.0010934599	-0.02	0.9847	0.05561027

Test of Slopes (Prerequisite for ANCOVA)
Peromyscus Adults: Male
National Lead

General Linear Models Procedure
Class Level Information

Class	Levels	Values
SAREA	3	1 2 3

Number of observations in data set = 19

NLI 002 1759

Test of Slopes (Prerequisite for ANCOVA)
Peromyscus Adults: Male
National Lead

General Linear Models Procedure
General Form of Estimable Functions

Effect		Coefficients
SAREA	1	L1
	2	L2
	3	L3
WEIGHT*SAREA	1	L4
	2	L5
	3	L6

NLI 002 1760

Test of Slopes (Prerequisite for ANCOVA)
Peromyscus Adults: Male
National Lead

General Linear Models Procedure

Dependent Variable: TESTISTO

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	6	4.09445560	0.68240927	15.12	0.0001
Error	13	0.58662440	0.04512495		
Uncorrected Total	19	4.68108000			

R-Square	C.V.	Root MSE	TESTISTO Mean
0.267737	47.00793	0.21242635	0.45189474

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SAREA	3	3.95185141	1.31728380	29.19	0.0001
WEIGHT*SAREA	3	0.14260419	0.04753473	1.05	0.4022

Source	DF	Type III SS	Mean Square	F Value	Pr > F
SAREA	3	0.03097619	0.01032540	0.23	0.8747
WEIGHT*SAREA	3	0.14260419	0.04753473	1.05	0.4022

Parameter		Estimate	T for H0: Parameter=0	Pr > |T|	Std Error of Estimate
SAREA	1	-.4996719967	-0.55	0.5890	0.90206827
	2	-.6431412701	-0.48	0.6380	1.33513422
	3	-.2185529672	-0.38	0.7071	0.56889310
WEIGHT*SAREA	1	0.0366370361	0.93	0.3693	0.03939069
	2	0.0498362936	0.84	0.4162	0.05934062
	3	0.0335760751	1.26	0.2295	0.02662915

NLI 002 1761

Test of Slopes (Prerequisite for ANCOVA)
Peromyscus Adults
National Lead

General Linear Models Procedure
Class Level Information

Class	Levels	Values
SAREA	3	1 2 3

Number of observations in data set = 34

NLI 002 1762

Test of Slopes (Prerequisite for ANCOVA)
Peromyscus Adults
National Lead

General Linear Models Procedure
General Form of Estimable Functions

fect		Coefficients
REA	1	L1
	2	L2
	3	L3
IGHT*SAREA	1	L4
	2	L5
	3	L6

NLI 002 1763

Test of Slopes (Prerequisite for ANCOVA)
Peromyscus Adults
National Lead

General Linear Models Procedure

Dependent Variable: LIVER

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	6	60.11642456	10.01940409	185.65	0.0001
Error	28	1.51113744	0.05396919		
Uncorrected Total	34	61.62756200			

R-Square	C.V.	Root MSE	LIVER Mean
0.581381	17.78410	0.23231271	1.30629412

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SAREA	3	58.02562268	19.34187423	358.39	0.0001
WEIGHT*SAREA	3	2.09080188	0.69693396	12.91	0.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
SAREA	3	0.07101072	0.02367024	0.44	0.7272
WEIGHT*SAREA	3	2.09080188	0.69693396	12.91	0.0001

Parameter		Estimate	T for H0: Parameter=0	Pr > |T|	Std Error of Estimate
SAREA	1	-.4260626387	-0.75	0.4613	0.57037960
	2	-.2771287771	-0.83	0.4139	0.33413174
	3	0.1261403844	0.26	0.7934	0.47717648
WEIGHT*SAREA	1	0.0795850423	3.10	0.0044	0.02565338
	2	0.0708658028	4.79	0.0001	0.01480919
	3	0.0518551015	2.49	0.0188	0.02079611

NLI 002 1764

Test of Slopes (Prerequisite for ANCOVA)
Peromyscus Adults
National Lead

9:42 Friday, October 30, 1992

General Linear Models Procedure

Dependent Variable: THYMUS

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	6	0.00186087	0.00031015	3.88	0.0061
Error	28	0.00223713	0.00007990		
Uncorrected Total	34	0.00409800			

R-Square	C.V.	Root MSE	THYMUS Mean
0.046790	124.5534	0.00893854	0.00717647

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SAREA	3	0.00176790	0.00058930	7.38	0.0009
WEIGHT*SAREA	3	0.00009297	0.00003099	0.39	0.7626

Source	DF	Type III SS	Mean Square	F Value	Pr > F
SAREA	3	0.00017823	0.00005941	0.74	0.5351
WEIGHT*SAREA	3	0.00009297	0.00003099	0.39	0.7626

Parameter		Estimate	T for H0: Parameter=0	Pr > |T|	Std Error of Estimate
SAREA	1	-.0111973822	-0.51	0.6139	0.02194610
	2	0.0129551016	1.01	0.3222	0.01285616
	3	0.0179413613	0.98	0.3368	0.01835999
WEIGHT*SAREA	1	0.0007935717	0.80	0.4282	0.00098705
	2	-.0002238178	-0.39	0.6974	0.00056980
	3	-.0004820639	-0.60	0.5517	0.00080016

NLI 002 1765

Test of Slopes (Prerequisite for ANCOVA)
Peromyscus Adults
National Lead

General Linear Models Procedure

Dependent Variable: KIDWTOTA

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	6	4.68680254	0.78113376	104.49	0.0001
Error	28	0.20931946	0.00747569		
Uncorrected Total	34	4.89612200			

R-Square	C.V.	Root MSE	KIDWTOTA Mean
0.339052	23.55916	0.08646210	0.36700000

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SAREA	3	4.58566149	1.52855383	204.47	0.0001
WEIGHT*SAREA	3	0.10114105	0.03371368	4.51	0.0106

Source	DF	Type III SS	Mean Square	F Value	Pr > F
SAREA	3	0.01863265	0.00621088	0.83	0.4882
WEIGHT*SAREA	3	0.10114105	0.03371368	4.51	0.0106

Parameter		Estimate	T for H0: Parameter=0	Pr > |T|	Std Error of Estimate
SAREA	1	-.2144702246	-1.01	0.3210	0.21228377
	2	0.1181834642	0.95	0.3501	0.12435709
	3	0.1339109605	0.75	0.4571	0.17759545
WEIGHT*SAREA	1	0.0254783787	2.67	0.0125	0.00954767
	2	0.0118399308	2.15	0.0405	0.00551168
	3	0.0103657664	1.34	0.1913	0.00773989

NLI 002 1766

Test of Slopes (Prerequisite for ANCOVA)
Peromyscus Adults
National Lead

General Linear Models Procedure

Dependent Variable: SPLEEN

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	6	0.12407444	0.02067907	24.76	0.0001
Error	28	0.02338556	0.00083520		
Uncorrected Total	34	0.14746000			

R-Square	C.V.	Root MSE	SPLEEN Mean
0.092842	48.30843	0.02889981	0.05982353

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SAREA	3	0.12249769	0.04083256	48.89	0.0001
WEIGHT*SAREA	3	0.00157675	0.00052558	0.63	0.6022

Source	DF	Type III SS	Mean Square	F Value	Pr > F
SAREA	3	0.00161844	0.00053948	0.65	0.5920
WEIGHT*SAREA	3	0.00157675	0.00052558	0.63	0.6022

Parameter		Estimate	T for H0: Parameter=0	Pr > |T|	Std Error of Estimate
SAREA	1	0.0106325918	0.15	0.8820	0.07095548
	2	0.0567030450	1.36	0.1834	0.04156614
	3	-.0138444803	-0.23	0.8173	0.05936097
WEIGHT*SAREA	1	0.0024294821	0.76	0.4529	0.00319129
	2	0.0002566318	0.14	0.8902	0.00184227
	3	0.0029370811	1.14	0.2659	0.00258705

NLI 002 1767

Test of Slopes (Prerequisite for ANCOVA)
Peromyscus Adults
National Lead

General Linear Models Procedure

Dependent Variable: ADRENALS

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	6	0.00239648	0.00039941	15.99	0.0001
Error	28	0.00069952	0.00002498		
Uncorrected Total	34	0.00309600			

R-Square	C.V.	Root MSE	ADRENALS Mean
0.149977	61.13008	0.00499828	0.00817647

Source	DF	Type I SS	Mean Square	F Value	Pr > F
SAREA	3	0.00230289	0.00076763	30.73	0.0001
WEIGHT*SAREA	3	0.00009359	0.00003120	1.25	0.3109

Source	DF	Type III SS	Mean Square	F Value	Pr > F
SAREA	3	0.00005710	0.00001903	0.76	0.5250
WEIGHT*SAREA	3	0.00009359	0.00003120	1.25	0.3109

Parameter		Estimate	T for H0: Parameter=0	Pr > |T|	Std Error of Estimate
SAREA	1	0.0173390452	1.41	0.1687	0.01227190
	2	-.0023013047	-0.32	0.7513	0.00718895
	3	-.0044379577	-0.43	0.6689	0.01026661
WEIGHT*SAREA	1	-.0003509946	-0.64	0.5300	0.00055194
	2	0.0004375049	1.37	0.1806	0.00031862
	3	0.0005399916	1.21	0.2376	0.00044744

NLI 002 1768

Correlation of Pb in Peromyscus Adults to Body Weight
National Lead

13:57 Friday, October 16, 19

CORRELATION ANALYSIS

1 'WITH' Variables: WEIGHT
1 'VAR' Variables: LOGPB

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
WEIGHT	34	22.293000	3.715575	757.962000	13.338000	34.007000
LOGPB	34	0.355187	0.340456	12.076374	-0.397940	1.113943

Pearson Correlation Coefficients / Prob > |R| under Ho: Rho=0 / N = 34

	LOGPB
WEIGHT	0.16699 0.3452

NLI 002 1769

Test for Normality
Lead: Peromyscus Adults
National Lead

13:57 Friday, October 16, 19

UNIVARIATE PROCEDURE

Variable=PB

Moments

N	34	Sum Wgts	34
Mean	3.095588	Sum	105.25
Std Dev	2.938891	Variance	8.63708
Skewness	2.457198	Kurtosis	6.400421
USS	610.8343	CSS	285.0236
CV	94.93804	Std Mean	0.504016
T:Mean=0	6.14185	Prob>|T|	0.0001
Sgn Rank	297.5	Prob>|S|	0.0001
Num ^= 0	34		
W:Normal	0.704174	Prob<W	0.0001

Quantiles(Def=5)

100% Max	13	99%	13
75% Q3	3.4	95%	13
50% Med	2.4	90%	6.1
25% Q1	1.5	10%	0.87
0% Min	0.4	5%	0.71
		1%	0.4
Range	12.6		
Q3-Q1	1.9		
Mode	1.6		

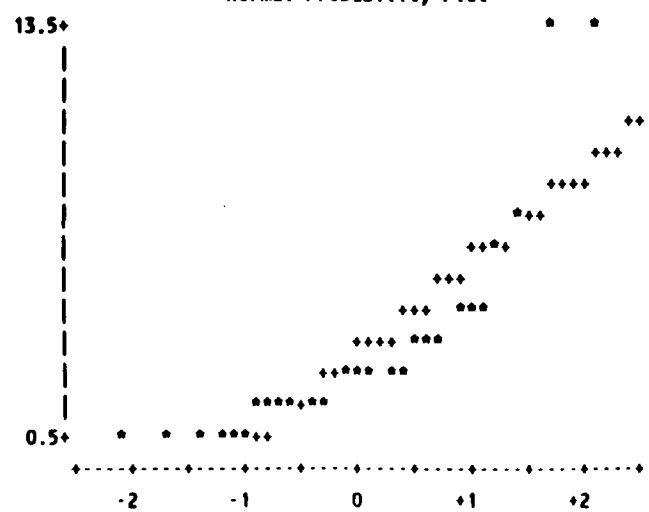
Extremes

Lowest	Obs	Highest	Obs
0.4(	7)	4.6(	28)
0.71(	6)	6.1(	31)
0.74(	4)	7.3(	1)
0.87(	22)	13(	21)
0.89(	34)	13(	30)

Stem	Leaf	#	Boxplot
13	00	2	*
12			
11			
10			
9			
8			
7	3	1	0
6	1	1	|
5			|
4	146	3	|
3	3344	4	+--+--+
2	23566789	8	*-----*
1	125667799	9	+-----+
0	477999	6	|

----+----+----+----+

Normal Probability Plot



NLI 002 1770

Test for Normality
Log Transform of Lead: Peromyscus Adults
National lead

13:57 Friday, October 16, 19

UNIVARIATE PROCEDURE

Variable=LOGPB

Moments

N	34	Sum Wgts	34
Mean	0.355187	Sum	12.07637
Std Dev	0.340456	Variance	0.11591
Skewness	0.198711	Kurtosis	0.294507
USS	8.114408	CSS	3.825032
CV	95.85238	Std Mean	0.058388
T:Mean=0	6.083262	Prob>|T|	0.0001
Sgn Rank	259	Prob>|S|	0.0001
Num ^= 0	34		
W:Normal	0.979473	Prob<W	0.8077

Quantiles(Def=5)

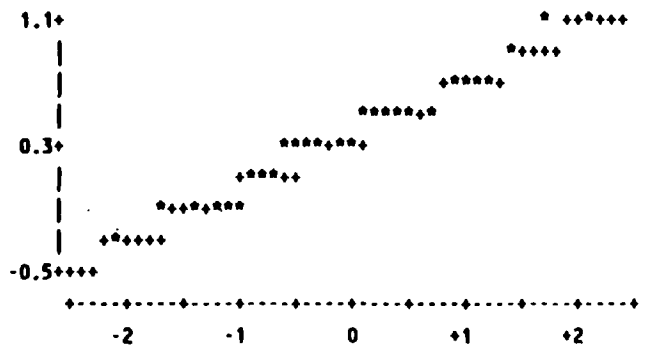
100% Max	1.113943	99%	1.113943
75% Q3	0.531479	95%	1.113943
50% Med	0.379834	90%	0.78533
25% Q1	0.176091	10%	-0.06048
0% Min	-0.39794	5%	-0.14874
		1%	-0.39794
Range	1.511883		
Q3-Q1	0.355388		
Mode	0.20412		

Extremes

Lowest	Obs	Highest	Obs
-0.39794(	7)	0.662758(	28)
-0.14874(	6)	0.78533(	31)
-0.13077(	4)	0.863323(	1)
-0.06048(	22)	1.113943(	21)
-0.05061(	34)	1.113943(	30)

```
Stem Leaf                     #             Boxplot
  10 11                       2                0
   8 6                        1                |
   6 1469                     4                |
   4 0113562233              10             +-----+
   2 00338846                 8             *--+--*
   0 488                      3             +-----+
  -0 53653                    5                |
  -2                                           |
  -4 0                        1                0
     ----+----+----+----+
  Multiply Stem.Leaf by 10**-1
```

Normal Probability Plot



NLI 002 1771

Test for Normality
Peromyscus Adults

14:59 Wednesday, October 14, 19

UNIVARIATE PROCEDURE

Variable=KIDWTOTA

Moments

N	34	Sum Wgts	34
Mean	0.367	Sum	12.478
Std Dev	0.097964	Variance	0.009597
Skewness	-1.31429	Kurtosis	5.149428
USS	4.896122	CSS	0.316696
CV	26.69305	Std Mean	0.016801
T:Mean=0	21.84445	Prob>|T|	0.0001
Sgn Rank	280.5	Prob>|S|	0.0001
Num ^= 0	33		
W:Normal	0.893757	Prob<W	0.0030

Quantiles(Def=5)

100% Max	0.539	99%	0.539
75% Q3	0.404	95%	0.539
50% Med	0.3645	90%	0.496
25% Q1	0.326	10%	0.291
0% Min	0	5%	0.228
		1%	0
Range	0.539		
Q3-Q1	0.078		
Mode	0.404		

Extremes

Lowest	Obs	Highest	Obs
0(	7)	0.473(	1)
0.228(	12)	0.496(	33)
0.245(	15)	0.501(	9)
0.291(	11)	0.539(	14)
0.295(	34)	0.539(	17)

```
Stem Leaf                    #          Boxplot                    Normal Probability Plot
   5 0044                    4             0                0.525+                                  *++*+
   4 57                      2             |                     |                              +***+
   4 00022                   5          +-----+                  |                          +*****
   3 5556666788899          13          *--+--*                  |                   *********
   3 002233                  6          +-----+                  |              *****+++
   2 9                       1             |                0.275+           **++++
   2 34                      2             |                     |       *++*++
   1                                                             |   +++++
   1                                                             |+++
   0                                                             |
   0 0                       1             *                0.025+    *
     ----+----+----+----+                                        +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-1                                        -2        -1         0        +1        +2
```

NLI 002 1772

Descriptive Statistics by Area
Peromyscus Adults
National Lead

14:59 Wednesday, October 14, 19

---------- SAREA=1 ----------

UNIVARIATE PROCEDURE

Variable=KIDWTOTA

Moments

N	11	Sum Wgts	11
Mean	0.358727	Sum	3.946
Std Dev	0.135124	Variance	0.018259
Skewness	-2.03041	Kurtosis	5.324995
USS	1.598124	CSS	0.182586
CV	37.66774	Std Mean	0.040742
T:Mean=0	8.804948	Prob>|T|	0.0001
Sgn Rank	27.5	Prob>|S|	0.0020
Num ^= 0	10		
W:Normal	0.800173	Prob<W	0.0107

Quantiles(Def=5)

100% Max	0.501	99%	0.501
75% Q3	0.454	95%	0.501
50% Med	0.378	90%	0.473
25% Q1	0.326	10%	0.291
0% Min	0	5%	0
		1%	0
Range	0.501		
Q3-Q1	0.128		
Mode	0		

Extremes

Lowest	Obs	Highest	Obs
0(	7)	0.404(	6)
0.291(	11)	0.416(	10)
0.326(	8)	0.454(	3)
0.346(	5)	0.473(	1)
0.357(	2)	0.501(	9)

```
Stem Leaf                    #          Boxplot                    Normal Probability Plot
   5 0                       1             |                0.55+                                +++++*+
   4 0257                    4          +-----+                  |                        * +*+*+++*
   3 3568                    4          *--+--*                  |                 * *++*+*+++
   2 9                       1             |                     |              *++++++
   1                                                             |      ++++++++
   0 0                       1             0                0.05+++++++   *
     ----+----+----+----+                                        +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-1                                        -2        -1         0        +1        +2
```

NLI 002 1773

Descriptive Statistics by Area
Peromyscus Adults
National Lead

14:59 Wednesday, October 14, 19

SAREA=2

UNIVARIATE PROCEDURE

Variable=KIDWTOTA

Moments

N	14	Sum Wgts	14
Mean	0.369429	Sum	5.172
Std Dev	0.089421	Variance	0.007996
Skewness	0.618045	Kurtosis	0.590096
USS	2.014634	CSS	0.103949
CV	24.20521	Std Mean	0.023899
T:Mean=0	15.45806	Prob>|T|	0.0001
Sgn Rank	52.5	Prob>|S|	0.0001
Num ^= 0	14		
W:Normal	0.91518	Prob<W	0.1845

Quantiles(Def=5)

100% Max	0.539	99%	0.539
75% Q3	0.404	95%	0.539
50% Med	0.357	90%	0.539
25% Q1	0.325	10%	0.245
0% Min	0.228	5%	0.228
		1%	0.228
Range	0.311		
Q3-Q1	0.079		
Mode	0.539		

Extremes

Lowest	Obs	Highest	Obs
0.228(	1)	0.387(	14)
0.245(	4)	0.404(	7)
0.322(	13)	0.423(	10)
0.325(	5)	0.539(	3)
0.329(	9)	0.539(	6)

```
Stem Leaf                     #             Boxplot
   5 44                       2                0
   4                                           |
   4 02                       2             +-----+
   3 55679                    5             *--+--*
   3 223                      3             +-----+
   2                                           |
   2 34                       2                |
     ----+----+----+----+
Multiply Stem.Leaf by 10**-1
```

Normal Probability Plot

```
0.525+                                  *  ++*+++
     |                                 +++++
     |                            +++*+*
0.375+                       *+*+*+* *
     |                 * *+*++
     |              ++++++
0.225+        +*+++ *
      +----+----+----+----+----+----+----+----+----+
         -2        -1         0        +1        +2
```

NLI 002 1774

SAREA=3

UNIVARIATE PROCEDURE

Variable=KIDWTOTA

Moments

N	9	Sum Wgts	9
Mean	0.373333	Sum	3.36
Std Dev	0.060171	Variance	0.003621
Skewness	0.673166	Kurtosis	1.614769
USS	1.283364	CSS	0.028964
CV	16.11712	Std Mean	0.020057
T:Mean=0	18.61374	Prob>|T|	0.0001
Sgn Rank	22.5	Prob>|S|	0.0039
Num ^= 0	9		
W:Normal	0.900162	Prob<W	0.2486

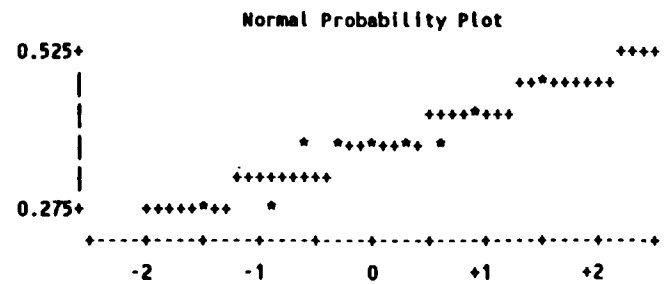
Quantiles(Def=5)

100% Max	0.496	99%	0.496
75% Q3	0.388	95%	0.496
50% Med	0.379	90%	0.496
25% Q1	0.358	10%	0.295
0% Min	0.295	5%	0.295
		1%	0.295
Range	0.201		
Q3-Q1	0.03		
Mode	0.295		

Extremes

Lowest	Obs	Highest	Obs
0.295(	9)	0.379(	4)
0.295(	5)	0.383(	6)
0.358(	1)	0.388(	7)
0.362(	2)	0.404(	3)
0.379(	4)	0.496(	8)

```
Stem Leaf                     #             Boxplot
   5 0                        1                *
   4                                           |
   4 0                        1                |
   3 66889                    5             +--+--+
   3 00                       2                0
   2                                           |
     ----+----+----+----+
 Multiply Stem.Leaf by 10**-1
```

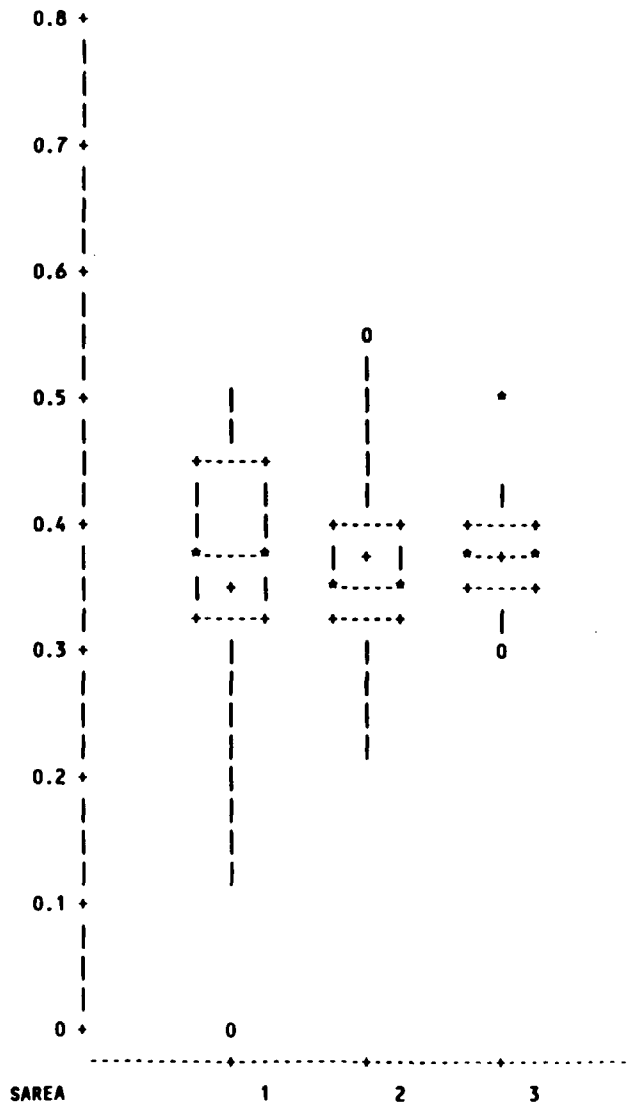


NLI 002 1775

Descriptive Statistics by Area
Peromyscus Adults
National Lead

UNIVARIATE PROCEDURE
Schematic Plots

Variable=KIDWTOTA



NLI 002 1776

Test for Normality
Peromyscus Adults

14:59 Wednesday, October 14, 19

UNIVARIATE PROCEDURE

Variable=WEIGHT

Moments

N	34	Sum Wgts	34
Mean	22.293	Sum	757.962
Std Dev	3.715575	Variance	13.8055
Skewness	0.543032	Kurtosis	2.534879
USS	17352.83	CSS	455.5814
CV	16.667	Std Mean	0.637216
T:Mean=0	34.985	Prob>|T|	0.0001
Sgn Rank	297.5	Prob>|S|	0.0001
Num ^= 0	34		
W:Normal	0.959931	Prob<W	0.2994

Quantiles(Def=5)

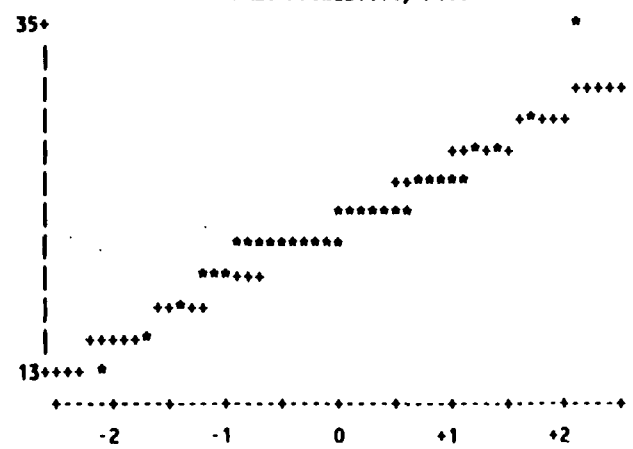
100% Max	34.007	99%	34.007
75% Q3	24.054	95%	28.749
50% Med	22.147	90%	26.015
25% Q1	20.146	10%	18.48
0% Min	13.338	5%	15.913
		1%	13.338
Range	20.669		
Q3-Q1	3.908		
Mode	13.338		

Extremes

Lowest	Obs	Highest	Obs
13.338(	19)	24.79(	10)
15.913(	12)	26.015(	3)
17.713(	34)	27.214(	4)
18.48(	7)	28.749(	30)
18.937(	15)	34.007(	14)

```
Stem Leaf                  #             Boxplot
  34 0                     1                0
  32
  30
  28 7                     1                |
  26 02                    2                |
  24 014568                6             +-----+
  22 6700588               7             *--+--*
  20 01134025677          11             +-----+
  18 591                   3                |
  16 7                     1                |
  14 9                     1                |
  12 3                     1                0
     ----+----+----+----+
```

Normal Probability Plot



NLI 002 1777

Descriptive Statistics by Area
Peromyscus Adults
National Lead

14:59 Wednesday, October 14, 19

SAREA=1

UNIVARIATE PROCEDURE

Variable=WEIGHT

Moments

N	11	Sum Wgts	11
Mean	22.28455	Sum	245.13
Std Dev	2.968438	Variance	8.811626
Skewness	0.40067	Kurtosis	-1.2785
USS	5550.727	CSS	88.11626
CV	13.32061	Std Mean	0.895018
T:Mean=0	24.89844	Prob>|T|	0.0001
Sgn Rank	33	Prob>|S|	0.0010
Num ^= 0	11		
W:Normal	0.932407	Prob<W	0.4164

Quantiles(Def=5)

100% Max	27.214	99%	27.214
75% Q3	24.79	95%	27.214
50% Med	21.732	90%	26.015
25% Q1	20.041	10%	19.126
0% Min	18.48	5%	18.48
		1%	18.48
Range	8.734		
Q3-Q1	4.749		
Mode	18.48		

Extremes

Lowest	Obs	Highest	Obs
18.48(	7)	22.562(	9)
19.126(	2)	24.641(	1)
20.041(	11)	24.79(	10)
20.119(	5)	26.015(	3)
20.41(	6)	27.214(	4)

```
Stem Leaf                     #             Boxplot
  26 02                       2                |
  24 68                       2             +-----+
  22 6                        1             |  +  |
  20 0147                     4             *-----*
  18 51                       2                |
     ----+----+----+----+
```

Normal Probability Plot

```
27+                                  * +++*+++
  |                             *+*+++++
23+                         ++*+++
  |                   *+*++*+*
19+          * +++*+++
   +----+----+----+----+----+----+----+----+----+----+
       -2        -1         0        +1        +2
```

NLI 002 1778

---------- SAREA=2 ----------

UNIVARIATE PROCEDURE

Variable=WEIGHT

Moments

N	14	Sum Wgts	14
Mean	21.69429	Sum	303.72
Std Dev	4.658148	Variance	21.69834
Skewness	0.967791	Kurtosis	3.722341
USS	6871.067	CSS	282.0784
CV	21.47177	Std Mean	1.244942
T:Mean=0	17.42594	Prob>|T|	0.0001
Sgn Rank	52.5	Prob>|S|	0.0001
Num ^= 0	14		
W:Normal	0.87208	Prob<W	0.0446

Quantiles(Def=5)

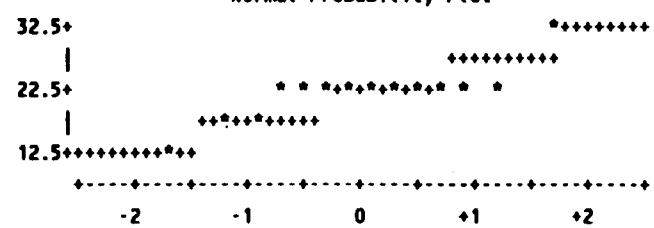
100% Max	34.007	99%	34.007
75% Q3	23.466	95%	34.007
50% Med	21.515	90%	23.8
25% Q1	20.146	10%	15.913
0% Min	13.338	5%	13.338
		1%	13.338
Range	20.669		
Q3-Q1	3.32		
Mode	13.338		

Extremes

Lowest	Obs	Highest	Obs
13.338(	8)	23.04(	9)
15.913(	1)	23.466(	10)
18.937(	4)	23.796(	6)
20.146(	13)	23.8(	14)
20.263(	7)	34.007(	3)

```
Stem Leaf                     #             Boxplot
   3 4                        1                *
   2                                           |
   2 0011233344              10            +--+--+
   1 69                       2               |
   1 3                        1                0
     ----+----+----+----+
 Multiply Stem.Leaf by 10**+1
```

Normal Probability Plot



NLI 002 1779

Descriptive Statistics by Area
Peromyscus Adults
National Lead

14:59 Wednesday, October 14, 19

---------- SAREA=3 ----------

UNIVARIATE PROCEDURE

Variable=WEIGHT

Moments

N	9	Sum Wgts	9
Mean	23.23467	Sum	209.112
Std Dev	3.00805	Variance	9.048367
Skewness	-0.06316	Kurtosis	1.610194
USS	4931.035	CSS	72.38694
CV	12.94639	Std Mean	1.002683
T:Mean=0	23.17248	Prob>|T|	0.0001
Sgn Rank	22.5	Prob>|S|	0.0039
Num ^= 0	9		
W:Normal	0.940164	Prob<W	0.5771

Quantiles(Def=5)

100% Max	28.749	99%	28.749
75% Q3	24.35	95%	28.749
50% Med	23.982	90%	28.749
25% Q1	21.726	10%	17.713
0% Min	17.713	5%	17.713
		1%	17.713
Range	11.036		
Q3-Q1	2.624		
Mode	17.713		

Extremes

Lowest	Obs	Highest	Obs
17.713(	9)	23.982(	8)
21.001(	4)	24.054(	3)
21.726(	2)	24.35(	1)
23(	7)	24.537(	6)
23.982(	8)	28.749(	5)

```
Stem Leaf                  #          Boxplot
  28 7                     1             0
  26                                     |
  24 0145                  4          +-----+
  22 0                     1          |  +  |
  20 07                    2          +-----+
  18                                     |
  16 7                     1             0
     ----+----+----+----+
```

Normal Probability Plot

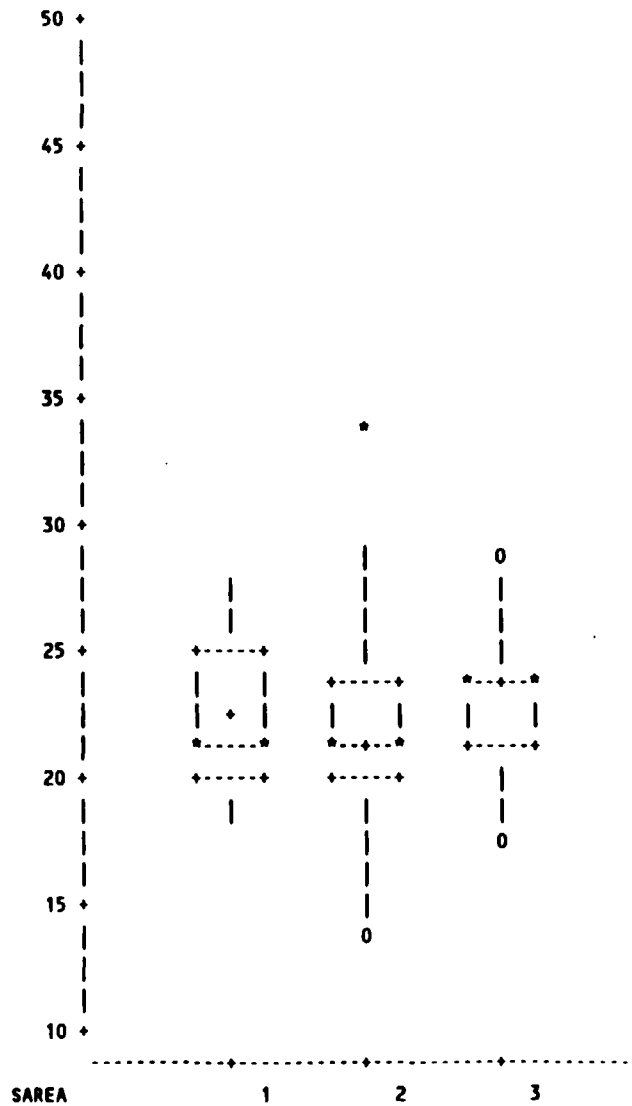
```
29+                                                  *+++++++
  |                                                 ++++++
  |                                          *++*++*
23+                                     +*++*++
  |                                +*++*+
  |                       +++++++
17+ +++++++  *
    +----+----+----+----+----+----+----+----+----+----+
        -2        -1         0        +1        +2
```

NLI 002 1780

Descriptive Statistics by Area
Peromyscus Adults
National Lead

UNIVARIATE PROCEDURE
Schematic Plots

Variable=WEIGHT



NLI 002 1781

Test for Normality
Peromyscus Adults

14:59 Wednesday, October 14, 19

UNIVARIATE PROCEDURE

Variable=SPLEEN

Moments

N	34	Sum Wgts	34
Mean	0.059824	Sum	2.034
Std Dev	0.02795	Variance	0.000781
Skewness	1.193922	Kurtosis	1.903144
USS	0.14746	CSS	0.025779
CV	46.72008	Std Mean	0.004793
T:Mean=0	12.48061	Prob>|T|	0.0001
Sgn Rank	297.5	Prob>|S|	0.0001
Num ^= 0	34		
W:Normal	0.920357	Prob<W	0.0193

Quantiles(Def=5)

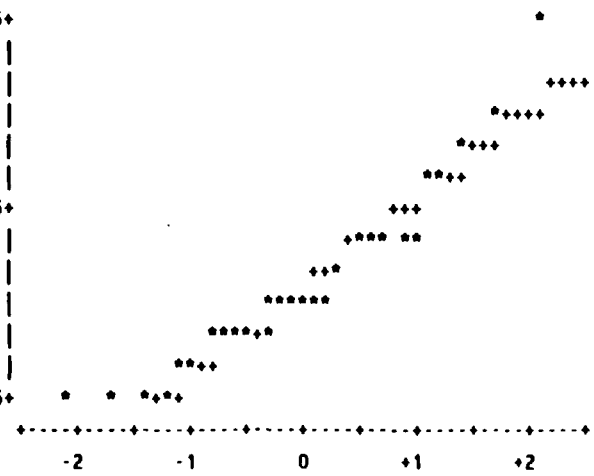
100% Max	0.147	99%	0.147
75% Q3	0.073	95%	0.119
50% Med	0.0565	90%	0.095
25% Q1	0.042	10%	0.028
0% Min	0.02	5%	0.022
		1%	0.02
Range	0.127		
Q3-Q1	0.031		
Mode	0.036		

Extremes

Lowest	Obs	Highest	Obs
0.02(	11)	0.091(	21)
0.022(	22)	0.095(	26)
0.025(	15)	0.109(	7)
0.028(	12)	0.119(	10)
0.033(	34)	0.147(	24)

```
Stem Leaf                     #             Boxplot
  14 7                        1                0
  13
  12
  11 9                        1                |
  10 9                        1                |
   9 15                       2                |
   8                                           |
   7 003346                   6             +-----+
   6 066                      3             | + |
   5 0126789                  7             *-----*
   4 023557                   6             +-----+
   3 366                      3                |
   2 0258                     4                |
     ----+----+----+----+
  Multiply Stem.Leaf by 10**-2
```

Normal Probability Plot



NLI 002 1782

Descriptive Statistics by Area
Peromyscus Adults
National Lead

14:59 Wednesday, October 14, 19

---------- SAREA=1 ----------

UNIVARIATE PROCEDURE

Variable=SPLEEN

Moments

N	11	Sum Wgts	11
Mean	0.065091	Sum	0.716
Std Dev	0.029208	Variance	0.000853
Skewness	0.566592	Kurtosis	0.171152
USS	0.055136	CSS	0.008531
CV	44.8722	Std Mean	0.008806
T:Mean=0	7.391269	Prob>|T|	0.0001
Sgn Rank	33	Prob>|S|	0.0010
Num ^= 0	11		
W:Normal	0.950221	Prob<W	0.6244

Quantiles(Def=5)

100% Max	0.119	99%	0.119
75% Q3	0.074	95%	0.119
50% Med	0.06	90%	0.109
25% Q1	0.045	10%	0.036
0% Min	0.02	5%	0.02
		1%	0.02
Range	0.099		
Q3-Q1	0.029		
Mode	0.02		

Extremes

Lowest	Obs	Highest	Obs
0.02(	11)	0.07(	9)
0.036(	6)	0.073(	3)
0.045(	2)	0.074(	1)
0.052(	8)	0.109(	7)
0.058(	4)	0.119(	10)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
  10 99                      2             0                  0.11+                                  *++++*++
   8                                        |                     |                              ++++++
   6 0034                    4          +--+--+               0.07+                        +*+*++* *
   4 528                     3          +-----+                  |                  +*+*++*
   2 06                      2             |                  0.03+          *++++*++
     ----+----+----+----+                                        +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-2                                        -2        -1         0        +1        +2
```

NLI 002 1783

Descriptive Statistics by Area
Peromyscus Adults
National Lead

14:59 Wednesday, October 14, 19

---------- SAREA=2 ----------

UNIVARIATE PROCEDURE

Variable=SPLEEN

Moments

N	14	Sum Wgts	14
Mean	0.059929	Sum	0.839
Std Dev	0.032174	Variance	0.001035
Skewness	1.48801	Kurtosis	3.392675
USS	0.063737	CSS	0.013457
CV	53.68678	Std Mean	0.008599
T:Mean=0	6.96942	Prob>|T|	0.0001
Sgn Rank	52.5	Prob>|S|	0.0001
Num ^= 0	14		
W:Normal	0.878689	Prob<W	0.0554

Quantiles(Def=5)

100% Max	0.147	99%	0.147
75% Q3	0.07	95%	0.147
50% Med	0.0575	90%	0.091
25% Q1	0.04	10%	0.025
0% Min	0.022	5%	0.022
		1%	0.022
Range	0.125		
Q3-Q1	0.03		
Mode	0.066		

Extremes

Lowest	Obs	Highest	Obs
0.022(	11)	0.066(	8)
0.025(	4)	0.07(	12)
0.028(	1)	0.076(	6)
0.04(	14)	0.091(	10)
0.043(	5)	0.147(	13)

```
Stem Leaf                     #             Boxplot
  14 7                        1                0
  12                                           |
  10                                           |
   8 1                        1                |
   6 6606                     4             +--+--+
   4 03069                    5             *-----*
   2 258                      3                |
     ----+----+----+----+
Multiply Stem.Leaf by 10**-2
```

Normal Probability Plot

```
0.15+                                                  *       +
                                                     ++++++
                                                  ++++++
0.09+                                          +++++*
                                          ++*+*+* *
                                     *+*+*+*+*
0.03+        *    *++*++
     +----+----+----+----+----+----+----+----+----+----+
        -2        -1         0        +1        +2
```

NLI 002 1784

Descriptive Statistics by Area
Peromyscus Adults
National Lead

14:59 Wednesday, October 14, 19

SAREA=3

UNIVARIATE PROCEDURE

Variable=SPLEEN

Moments

N	9	Sum Wgts	9
Mean	0.053222	Sum	0.479
Std Dev	0.019665	Variance	0.000387
Skewness	1.376091	Kurtosis	1.656425
USS	0.028587	CSS	0.003094
CV	36.948	Std Mean	0.006555
T:Mean=0	8.119519	Prob>|T|	0.0001
Sgn Rank	22.5	Prob>|S|	0.0039
Num ^= 0	9		
W:Normal	0.874878	Prob<W	0.1364

Quantiles(Def=5)

100% Max	0.095	99%	0.095
75% Q3	0.057	95%	0.095
50% Med	0.047	90%	0.095
25% Q1	0.042	10%	0.033
0% Min	0.033	5%	0.033
		1%	0.033
Range	0.062		
Q3-Q1	0.015		
Mode	0.033		

Extremes

Lowest	Obs	Highest	Obs
0.033(	9)	0.047(	8)
0.036(	4)	0.051(	6)
0.042(	5)	0.057(	7)
0.045(	2)	0.073(	3)
0.047(	8)	0.095(	1)

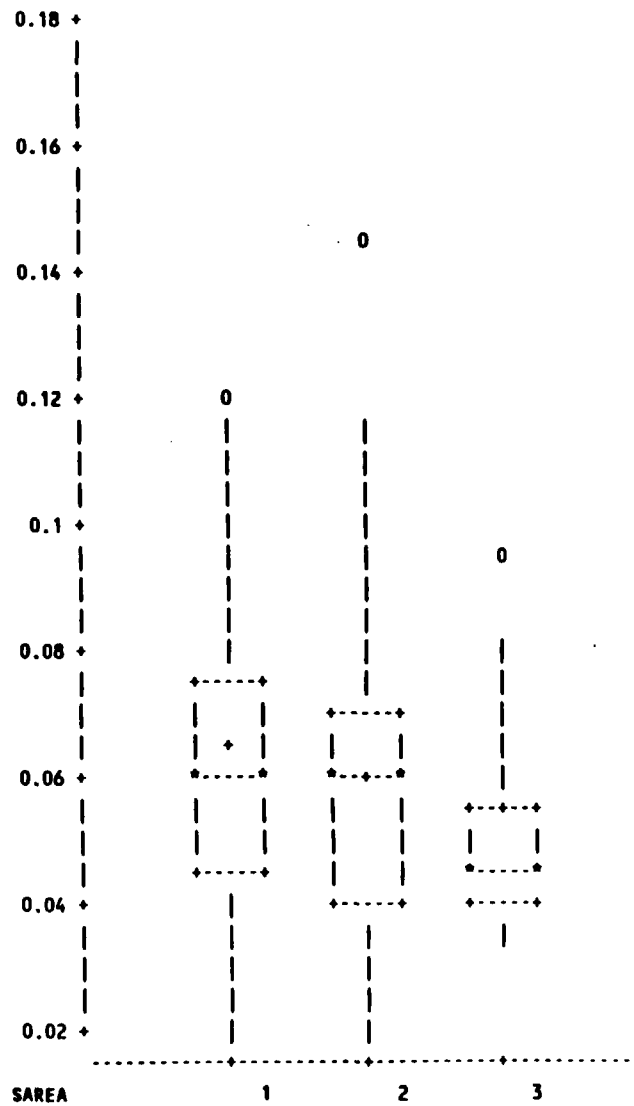
```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   9 5                       1             0                 0.095+                                  *   +++++
   8                                                             |                                 +++++
   7 3                       1             |                     |                             *++++
   6                                       |                 0.065+                        +++++
   5 17                      2          +--+--+                  |                    ++++*  *
   4 257                     3          *-----*                  |                *++*+ *
   3 36                      2             |                 0.035+         *   ++*++
     ----+----+----+----+                                        +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-2                                        -2        -1         0        +1        +2
```

NLI 002 1785

Descriptive Statistics by Area
Peromyscus Adults
National Lead

UNIVARIATE PROCEDURE
Schematic Plots

Variable=SPLEEN



NLI 002 1786

Test for Normality
Peromyscus Adults

14:59 Wednesday, October 14, 19

UNIVARIATE PROCEDURE

Variable=LIVER

Moments

N	34	Sum Wgts	34
Mean	1.306294	Sum	44.414
Std Dev	0.330739	Variance	0.109388
Skewness	1.463798	Kurtosis	4.464653
USS	61.62756	CSS	3.609815
CV	25.31888	Std Mean	0.056721
T:Mean=0	23.03005	Prob>|T|	0.0001
Sgn Rank	297.5	Prob>|S|	0.0001
Num ^= 0	34		
W:Normal	0.902777	Prob<W	0.0056

Quantiles(Def=5)

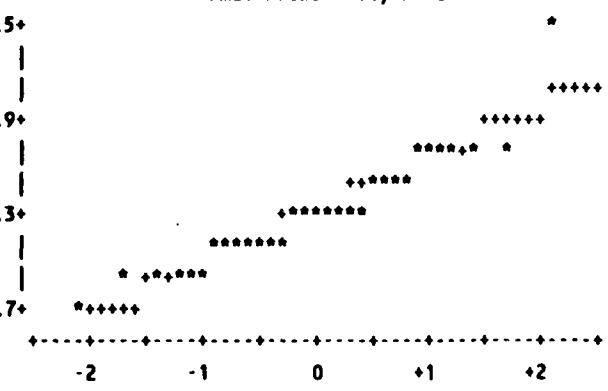
100% Max	2.534	99%	2.534
75% Q3	1.466	95%	1.704
50% Med	1.2845	90%	1.652
25% Q1	1.091	10%	0.94
0% Min	0.76	5%	0.92
		1%	0.76
Range	1.774		
Q3-Q1	0.375		
Mode	0.76		

Extremes

Lowest	Obs	Highest	Obs
0.76(	29)	1.632(	9)
0.92(	7)	1.652(	4)
0.935(	11)	1.662(	8)
0.94(	12)	1.704(	33)
0.953(	22)	2.534(	14)

```
Stem Leaf                     #             Boxplot
  24 3                        1                0
  22
  20
  18
  16 223560                   6                |
  14 1374                     4             +-----+
  12 668902467                9             *--+--*
  10 19903359                 8             +-----+
   8 24458                    5                |
   6 6                        1                |
     ----+----+----+----+
Multiply Stem.Leaf by 10**-1
```

Normal Probability Plot



NLI 002 1787

Descriptive Statistics by Area
Peromyscus Adults
National Lead

14:59 Wednesday, October 14, 19

---------- SAREA=1 ----------

UNIVARIATE PROCEDURE

Variable=LIVER

Moments

N	11	Sum Wgts	11
Mean	1.328	Sum	14.608
Std Dev	0.292536	Variance	0.085578
Skewness	-0.32194	Kurtosis	-1.61746
USS	20.2552	CSS	0.855776
CV	22.02835	Std Mean	0.088203
T:Mean=0	15.05617	Prob>|T|	0.0001
Sgn Rank	33	Prob>|S|	0.0010
Num ^= 0	11		
W:Normal	0.889575	Prob<W	0.1327

Quantiles(Def=5)

100% Max	1.662	99%	1.662
75% Q3	1.632	95%	1.662
50% Med	1.368	90%	1.652
25% Q1	0.983	10%	0.935
0% Min	0.92	5%	0.92
		1%	0.92
Range	0.742		
Q3-Q1	0.649		
Mode	0.92		

Extremes

Lowest	Obs	Highest	Obs
0.92(	7)	1.466(	10)
0.935(	11)	1.542(	3)
0.983(	2)	1.632(	9)
1.127(	5)	1.652(	4)
1.321(	1)	1.662(	8)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
  16 356                     3          +-----+                1.7+                              *  +*++++*
  14 74                      2          |     |                   |                         *++*++++
  12 27                      2          *--+--*                1.3+                    ++*+*++
  10 3                       1          |     |                   |              ++++++*
   8 248                     3          +-----+                0.9+       ++*++++*   *
     ----+----+----+----+                                          +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-1                                          -2        -1         0        +1        +2
```

NLI 002 1788

Descriptive Statistics by Area
Peromyscus Adults
National Lead

14:59 Wednesday, October 14, 19

---------- SAREA=2 ----------

UNIVARIATE PROCEDURE

Variable=LIVER

Moments

N	14	Sum Wgts	14
Mean	1.266643	Sum	17.733
Std Dev	0.394418	Variance	0.155565
Skewness	2.844164	Kurtosis	9.351608
USS	24.48373	CSS	2.022347
CV	31.13881	Std Mean	0.105413
T:Mean=0	12.01606	Prob>|T|	0.0001
Sgn Rank	52.5	Prob>|S|	0.0001
Num ^= 0	14		
W:Normal	0.660545	Prob<W	0.0001

Quantiles(Def=5)

100% Max	2.534	99%	2.534
75% Q3	1.289	95%	2.534
50% Med	1.1695	90%	1.426
25% Q1	1.089	10%	0.953
0% Min	0.94	5%	0.94
		1%	0.94
Range	1.594		
Q3-Q1	0.2		
Mode	0.94		

Extremes

Lowest	Obs	Highest	Obs
0.94(	1)	1.261(	9)
0.953(	11)	1.289(	7)
1.007(	5)	1.409(	2)
1.089(	8)	1.426(	6)
1.098(	12)	2.534(	3)

```
Stem Leaf                    #          Boxplot                    Normal Probability Plot
   2 5                       1             *                  2.75+                                  *
   2                                                            |                                     +++++++
   1                                                         1.75+                          +++++++++++++
   1 001112233344           12          +--+--+                 |                 * *+*+*+*+*+*+* * *  *
   0 9                       1             |                  0.75+     ++*++++*+++++
     ----+----+----+----+                                       +----+----+----+----+----+----+----+----+----+----+
                                                                   -2        -1         0        +1        +2
```

NLI 002 1789

Descriptive Statistics by Area
Peromyscus Adults
National Lead

14:59 Wednesday, October 14, 19

---------- SAREA=3 ----------

UNIVARIATE PROCEDURE

Variable=LIVER

Moments

N	9	Sum Wgts	9
Mean	1.341444	Sum	12.073
Std Dev	0.294402	Variance	0.086672
Skewness	-0.76642	Kurtosis	0.690672
USS	16.88864	CSS	0.693378
CV	21.94661	Std Mean	0.098134
T:Mean=0	13.66954	Prob>|T|	0.0001
Sgn Rank	22.5	Prob>|S|	0.0039
Num ^= 0	9		
W:Normal	0.924732	Prob<W	0.4268

Quantiles(Def=5)

100% Max	1.704	99%	1.704
75% Q3	1.617	95%	1.704
50% Med	1.339	90%	1.704
25% Q1	1.28	10%	0.76
0% Min	0.76	5%	0.76
		1%	0.76
Range	0.944		
Q3-Q1	0.337		
Mode	0.76		

Extremes

Lowest	Obs	Highest	Obs
0.76(	4)	1.339(	7)
1.091(	9)	1.36(	5)
1.28(	2)	1.617(	1)
1.299(	3)	1.623(	6)
1.339(	7)	1.704(	8)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
  16 220                     3          +-----+                1.7+                          *  *+++++*
  14                                    |     |                   |                       +++++++
  12 8046                    4          *--+--*                   |                 * +*++*+ *
  10 9                       1             |                      |              ++*++++
   8                                       |                      |       +++++++
   6 6                       1             0                   0.7++++++++   *
     ----+----+----+----+                                          +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-1                                          -2        -1         0        +1        +2
```

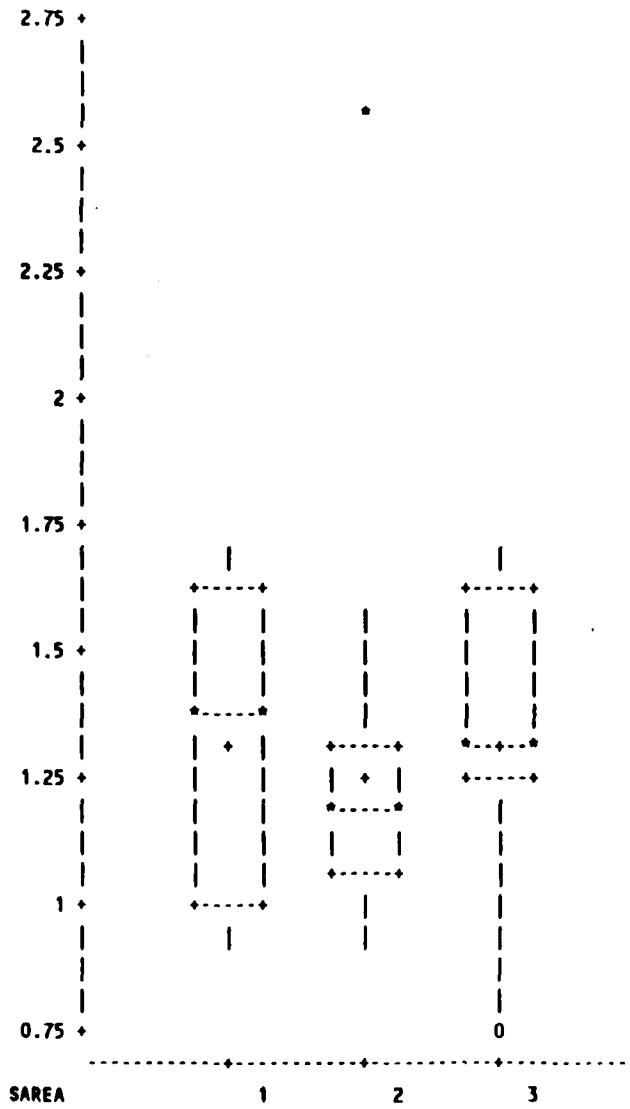
NLI 002 1790

Descriptive Statistics by Area
Peromyscus Adults
National Lead

14:59 Wednesday, October 14, 19

UNIVARIATE PROCEDURE
Schematic Plots

Variable=LIVER



NLI 002 1791

Test for Normality
Peromyscus Adults

14:59 Wednesday, October 14, 19

UNIVARIATE PROCEDURE

Variable=THYMUS

Moments

N	34	Sum Wgts	34
Mean	0.007176	Sum	0.244
Std Dev	0.008433	Variance	0.000071
Skewness	0.881859	Kurtosis	-0.46656
USS	0.004098	CSS	0.002347
CV	117.5123	Std Mean	0.001446
T:Mean=0	4.961994	Prob>|T|	0.0001
Sgn Rank	85.5	Prob>|S|	0.0001
Num ^= 0	18		
W:Normal	0.800207	Prob<W	0.0001

Quantiles(Def=5)

100% Max	0.025	99%	0.025
75% Q3	0.012	95%	0.024
50% Med	0.005	90%	0.023
25% Q1	0	10%	0
0% Min	0	5%	0
		1%	0
Range	0.025		
Q3-Q1	0.012		
Mode	0		

Extremes

Lowest	Obs	Highest	Obs
0(	31)	0.02(	13)
0(	30)	0.023(	21)
0(	29)	0.023(	34)
0(	26)	0.024(	24)
0(	25)	0.025(	10)

```
Stem Leaf                     #             Boxplot
  24 00                       2                |
  22 00                       2                |
  20 0                        1                |
  18 0                        1                |
  16                                           |
  14 0                        1                |
  12 00                       2             +-----+
  10 000                      3             |     |
   8 000                      3             |     |
   6 00                       2             |  +  |
   4 0                        1             *-----*
   2                                        |     |
   0 0000000000000000        16             +-----+
     ----+----+----+----+
 Multiply Stem.Leaf by 10**-3
```

Normal Probability Plot

```
0.025+                                          *  +*+
     |                                        * *   ++
     |                                       *    ++
     |                                      *  +++
     |                                      ++
     |                                     *+
0.013+                                   +**
     |                                 ***
     |                              +**
     |                             +**
     |                           ++ *
     |                       +++
0.001+   *   *  * ************
         +----+----+----+----+----+----+----+----+----+----+
          -2        -1        0        +1        +2
```

NLI 002 1792

Descriptive Statistics by Area
Peromyscus Adults
National Lead

14:59 Wednesday, October 14, 19

---------- SAREA=1 ----------

UNIVARIATE PROCEDURE

Variable=THYMUS

Moments

N	11	Sum Wgts	11
Mean	0.007364	Sum	0.081
Std Dev	0.008744	Variance	0.000076
Skewness	0.911114	Kurtosis	-0.20189
USS	0.001361	CSS	0.000765
CV	118.7434	Std Mean	0.002636
T:Mean=0	2.793103	Prob>|T|	0.0190
Sgn Rank	10.5	Prob>|S|	0.0313
Num ^= 0	6		
W:Normal	0.837614	Prob<W	0.0305

Quantiles(Def=5)

100% Max	0.025	99%	0.025
75% Q3	0.014	95%	0.025
50% Med	0.004	90%	0.018
25% Q1	0	10%	0
0% Min	0	5%	0
		1%	0
Range	0.025		
Q3-Q1	0.014		
Mode	0		

Extremes

Lowest	Obs	Highest	Obs
0(	11)	0.01(	4)
0(	9)	0.01(	6)
0(	8)	0.014(	5)
0(	7)	0.018(	1)
0(	3)	0.025(	10)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   2 5                       1             |                0.0275+                                  *    +++++
   2                                       |                     |                                 ++++++
   1 8                       1             |                     |                            ++*+++
   1 004                     3          +-----+                  |                       * +*+*+
   0                                    |  +  |                  |                   ++++++
   0 000004                  6          *-----*            0.0025+        *    *  +*+*++* *
     ----+----+----+----+                                        +----+----+----+----+----+----+----+----+----+----+
 Multiply Stem.Leaf by 10**-2                                        -2        -1         0        +1        +2
```

NLI 002 1793

Descriptive Statistics by Area
Peromyscus Adults
National Lead

14:59 Wednesday, October 14, 19

SAREA=2

UNIVARIATE PROCEDURE

Variable=THYMUS

Moments

N	14	Sum Wgts	14
Mean	0.007429	Sum	0.104
Std Dev	0.009138	Variance	0.000083
Skewness	0.887321	Kurtosis	-0.66462
USS	0.001858	CSS	0.001085
CV	123.0052	Std Mean	0.002442
T:Mean=0	3.041868	Prob>|T|	0.0094
Sgn Rank	14	Prob>|S|	0.0156
Num ^= 0	7		
W:Normal	0.788688	Prob<W	0.0032

Quantiles(Def=5)

100% Max	0.024	99%	0.024
75% Q3	0.012	95%	0.024
50% Med	0.004	90%	0.023
25% Q1	0	10%	0
0% Min	0	5%	0
		1%	0
Range	0.024		
Q3-Q1	0.012		
Mode	0		

Extremes

Lowest	Obs	Highest	Obs
0(	14)	0.009(	6)
0(	12)	0.012(	7)
0(	11)	0.02(	2)
0(	8)	0.023(	10)
0(	5)	0.024(	13)

```
Stem Leaf                     #             Boxplot
   2 034                      3                |
   1                                           |
   1 2                        1             +-----+
   0 889                      3             |  +  |
   0 0000000                  7             *-----*
     ----+----+----+----+
Multiply Stem.Leaf by 10**-2
```

Normal Probability Plot

```
0.0225+                                  *  * +++*++
      |                                  +++++
0.0125+                            ++++*+
      |                        +++*+* *
0.0025+       *    *  *+*+*+* *
      +----+----+----+----+----+----+----+----+----+
          -2        -1        0        +1        +2
```

NLI 002 1794

Descriptive Statistics by Area
Peromyscus Adults
National Lead

14:59 Wednesday, October 14, 19

---------- SAREA=3 ----------

UNIVARIATE PROCEDURE

Variable=THYMUS

Moments

N	9	Sum Wgts	9
Mean	0.006556	Sum	0.059
Std Dev	0.007844	Variance	0.000062
Skewness	1.188515	Kurtosis	1.215198
USS	0.000879	CSS	0.000492
CV	119.6537	Std Mean	0.002615
T:Mean=0	2.507236	Prob>|T|	0.0365
Sgn Rank	7.5	Prob>|S|	0.0625
Num ^= 0	5		
W:Normal	0.836182	Prob<W	0.0522

Quantiles(Def=5)

100% Max	0.023	99%	0.023
75% Q3	0.011	95%	0.023
50% Med	0.006	90%	0.023
25% Q1	0	10%	0
0% Min	0	5%	0
		1%	0
Range	0.023		
Q3-Q1	0.011		
Mode	0		

Extremes

Lowest	Obs	Highest	Obs
0(	6)	0.006(	8)
0(	5)	0.007(	2)
0(	4)	0.011(	3)
0(	1)	0.012(	7)
0.006(	8)	0.023(	9)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   2 3                       1             |                0.0225+                                  *  ++++++
   1                                       |                      |                              +++++++
   1 12                      2          +-----+             0.0125+                         +*++*+
   0 67                      2          *--+--*                  |                     +*++*+
   0 0000                    4          +-----+             0.0025+          *    *++*++*+
     ----+----+----+----+                                        +----+----+----+----+----+----+----+----+----+----+
 Multiply Stem.Leaf by 10**-2                                        -2        -1         0        +1        +2
```

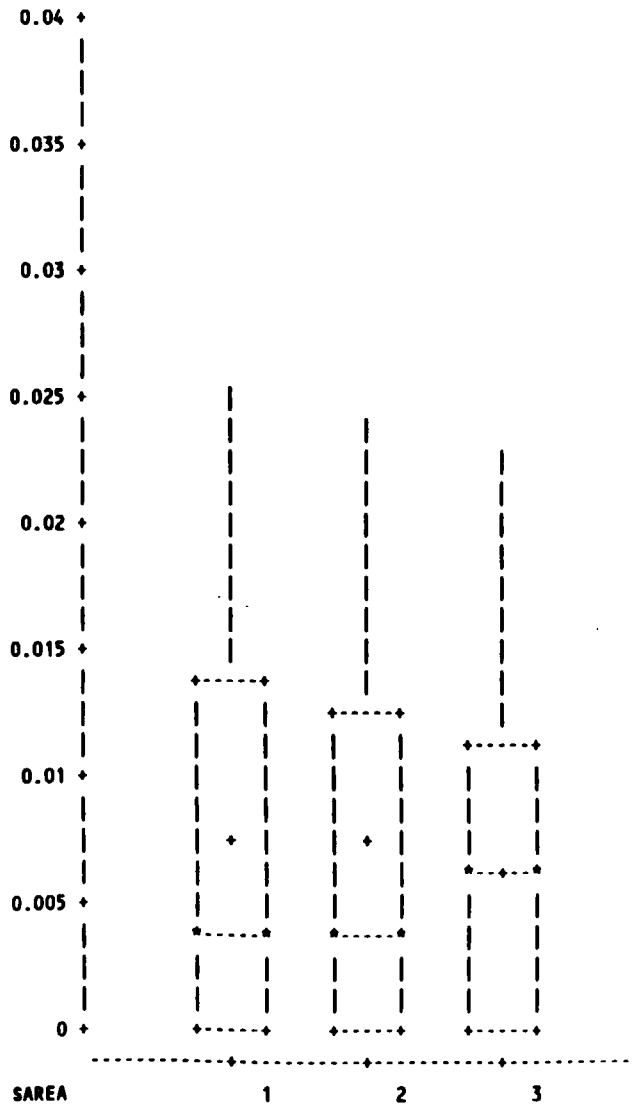
NLI 002 1795

Descriptive Statistics by Area
Peromyscus Adults
National Lead

14:59 Wednesday, October 14, 19

UNIVARIATE PROCEDURE
Schematic Plots

Variable=THYMUS



NLI 002 1796

UNIVARIATE PROCEDURE

Variable=UTERUSWT

Moments

N	15	Sum Wgts	15
Mean	0.110667	Sum	1.66
Std Dev	0.196678	Variance	0.038682
Skewness	2.765144	Kurtosis	8.568169
USS	0.725256	CSS	0.541549
CV	177.7208	Std Mean	0.050782
T:Mean=0	2.179252	Prob>|T|	0.0469
Sgn Rank	18	Prob>|S|	0.0078
Num ^= 0	8		
W:Normal	0.620832	Prob<W	0.0001

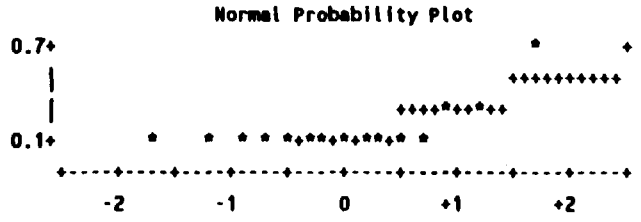
Quantiles(Def=5)

100% Max	0.749	99%	0.749
75% Q3	0.134	95%	0.749
50% Med	0.019	90%	0.275
25% Q1	0	10%	0
0% Min	0	5%	0
		1%	0
Range	0.749		
Q3-Q1	0.134		
Mode	0		

Extremes

Lowest	Obs	Highest	Obs
0(	15)	0.108(	11)
0(	13)	0.134(	10)
0(	12)	0.212(	7)
0(	9)	0.275(	5)
0(	8)	0.749(	6)

```
Stem Leaf                     #             Boxplot
   6 5                        1                *
   4                                           |
   2 18                       2                |
   0 000000027013            12             +--+--+
     ----+----+----+----+
 Multiply Stem.Leaf by 10**-1
```



NLI 002 1797

Descriptive Statistics by Area
Peromyscus Adults: Females
National Lead

14:59 Wednesday, October 14, 19

---------- SAREA=1 ----------

UNIVARIATE PROCEDURE

Variable=UTERUSWT

Moments

N	6	Sum Wgts	6
Mean	0.197833	Sum	1.187
Std Dev	0.288272	Variance	0.083101
Skewness	1.867389	Kurtosis	3.459263
USS	0.650331	CSS	0.415503
CV	145.7144	Std Mean	0.117686
T:Mean=0	1.681021	Prob>|T|	0.1536
Sgn Rank	5	Prob>|S|	0.1250
Num ^= 0	4		
W:Normal	0.758485	Prob<W	0.0243

Quantiles(Def=5)

100% Max	0.749	99%	0.749
75% Q3	0.275	95%	0.749
50% Med	0.0815	90%	0.749
25% Q1	0	10%	0
0% Min	0	5%	0
		1%	0
Range	0.749		
Q3-Q1	0.275		
Mode	0		

Extremes

Lowest	Obs	Highest	Obs
0(	3)	0(	3)
0(	1)	0.067(	4)
0.067(	4)	0.096(	2)
0.096(	2)	0.275(	5)
0.275(	5)	0.749(	6)

```
Stem Leaf                    #          Boxplot                    Normal Probability Plot
   6 5                       1             0                 0.7+                                *+++++++
   4                                       |                    |                            ++++++
   2 8                       1          +--+--+                 |                      +++++*+
   0 0070                    4          *-----*              0.1+          *     *+++*++ *
     ----+----+----+----+                                      +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-1                                       -2        -1         0        +1        +2
```

NLI 002 1798

Descriptive Statistics by Area
Peromyscus Adults: Females
National Lead

14:59 Wednesday, October 14, 19

SAREA=2

UNIVARIATE PROCEDURE

Variable=UTERUSWT

Moments

N	5	Sum Wgts	5
Mean	0.0908	Sum	0.454
Std Dev	0.091297	Variance	0.008335
Skewness	0.201956	Kurtosis	-1.6075
USS	0.074564	CSS	0.033341
CV	100.5477	Std Mean	0.040829
T:Mean=0	2.223888	Prob>|T|	0.0902
Sgn Rank	3	Prob>|S|	0.2500
Num ^= 0	3		
W:Normal	0.900051	Prob<W	0.4073

Quantiles(Def=5)

100% Max	0.212	99%	0.212
75% Q3	0.134	95%	0.212
50% Med	0.108	90%	0.212
25% Q1	0	10%	0
0% Min	0	5%	0
		1%	0
Range	0.212		
Q3-Q1	0.134		
Mode	0		

Extremes

Lowest	Obs	Highest	Obs
0(	3)	0(	2)
0(	2)	0(	3)
0.108(	5)	0.108(	5)
0.134(	4)	0.134(	4)
0.212(	1)	0.212(	1)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   2 1                       1             |                  0.225+                                  *+++++
   1                                       |                       |                              +++++
   1 13                      2          +-----+               0.125+                        * +++*+
   0                                    |  +  |                    |                    ++++++
   0 00                      2          +-----+               0.025+              *  ++++*
     ----+----+----+----+                                          +----+----+----+----+----+----+----+----+----+----+
 Multiply Stem.Leaf by 10**-1                                          -2        -1         0        +1        +2
```

NLI 002 1799

Descriptive Statistics by Area
Peromyscus Adults: Females
National Lead

14:59 Wednesday, October 14, 19

---------- SAREA=3 ----------

UNIVARIATE PROCEDURE

Variable=UTERUSWT

Moments

N	4	Sum Wgts	4
Mean	0.00475	Sum	0.019
Std Dev	0.0095	Variance	0.00009
Skewness	2	Kurtosis	4
USS	0.000361	CSS	0.000271
CV	200	Std Mean	0.00475
T:Mean=0	1	Prob>|T|	0.3910
Sgn Rank	0.5	Prob>|S|	1.0000
Num ^= 0	1		
W:Normal	0.629658	Prob<W	0.0

Quantiles(Def=5)

100% Max	0.019	99%	0.019
75% Q3	0.0095	95%	0.019
50% Med	0	90%	0.019
25% Q1	0	10%	0
0% Min	0	5%	0
		1%	0
Range	0.019		
Q3-Q1	0.0095		
Mode	0		

Extremes

Lowest	Obs	Highest	Obs
0(	4)	.(	)
0(	2)	0(	1)
0(	1)	0(	2)
0.019(	3)	0(	4)
.(	)	0.019(	3)

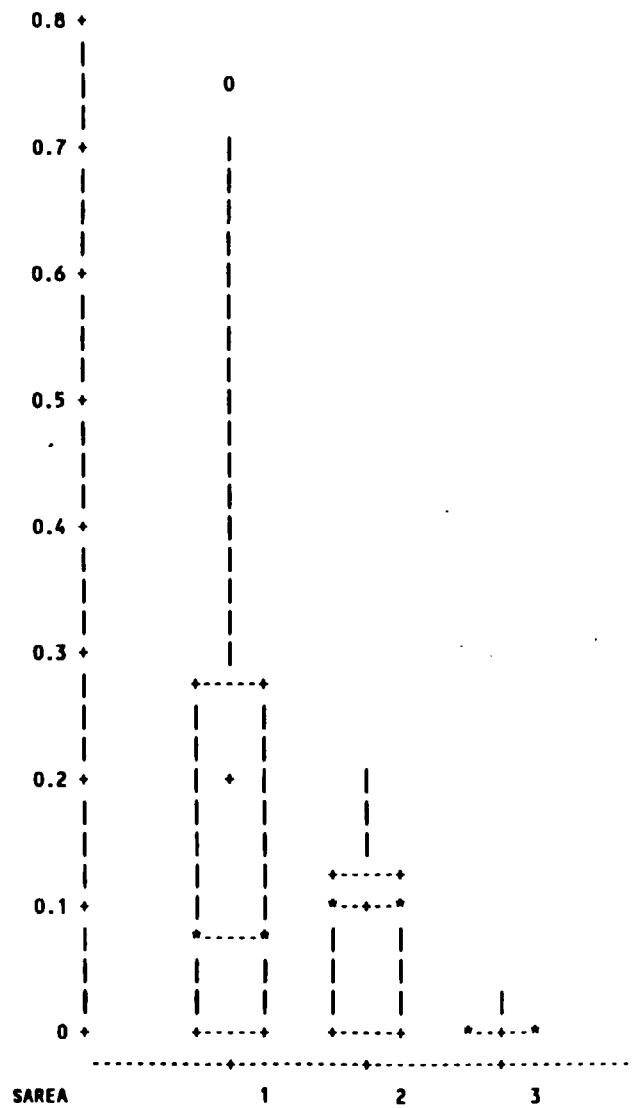
```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   1 9                       1             |                0.0175+                                *++++++
   1                                    +-----+                   |                            +++++
   0                                    |  +  |                   |                       +++++
   0 000                     3          *-----*           0.0025+              *    ++*+++  *
     ----+----+----+----+                                       +----+----+----+----+----+----+----+----+----+----+
 Multiply Stem.Leaf by 10**-2                                        -2        -1         0        +1        +2
```

NLI 002 1800

Descriptive Statistics by Area
Peromyscus Adults: Females
National Lead

UNIVARIATE PROCEDURE
Schematic Plots

Variable=UTERUSWT



NLI 002 1801

Test for Normality
Peromyscus Adults: Males

14:59 Wednesday, October 14, 19

UNIVARIATE PROCEDURE

Variable=TESTISTO

Moments

N	19	Sum Wgts	19
Mean	0.451895	Sum	8.586
Std Dev	0.210965	Variance	0.044506
Skewness	-1.01748	Kurtosis	0.367545
USS	4.68108	CSS	0.801112
CV	46.68453	Std Mean	0.048399
T:Mean=0	9.336923	Prob>|T|	0.0001
Sgn Rank	76.5	Prob>|S|	0.0001
Num ^= 0	17		
W:Normal	0.896167	Prob<W	0.0414

Quantiles(Def=5)

100% Max	0.734	99%	0.734
75% Q3	0.612	95%	0.734
50% Med	0.509	90%	0.663
25% Q1	0.322	10%	0
0% Min	0	5%	0
		1%	0
Range	0.734		
Q3-Q1	0.29		
Mode	0		

Extremes

Lowest	Obs	Highest	Obs
0(	10)	0.612(	2)
0(	3)	0.626(	12)
0.213(	4)	0.658(	8)
0.261(	13)	0.663(	18)
0.322(	6)	0.734(	14)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   6 13663                   5          +-----+                  0.7+                                *+*+*++*++ *
   4 49114458                8          *--+--*                     |                    **+***+***++
   2 1625                    4          +-----+                     |              *+*+*+*++
   0 00                      2             |                     0.1+    +++*+++*++
     ----+----+----+----+                                            +----+----+----+----+----+----+----+----+----+----+
 Multiply Stem.Leaf by 10**-1                                            -2        -1         0        +1        +2
```

NLI 002 1802

Descriptive Statistics by Area
Peromyscus Adults: Males
National Lead

14:59 Wednesday, October 14, 19

SAREA=1

UNIVARIATE PROCEDURE

Variable=TESTISTO

Moments

N	5	Sum Wgts	5
Mean	0.3824	Sum	1.912
Std Dev	0.265485	Variance	0.070482
Skewness	-0.87206	Kurtosis	-1.28009
USS	1.013078	CSS	0.281929
CV	69.426	Std Mean	0.118729
T:Mean=0	3.220793	Prob>|T|	0.0323
Sgn Rank	5	Prob>|S|	0.1250
Num ^= 0	4		
W:Normal	0.868433	Prob<W	0.2573

Quantiles(Def=5)

100% Max	0.612	99%	0.612
75% Q3	0.578	95%	0.612
50% Med	0.509	90%	0.612
25% Q1	0.213	10%	0
0% Min	0	5%	0
		1%	0
Range	0.612		
Q3-Q1	0.365		
Mode	0		

Extremes

Lowest	Obs	Highest	Obs
0(	3)	0(	3)
0.213(	4)	0.213(	4)
0.509(	5)	0.509(	5)
0.578(	1)	0.578(	1)
0.612(	2)	0.612(	2)

```
Stem Leaf                    #          Boxplot                    Normal Probability Plot
   6 1                       1             |                0.65+                          +++*
   5 18                      2          +-----+                 |                    *    *+++
   4                                    |     |                 |                     ++++
   3                                    |  +  |            0.35+                  ++++
   2 1                       1          +-----+                 |               +*+
   1                                       |                    |            ++++
   0 0                       1             |                0.05+        ++*+
     ----+----+----+----+                                       +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-1                                        -2        -1         0        +1        +2
```

NLI 002 1803

Descriptive Statistics by Area
Peromyscus Adults: Males
National Lead

14:59 Wednesday, October 14, 19

---------- SAREA=2 ----------

UNIVARIATE PROCEDURE

Variable=TESTISTO

Moments

N	9	Sum Wgts	9
Mean	0.459222	Sum	4.133
Std Dev	0.229375	Variance	0.052613
Skewness	-0.97733	Kurtosis	0.697208
USS	2.318867	CSS	0.420902
CV	49.94849	Std Mean	0.076458
T:Mean=0	6.006187	Prob>|T|	0.0003
Sgn Rank	18	Prob>|S|	0.0078
Num ^= 0	8		
W:Normal	0.929708	Prob<W	0.4723

Quantiles(Def=5)

100% Max	0.734	99%	0.734
75% Q3	0.626	95%	0.734
50% Med	0.507	90%	0.734
25% Q1	0.322	10%	0
0% Min	0	5%	0
		1%	0
Range	0.734		
Q3-Q1	0.304		
Mode	0		

Extremes

Lowest	Obs	Highest	Obs
0(	5)	0.507(	2)
0.261(	8)	0.536(	4)
0.322(	1)	0.626(	7)
0.489(	6)	0.658(	3)
0.507(	2)	0.734(	9)

```
Stem Leaf                  #          Boxplot                          Normal Probability Plot
   6 363                   3          +-----+                  0.7+                          *++*+++++*
   4 914                   3          *--+--*                     |                   *++*++*+++
   2 62                    2          +-----+                     |            ++*++*+++
   0 0                     1             |                    0.1+    +++++*+++
     ----+----+----+----+                                        +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-1                                        -2        -1         0        +1        +2
```

NLI 002 1804

Descriptive Statistics by Area
Peromyscus Adults: Males
National Lead

14:59 Wednesday, October 14, 19

SAREA=3

UNIVARIATE PROCEDURE

Variable=TESTISTO

Moments

N	5	Sum Wgts	5
Mean	0.5082	Sum	2.541
Std Dev	0.120207	Variance	0.01445
Skewness	-0.1835	Kurtosis	-0.26358
USS	1.349135	CSS	0.057799
CV	23.65346	Std Mean	0.053758
T:Mean=0	9.453448	Prob>|T|	0.0007
Sgn Rank	7.5	Prob>|S|	0.0625
Num ^= 0	5		
W:Normal	0.971637	Prob<W	0.8767

Quantiles(Def=5)

100% Max	0.663	99%	0.663
75% Q3	0.549	95%	0.663
50% Med	0.543	90%	0.663
25% Q1	0.44	10%	0.346
0% Min	0.346	5%	0.346
		1%	0.346
Range	0.317		
Q3-Q1	0.109		
Mode	0.346		

Extremes

Lowest	Obs	Highest	Obs
0.346(	5)	0.346(	5)
0.44(	1)	0.44(	1)
0.543(	3)	0.543(	3)
0.549(	2)	0.549(	2)
0.663(	4)	0.663(	4)

```
Stem Leaf                    #          Boxplot
   6 6                       1             |
   6                                       |
   5 5                       1          +-----+
   5 4                       1          *--+--*
   4                                    |     |
   4 4                       1          +-----+
   3 5                       1             |
   3
     ----+----+----+----+
Multiply Stem.Leaf by 10**-1
```

Normal Probability Plot

```
0.675+                                                  *+++
     |                                                ++++
     |                                            ++++
     |                                        *+++ *
     |                                    ++++
     |                                ++++*
     |                            ++++
     |                        ++++ *
0.325+
     +----+----+----+----+----+----+----+----+----+----+
         -2        -1         0        +1        +2
```

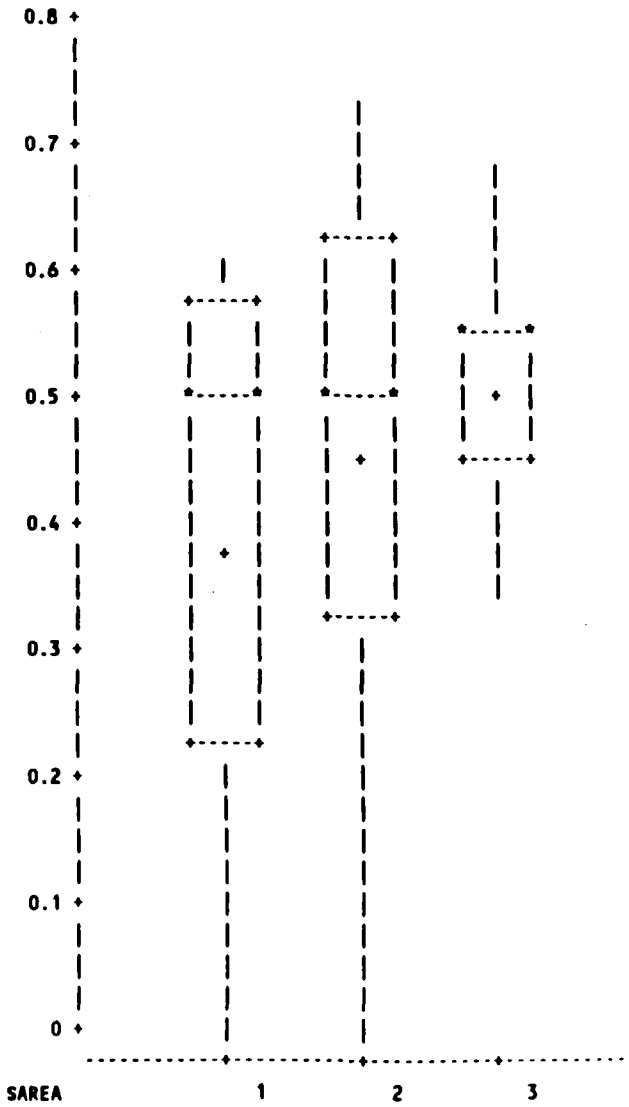
NLI 002 1805

Descriptive Statistics by Area
Peromyscus Adults: Males
National Lead

14:59 Wednesday, October 14, 19

UNIVARIATE PROCEDURE
Schematic Plots

Variable=TESTISTO



NLI 002 1806

Test for Normality
Peromyscus Adults

14:59 Wednesday, October 14, 19

UNIVARIATE PROCEDURE

Variable=ADRENALS

Moments

N	34	Sum Wgts	34
Mean	0.008176	Sum	0.278
Std Dev	0.004994	Variance	0.000025
Skewness	0.614851	Kurtosis	0.038483
USS	0.003096	CSS	0.000823
CV	61.07473	Std Mean	0.000856
T:Mean=0	9.547242	Prob>|T|	0.0001
Sgn Rank	264	Prob>|S|	0.0001
Num ^= 0	32		
W:Normal	0.955147	Prob<W	0.2202

Quantiles(Def=5)

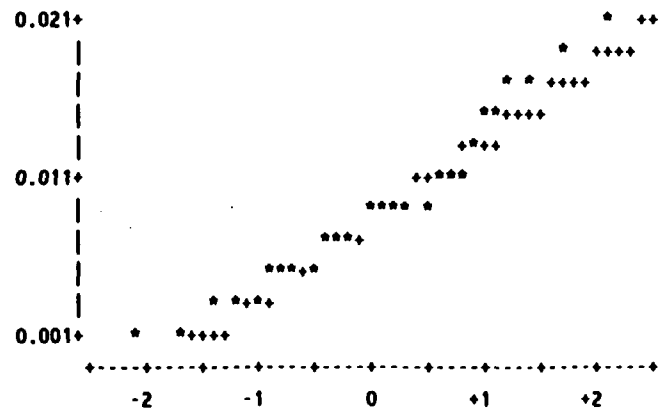
100% Max	0.02	99%	0.02
75% Q3	0.011	95%	0.019
50% Med	0.008	90%	0.016
25% Q1	0.005	10%	0.003
0% Min	0	5%	0
		1%	0
Range	0.02		
Q3-Q1	0.006		
Mode	0.008		

Extremes

Lowest	Obs	Highest	Obs
0(	22)	0.014(	26)
0(	8)	0.016(	17)
0.002(	11)	0.016(	25)
0.003(	24)	0.019(	7)
0.003(	16)	0.02(	9)

```
Stem Leaf                     #             Boxplot
  20 0                        1                0
  18 0                        1                |
  16 00                       2                |
  14 00                       2                |
  12 0                        1                |
  10 000                      3             +-----+
   8 00000000                 8             *--+--*
   6 00000                    5             |     |
   4 00000                    5             +-----+
   2 0000                     4                |
   0 00                       2                |
     ----+----+----+----+
Multiply Stem.Leaf by 10**-3
```

Normal Probability Plot



NLI 002 1807

Descriptive Statistics by Area
Peromyscus Adults
National Lead

14:59 Wednesday, October 14, 19

---------- SAREA=1 ----------

UNIVARIATE PROCEDURE

Variable=ADRENALS

Moments

N	11	Sum Wgts	11
Mean	0.009545	Sum	0.105
Std Dev	0.006283	Variance	0.000039
Skewness	0.334291	Kurtosis	-0.36415
USS	0.001397	CSS	0.000395
CV	65.8191	Std Mean	0.001894
T:Mean=0	5.039	Prob>|T|	0.0005
Sgn Rank	27.5	Prob>|S|	0.0020
Num ^= 0	10		
W:Normal	0.951924	Prob<W	0.6464

Quantiles(Def=5)

100% Max	0.02	99%	0.02
75% Q3	0.014	95%	0.02
50% Med	0.009	90%	0.019
25% Q1	0.005	10%	0.002
0% Min	0	5%	0
		1%	0
Range	0.02		
Q3-Q1	0.009		
Mode	0.008		

Extremes

Lowest	Obs	Highest	Obs
0(	8)	0.009(	4)
0.002(	11)	0.011(	2)
0.005(	6)	0.014(	5)
0.008(	10)	0.019(	7)
0.008(	3)	0.02(	9)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   2 0                       1             |                0.0225+                                  *++++++++
   1 9                       1             |                     |                              ++*+++++
   1 14                      2          +--+--+             0.0125+                       ++++*+*+
   0 58899                   5          *-----*                  |                 *+*++++*
   0 02                      2             |                0.0025+        *++++*+++
     ----+----+----+----+                                        +----+----+----+----+----+----+----+----+----+----+
 Multiply Stem.Leaf by 10**-2                                        -2        -1         0        +1        +2
```

NLI 002 1808

Descriptive Statistics by Area
Peromyscus Adults
National Lead

14:59 Wednesday, October 14, 19

---------- SAREA=2 ----------

UNIVARIATE PROCEDURE

Variable=ADRENALS

Moments

N	14	Sum Wgts	14
Mean	0.007071	Sum	0.099
Std Dev	0.004763	Variance	0.000023
Skewness	0.805422	Kurtosis	0.121482
USS	0.000995	CSS	0.000295
CV	67.35651	Std Mean	0.001273
T:Mean=0	5.555005	Prob>|T|	0.0001
Sgn Rank	45.5	Prob>|S|	0.0002
Num ^= 0	13		
W:Normal	0.909228	Prob<W	0.1520

Quantiles(Def=5)

100% Max	0.016	99%	0.016
75% Q3	0.008	95%	0.016
50% Med	0.0065	90%	0.016
25% Q1	0.003	10%	0.003
0% Min	0	5%	0
		1%	0
Range	0.016		
Q3-Q1	0.005		
Mode	0.003		

Extremes

Lowest	Obs	Highest	Obs
0(	11)	0.008(	8)
0.003(	13)	0.008(	9)
0.003(	5)	0.012(	3)
0.003(	1)	0.016(	6)
0.005(	4)	0.016(	14)

```
Stem Leaf                    #          Boxplot                          Normal Probability Plot
   1 66                      2             0                0.0175+                                  *    *++++++++
   1 2                       1             |                      |                             ++*+++++++
   0 5567788                 7          +--+--+                   |                  *+*+*+*+++*+
   0 0333                    4          +-----+            0.0025+        *  ++*++++*++
     ----+----+----+----+                                       +----+----+----+----+----+----+----+----+----+----+
Multiply Stem.Leaf by 10**-2                                        -2        -1         0        +1        +2
```

NLI 002 1809

Descriptive Statistics by Area
Peromyscus Adults
National Lead

14:59 Wednesday, October 14, 19

---------- SAREA=3 ----------

UNIVARIATE PROCEDURE

Variable=ADRENALS

Moments

N	9	Sum Wgts	9
Mean	0.008222	Sum	0.074
Std Dev	0.003456	Variance	0.000012
Skewness	0.249933	Kurtosis	-0.96933
USS	0.000704	CSS	0.000096
CV	42.03333	Std Mean	0.001152
T:Mean=0	7.137194	Prob>|T|	0.0001
Sgn Rank	22.5	Prob>|S|	0.0039
Num ^= 0	9		
W:Normal	0.933519	Prob<W	0.5091

Quantiles(Def=5)

100% Max	0.014	99%	0.014
75% Q3	0.011	95%	0.014
50% Med	0.009	90%	0.014
25% Q1	0.006	10%	0.004
0% Min	0.004	5%	0.004
		1%	0.004
Range	0.01		
Q3-Q1	0.005		
Mode	0.004		

Extremes

Lowest	Obs	Highest	Obs
0.004(	4)	0.009(	7)
0.004(	2)	0.009(	9)
0.006(	6)	0.011(	5)
0.006(	3)	0.011(	8)
0.009(	9)	0.014(	1)

```
Stem Leaf                    #          Boxplot
  14 0                       1             |
  12                                       |
  10 00                      2          +-----+
   8 00                      2          *--+--*
   6 00                      2          +-----+
   4 00                      2             |
     ----+----+----+----+
Multiply Stem.Leaf by 10**-3
```

Normal Probability Plot

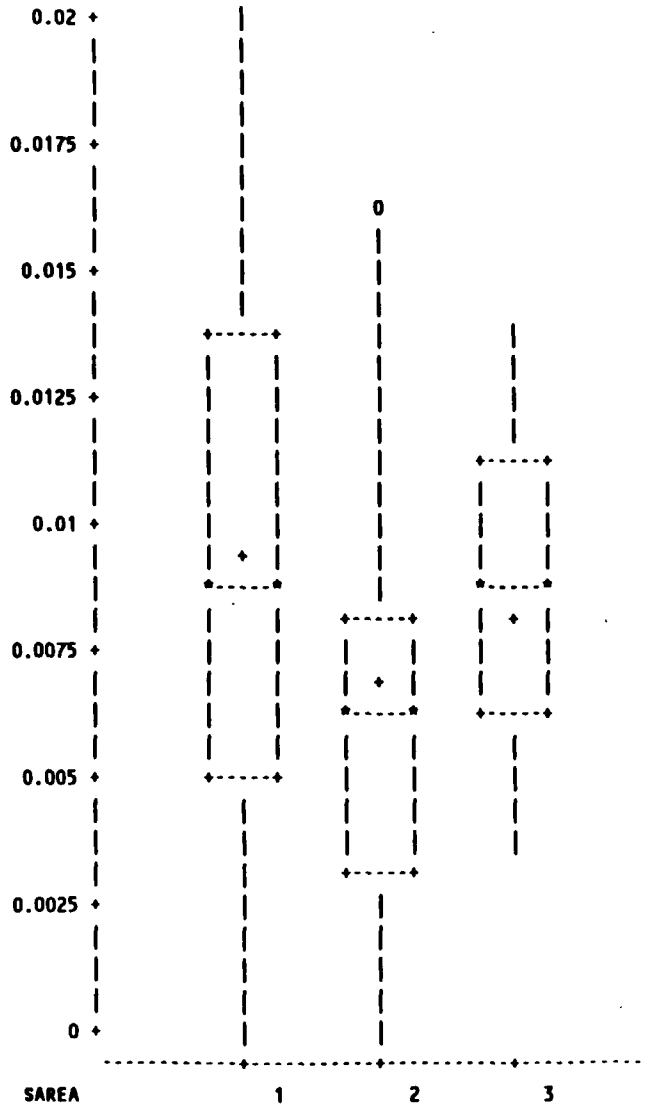
```
0.015+                                                  * ++++++
     |                                                 ++++++
     |                                            *++*+
     |                                       *++*++
     |                                  *++*++
     |                             *++*++
0.005+                   *  +++*++
     +----+----+----+----+----+----+----+----+----+----+
         -2        -1         0        +1        +2
```

NLI 002 1810

Descriptive Statistics by Area
Peromyscus Adults
National Lead

UNIVARIATE PROCEDURE
Schematic Plots

Variable=ADRENALS



NLI 002 1811

Appendix H

Appendix H

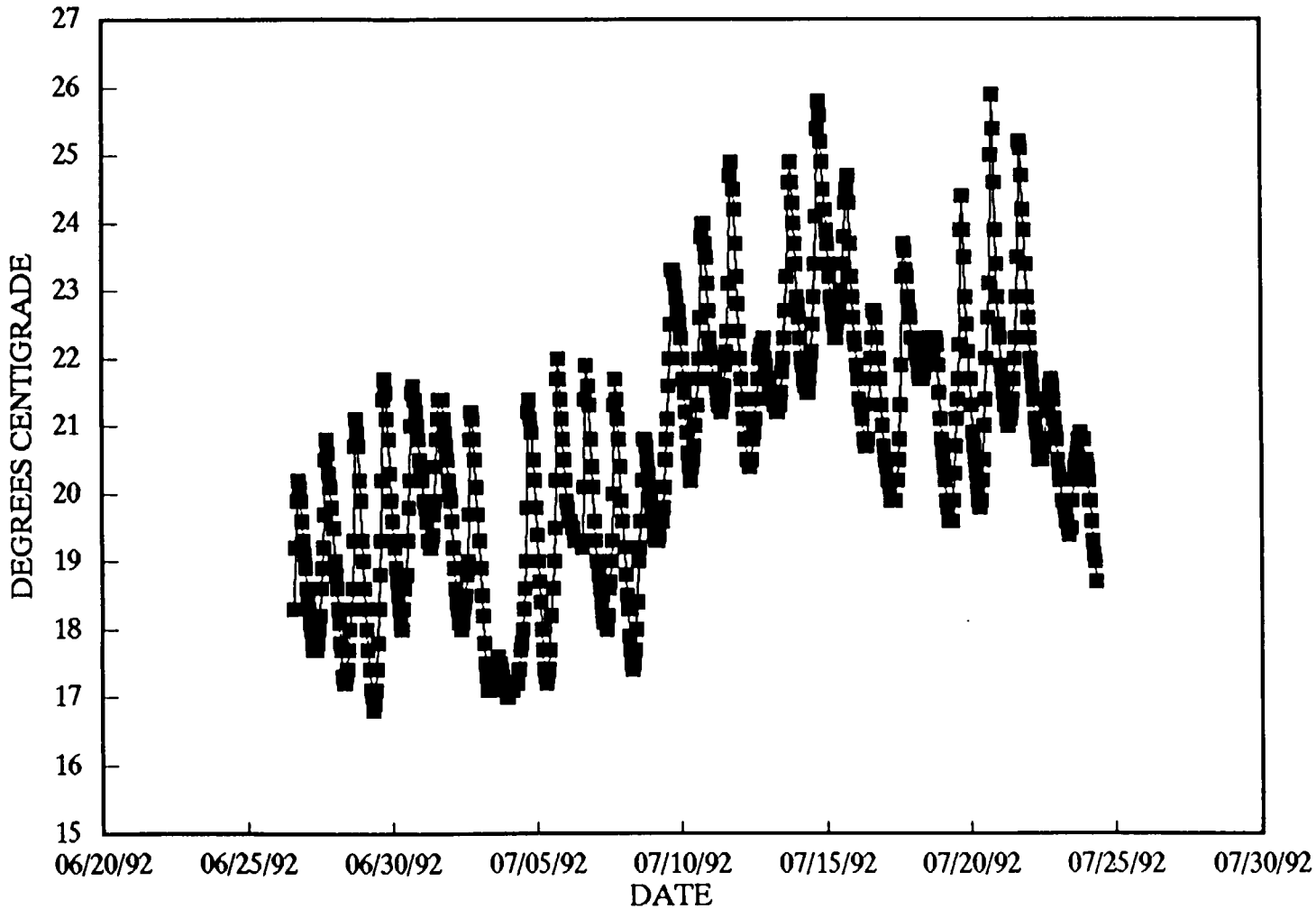
NLI 002 1812

APPENDIX H
TempMentor Results
National Lead Site

/bovitz/fr-4643

NLI 002 1813

DAILY SOIL TEMPERATURES FROM NATIONAL LEAD SITE
JUNE 26 – JULY 30, 1992



Ryan TempMentor 1.1
1 hours / sample
~~max. = 29.3 degrees C.~~ 25.9 on 7/20/92
min. = 16.8 degrees C. on 6/29/92
06/26/92 11:58:00 SN903985 #009
NATIONAL LEAD - PHASE I, EARTHWORM CHAMBER TEST.

22.3] Disregard → not room & van temp's
29.3
28.6

6/26/92 18.3 ← 3:00 PM
19.2
19.9
20.2 ← 6:00 PM
20.1
19.9
19.6
19.3
19.1
18.9

6/27/92 18.6
18.4
18.3
18.1
18.0
17.8 ← 6:00 AM
17.7
17.7
17.7
17.8
18.0
18.2 ← 12:00 PM
18.6
18.9
19.2
19.7
20.5
20.8 ← 6:00 PM
20.6
20.3
20.1
19.8
19.5
19.0

6/28/92 18.8
18.6
18.3
18.1
17.8
17.7 ← 6:00 AM
17.3
17.2
17.2
17.3

NLI 002 1815

	17.4	
	17.7	← 12:00 PM
	18.0	
	18.3	
	18.6	
	19.3	
	20.7	
	21.1	← 6:00 PM
	20.9	
	20.7	
	20.2	
	19.9	
	19.3	
	19.0	
6/29/02	18.6	
	18.3	
	18.0	
	17.7	
	17.4	
	17.1	— 6:00 AM
	17.0	
	16.8	
	16.9	
	17.1	
	17.4	
	17.8	← 12:00 PM
	18.3	
	18.8	
	19.3	
	20.2	
	21.4	
	21.7	— 6:00 PM
	21.5	
	21.1	
	20.8	
	20.3	
	19.9	
	19.6	
6/30/02	19.3	
	19.2	
	18.9	
	18.7	
	18.5	
	18.3	← 6:00 AM
	18.1	
	18.0	
	18.0	
	18.3	
	18.6	
	18.8	← 12:00 PM
	19.3	
	19.8	
	20.2	
	21.0	

NLI 002 1816

21.5
21.6 ← 6:00 PM
21.4
21.4
21.2
21.0
20.8
20.5

= 92

20.4
20.2
19.9
19.8
19.6
19.3 ← 6:00 AM
19.3
19.2
19.3
19.4
19.7
19.9 ← 12:00 PM
20.4
20.8
21.1
21.4
21.4
21.4 ← 6:00 PM
21.1
20.9
20.7
20.5
20.2
20.0

= 92

19.9
19.6
19.2
18.9
18.6
18.4 ← 6:00 AM
18.3
18.1
18.0
18.1
18.3
18.4 ← 12:00 PM
18.5
18.8
19.0
19.7
20.8
21.2 ← 6:00 PM
21.1
20.8
20.5
20.1

NLI 002 1817

	19.7	
	19.3	
7/3/92	18.9	
	18.5	
	18.2	
	17.8	
	17.5	
	17.3	← 6:00 AM
	17.1	
	17.1	
	17.1	
	17.1	
	17.2	
	17.4	← 12:00 PM
	17.4	
	17.5	
	17.6	
	17.5	
	17.5	
	17.4	← 6:00 PM
	17.3	
	17.1	
	17.1	
	17.1	
	17.0	
	17.0	
7/4/92	17.1	
	17.1	
	17.1	
	17.1	
	17.2	
	17.2	← 6:00 AM
	17.2	
	17.4	
	17.4	
	17.7	
	17.8	
	18.0	← 12:00 PM
	18.3	
	18.6	
	19.0	
	19.8	
	21.2	
	21.4	← 6:00 PM
	21.1	
	20.9	
	20.5	
	20.2	
	19.8	
	19.4	
7/5/92	19.0	
	18.7	
	18.4	
	18.0	

NLI 002 1818

	17.7	
	17.4	← 6:00 AM
	17.3	
	17.2	
	17.3	
	17.4	
	17.7	
	18.2	← 12:00 PM
	18.6	
	19.0	
	19.5	
	20.2	
	21.7	
	22.0	← 6:00 PM
	21.7	
	21.4	
	21.1	
	20.8	
	20.5	
	20.2	
7/5/92	19.9	
	19.8	
	19.6	
	19.6	
	19.5	
	19.5	← 6:00 AM
	19.3	
	19.3	
	19.3	
	19.3	
	19.3	
	19.3	← 12:00 PM
	19.3	
	19.2	
	19.3	
	20.1	
	21.4	
	21.9	← 6:00 PM
	21.6	
	21.3	
	20.8	
	20.4	
	20.1	
	19.6	
7/7/92	19.3	
	19.0	
	19.0	
	18.8	
	18.6	
	18.4	← 6:00 AM
	18.2	
	18.1	
	18.1	
	18.0	

NLI 002 1819

	18.2	
	18.6	← 12:00 PM
	18.7	
	19.0	
	19.3	
	20.0	
	21.3	
	21.7	← 6:00 PM
	21.4	
	21.1	
	20.8	
	20.4	
	19.9	
	19.6	
7/6/92	19.2	
	18.8	
	18.5	
	18.3	
	17.9	
	17.7	← 6:00 AM
	17.5	
	17.4	
	17.5	
	17.7	
	18.0	
	18.4	← 12:00 PM
	19.0	
	19.2	
	19.6	
	20.2	
	20.8	
	20.8	← 6:00 PM
	20.7	
	20.5	
	20.3	
	20.1	
	19.9	
	19.8	
7/9/92	19.6	
	19.4	
	19.3	
	19.3	
	19.3	
	19.4	← 6:00 AM
	19.6	
	19.6	
	19.8	
	20.1	
	20.5	
	20.8	← [illegible]
	21.1	
	21.6	
	22.0	
	22.5	

NLI 002 1820

23.3
23.3 ← [illegible]
23.2
23.1
22.9
22.7
22.5
22.3
22.0
21.7
21.5
21.2
20.9
20.6 ← [illegible]
20.4
20.2
20.4
20.5
20.7
21.0 ← [illegible]
21.3
21.7
22.0
22.6
23.8
24.0 ← [illegible]
24.0
23.7
23.5
23.1
22.7
22.3
22.1
22.0
21.7
21.7
21.6
21.4 ← [illegible]
21.3
21.3
21.2
21.3
21.4
21.6 ← [illegible]
21.9
22.1
22.4
23.1
24.7
24.9 ← [illegible]
24.5
24.2
23.7
23.2

NLI 002 1821

22.8
22.4
22.0
21.7
21.4
21.1
20.8
20.8
20.5
20.5
20.4
20.5
20.8
20.9
21.1
21.4
21.4
21.7
22.0
22.1
22.2
22.2
22.3
22.0
21.9
21.7
21.6
21.5
21.4
21.4
21.3
21.3
21.2
21.2
21.3
21.3
21.5
21.8
22.0
22.3
22.7
23.2
24.6
24.9
24.6
24.3
24.0
23.7
23.4
22.9
22.8
22.6
22.3
22.0

NLI 002 1822

21.9
21.7
21.6
21.5
21.5
21.7
21.9
22.1
22.5
22.9
23.4
24.1
25.4
25.8
25.6
25.2
24.9
24.5
24.2
23.9
23.7
23.4
23.2
22.9
22.8
22.6
22.5
22.3
22.3
22.5
22.6
22.8
23.0
23.4
23.8
24.3
24.5
24.7
24.3
23.7
23.2
22.9
22.6
22.3
22.2
21.9
21.7
21.4
21.2
21.1
20.8
20.7
20.7
20.7

NLI 002 1823

20.8
21.3 ← 12:00 AM
21.7
22.0
22.3
22.7
22.7
22.6 ← [illegible] PM
22.3
22.0
21.7
21.3
21.0
20.7
7/[illegible]/[illegible] 20.5
20.4
20.2
20.2
20.1
19.9 ← [illegible] AM
19.9
19.9
19.9
19.9
20.2
20.5 ← 12:00 PM
20.8
21.3
21.9
23.2
23.7
23.6 ← [illegible]
23.3
23.2
22.9
22.7
22.6
22.3
7/12/[illegible] 22.3
22.3
22.1
22.0
21.8
21.7 ← [illegible] AM
21.7
21.7
21.7
21.8
22.0
22.0 ← [illegible] PM
22.3
22.2
22.2
22.1

NLI 002 1824

	22.1	
	22.2	← 6 00 PM
	22.3	
	22.2	
	21.9	
	21.5	
	21.1	
	20.8	
	20.6	
7/19/02	20.4	
	20.2	
	19.9	
	19.8	
	19.6	← 6 00 AM
	19.6	
	19.6	
	19.9	
	20.3	
	20.7	
	21.1	← 12 00 PM
	21.4	
	21.7	
	22.2	
	23.9	
	24.4	
	23.9	← 6 00 PM
	23.5	
	22.9	
	22.5	
	22.1	
	21.7	
	21.3	
	20.9	
7/20/02	20.7	
	20.5	
	20.3	
	20.1	
	19.9	← 6 00 AM
	19.8	
	19.9	
	20.2	
	20.5	
	21.0	
	21.4	← 12 00 PM
	22.0	
	22.6	
	23.1	
	25.0	
	25.9	
	25.4	← 6 00 PM
	24.6	
	23.9	
	23.4	
	22.9	

NLI 002 1825

22.5
22.3
21.9
21.7
21.5
21.3
21.1
21.0 ← 6:00 AM
21.1
21.1
21.2
21.4
21.7
22.0 ← 12:00 PM
22.3
22.9
23.5
25.2
25.1
24.7 ← 6:00 PM
24.2
23.9
23.4
22.9
22.6
22.3
22.0
21.8
21.6
21.4
21.1
20.9 ← [illegible] AM
20.7
20.5
20.5
20.5
20.5
20.7 ← 12:00 AM
20.8
21.2
21.4
21.3
21.6
21.7 ← 6:00 AM
21.6
21.4
21.1
20.9
20.8
20.5
20.3
20.2
19.9
19.9

NLI 002 1826

19.8
19.6 ← 6:00AM
19.6
19.5
19.4
19.5
19.5
19.9 ← 12:00 PM
20.2
20.4
20.5
20.6
20.8
20.9 ← [illegible]
20.8
20.8
20.8
20.5
20.5
20.4
20.2
19.9
19.9
19.6
19.3
19.1 ← 6:00 AM
19.0
18.7
17.0 Discovered – temp of cooler

NLI 002 1827

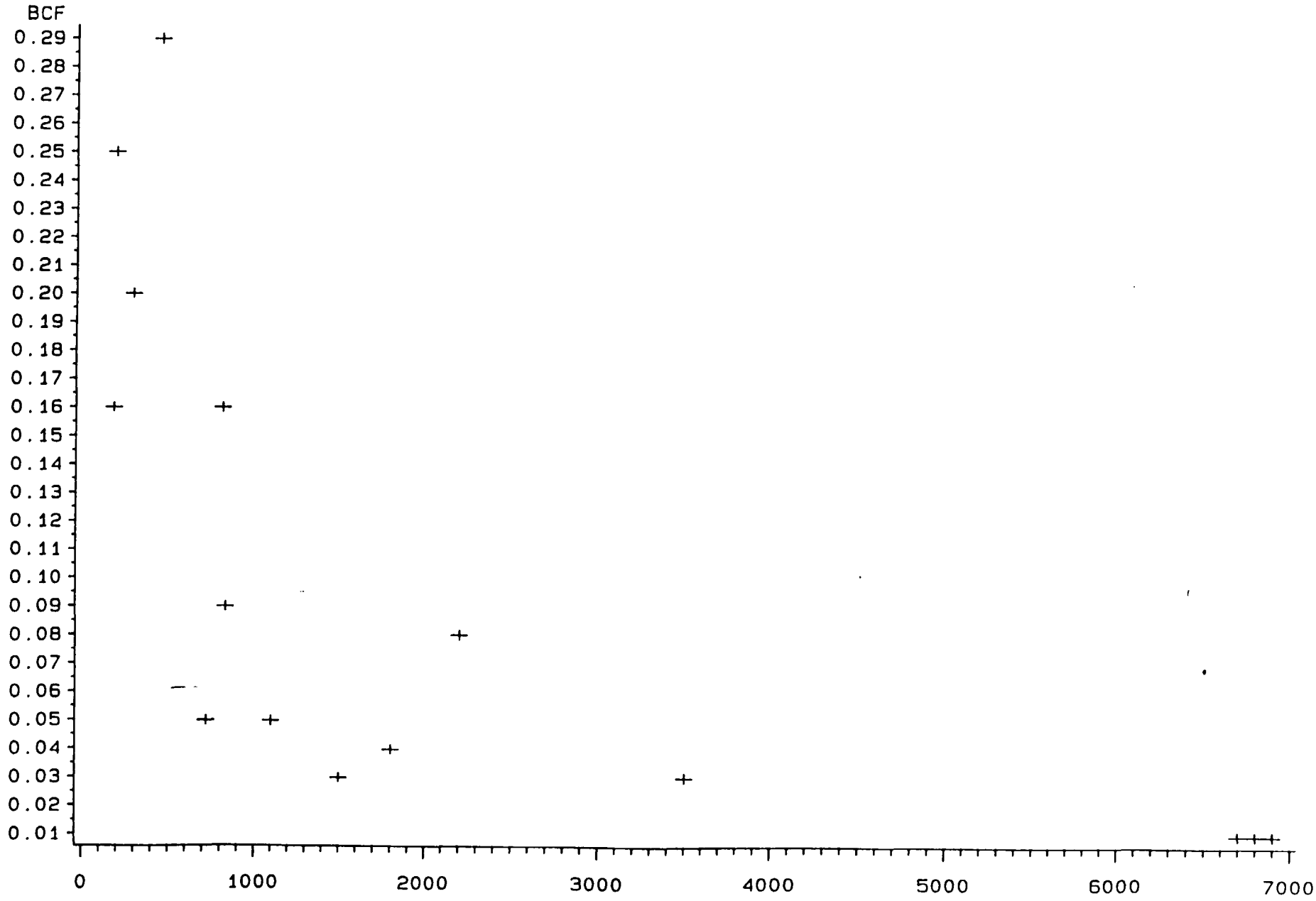
Appendix I

NLI 002 1828

APPENDIX I
Earthworm Bioconcentration Factors (BCFs) Versus Soil Contamination
National Lead Site

/bovitz/fr-4643

NLI 002 1829


BCF
0.29
0.28
0.27
0.26
0.25
0.24
0.23
0.22
0.21
0.20
0.19
0.18
0.17
0.16
0.15
0.14
0.13
0.12
0.11
0.10
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
1000
2000
3000
4000
5000
6000
7000
SOILCONC

NLI 002 1830

Appendix J

NLI 002 1831

APPENDIX J
Small Mammal Data Sheets and Trapping Summary
National Lead Site

/bovitz/fr-4643

NLI 002 1832

Appendix J
Database Entries of Small Mammals
National Lead Site
Final Report - November, 1992

ANIMAL #	SPECIES	SEX	MATURITY	TRAP LOCATION	WEIGHT (G)	DATE COLLECTED	TOTAL LENGTH	AREA
18108	PEROMYSCUS LEUCOPUS	F	ADULT	III-14-10	24.350	08/26/92	164	3
18109	PEROMYSCUS LEUCOPUS	M	ADULT	III-12-2	15.913	08/26/92	150	2
18110	PEROMYSCUS LEUCOPUS	M	ADULT	III-1-4	24.641	08/26/92	157	1
18111	PEROMYSCUS LEUCOPUS	F	ADULT	I-3-4	19.126	08/26/92	150	1
18112	PEROMYSCUS LEUCOPUS	M	ADULT	III-12-10	21.726	08/26/92	165	3
18113	PEROMYSCUS LEUCOPUS	M	ADULT	III-5-10	24.054	08/26/92	154	3
18114	PEROMYSCUS LEUCOPUS	F	ADULT	II-8-9	21.551	08/26/92	167	2
18115	PEROMYSCUS LEUCOPUS	F	ADULT	II-15-1	34.007	08/26/92	180	2
18116	PEROMYSCUS LEUCOPUS	M	ADULT	III-8-3	21.001	08/26/92	181	3
18117	PEROMYSCUS LEUCOPUS	F	ADULT	III-8-6	28.749	08/26/92	174	3
18118	PITYMYS PINETORUM	M	SUBADULT	II-11-5	28.581	08/26/92	107	2
18119	PITYMYS PINETORUM	M	ADULT	II-11-9	27.614	08/26/92	125	2
18120	PEROMYSCUS LEUCOPUS	F	ADULT	II-10-10	18.937	08/26/92	158	2
18121	PITYMYS PINETORUM	F	SUBADULT	II-11-6	14.897	08/26/92	95	2
18122	PITYMYS PINETORUM	M	SUBADULT	II-11-8	13.612	08/26/92	103	2
18123	PEROMYSCUS LEUCOPUS	F	ADULT	III-1-8	24.537	08/26/92	167	3
18124	PEROMYSCUS LEUCOPUS	M	ADULT	IA-7-4	26.015	08/27/92	165	1A
18125	PEROMYSCUS LEUCOPUS	F	ADULT	IA-5-9	27.214	08/27/92	148	1A
18126	PEROMYSCUS LEUCOPUS	M	ADULT	IA-7-5	20.119	08/27/92	162	1A
18127	PEROMYSCUS LEUCOPUS	F	ADULT	IA-5-3	20.410	08/27/92	155	1A
18128	PEROMYSCUS LEUCOPUS	F	ADULT	IA-5-10	18.480	08/27/92	158	1A
18129	PEROMYSCUS LEUCOPUS	M	ADULT	II-9-3	21.479	08/27/92	153	2
18130	PEROMYSCUS LEUCOPUS	F	SUBADULT	IA-10-10	14.845	08/27/92	165	1A
18131	PEROMYSCUS LEUCOPUS	M	ADULT	II-9-1	23.796	08/27/92	165	2
18132	PEROMYSCUS LEUCOPUS	M	ADULT	III-1-5	23.000	08/27/92	157	3
18133	PEROMYSCUS LEUCOPUS	F	ADULT	II-1-8	20.263	08/27/92	155	2
18134	PEROMYSCUS LEUCOPUS	F	ADULT	III-13-4	23.982	08/27/92	170	3
18135	PEROMYSCUS LEUCOPUS	F	ADULT	IA-0-2	21.732	08/27/92	178	1A
18136	PEROMYSCUS LEUCOPUS	M	ADULT	III-10-7	17.713	08/27/92	158	3
18137	PEROMYSCUS LEUCOPUS	F	ADULT	I-13-7	22.562	08/27/92	162	1
18138	PEROMYSCUS LEUCOPUS	F	SUBADULT	III-12-8	15.526	08/27/92	140	3
18139	PEROMYSCUS LEUCOPUS	F	ADULT	II-15-10	13.338	08/27/92	165	2
18140	PITYMYS PINETORUM	M	ADULT	II-9-8	27.295	08/27/92	116	2
18141	PITYMYS PINETORUM	F	SUBADULT	II-12-7	23.805	08/27/92	121	2
18142	PITYMYS PINETORUM	M	SUBADULT	III-12-7	21.460	08/26/92	115	3
18143	PITYMYS PINETORUM	M	ADULT	II-11-8	26.173	08/27/92	117	2
18144	BLARINA BREVICAUDA	M	JUVENILE	IA-0-1	15.386	08/27/92	111	1A
18145	PEROMYSCUS LEUCOPUS	M	ADULT	II-15-10	23.040	08/28/92	162	2
18146	PEROMYSCUS LEUCOPUS	M	ADULT	II-9-1	23.466	08/28/92	151	2
18147	PEROMYSCUS LEUCOPUS	M	JUVENILE	II-12-1	11.801	08/28/92	124	2
18148	PEROMYSCUS LEUCOPUS	M	ADULT	II-9-1	21.240	08/28/92	168	2
18149	PEROMYSCUS LEUCOPUS	M	ADULT	IA-7-8	24.790	08/27/92	168	1A
18150	PEROMYSCUS LEUCOPUS	M	ADULT	II-9-9	22.744	08/28/92	160	2
18151	PEROMYSCUS LEUCOPUS	M	ADULT	II-10-1	20.146	08/28/92	173	2
18152	PEROMYSCUS LEUCOPUS	M	ADULT	I-0-4	20.041	08/27/92	166	1
18153	PEROMYSCUS LEUCOPUS	M	ADULT	II-10-1	23.800	08/28/92	171	2
18154	PEROMYSCUS LEUCOPUS	F	SUBADULT	II-5-1	17.441	08/27/92	155	2
18155	PEROMYSCUS LEUCOPUS	M	ADULT	II-12-9	26.134	08/28/92	118	2
18156	PITYMYS PINETORUM	M	ADULT	II-9-8	24.618	08/28/92	125	2
18157	BLARINA BREVICAUDA	M	ADULT	II-15-1	19.554	08/28/92	122	2
18158	PITYMYS PINETORUM	F	ADULT	II-13-4	28.982	08/27/92	125	2
18159	PITYMYS PINETORUM	M	ADULT	II-3-10	25.308	08/27/92	124	2

NLI 002 1833

Site Name National Lead (3-643) Date Collected 8/26/92

Collector Munney

Processor Phil Kim / Indelicato Date Processed 8/26/92

Trap Type Museum Special Live Dead (circle one)

Genus Peromyscus Species leucopus

Total(mm) 164 Tail 75 Hind Foot 20 Ear 16

Weight(g) 24.350 (WHOLE) / 22.150 (AFTER GI REMOVAL) Partial Whole (circle one)

Ectoparasites: Y N Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L NA W NA

R Testicle: L NA W NA

Testicle Wt: L NA R NA C NA

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L — W —

Right Ovary L — W —

Ovary Weight L — R — C —

Placental Scars L — R —

Embryos L 2 R 3 (If present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries — w/o Ovaries —

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.617	Y N	form	
Spleen	0.095	Y N	0°C	
Adrenal 0.014L	0.015R 0.026C	Y N	0°C	
Kidney 0.472L	0.188R 0.358C	Y N	form	
Thymus	Not Found	Y N		
Colon		Y N	0°C	
		Y N		
		Y N		

(over)

NLI 002 1834

Site Name National Lead (3-643) Date Collected 8/26/92

Collector Bovitz

Processor P. Kim Date Processed 8/26/92

Trap Type Museum Special Live Dead (circle one)

Genus Peromyscus Species leucopus

Total(mm) 150 Tail 67 Hind Foot 20 Ear 16

Weight(g) 15.913 Partial Whole* (circle one) Animal missing left foot

Ectoparasites: Y N Fleas Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L 10 W 6

R Testicle: L 9 W 6

Testicle Wt: L 0.163 R 0.159 C 0.322

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L W

Right Ovary L W

Ovary Weight L R C

Placental Scars L R

Embryos L R (If present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries w/o Ovaries

N/A

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	0.940	Y N	Form	
Spleen	0.028	Y N	0° ~~Form~~	
Adrenal	L 0.003 R 0.002 L 0.006	Y N	0°C	
Kidney	L 0.035 R 0.140 C 0.228	Y N	Form	Left kidney partial
Thymus	—	Y N		Not found
Colon		Y N	0°C	
Testes		Y N	Bouin's	
		Y N		

(over)

NLI 002 1835

Site Name National Lead (3-643) Date Collected 26 August 1992

Collector Bovitz

Processor Kracko Date Processed 26 August 1992

Trap Type Museum Special Live (Dead) (circle one)

Genus Peromyscus Species leucopus

Total(mm) 157 Tail 73 Hind Foot 19 Ear 18

Weight(g) 24.641 / 20.721* Partial (Whole) (circle one)

Ectoparasites: Y (N) Saved Discarded (circle one)

Endoparasites: Y (N) Saved Discarded (circle one)

Male

L Testicle: L 115 W 7

R Testicle: L 12 W 7

Testicle Wt: L 0.277 R 0.297 C 0.578

Seminal Vesicle: Small (Large) (circle one)

Epididymis: (Conv.) Not Conv. (circle one)

Female

Left Ovary L____ W____

Right Ovary L____ W____

Ovary Weight L____ R____ C____

Placental Scars L____ R____

Embryos L____ R____ (If present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries ____ w/o Ovaries ____

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.321	(Y) N	Formal.	
Spleen	0.074	Y (N)	0°C	
Adrenal	L 0.009 R 0.006 C 0.013	Y (N)	0°C	
Kidney	L 0.217 R 0.258 C 0.475	N	Formal	
Thymus	0.018	Y (N)	0°C	
Colon		Y (N)	0°C	
Testes		Y (N)	Bouin's	
		Y N		

(over)

NLI 002 1836

Site Name National Lead (3-643) Date Collected 8/26/92

Collector Mooney

Processor P. Kim Date Processed 8/26/92

Trap Type Museum Special Live (Dead) (circle one)

Genus Peromyscus Species leucopus

Total(mm) 150 Tail 69 Hind Foot 20 Ear 17

Weight(g) whole 19.126 / Partial (Whole) (circle one)

Ectoparasites: Y (N) Saved Discarded (circle one)

Endoparasites: Y (N) Saved Discarded (circle one)

Male

L Testicle: L____ W____

R Testicle: L____ W____

Testicle Wt: L____ R____ C____

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L — W — See reverse

Right Ovary L 1.5 W ~~2~~ 1 OK

Ovary Weight L — R 0.009 C —

Placental Scars L — R —

Embryos L — R — (If present, use worksheet on back to record metrics)

Mammaries: (Small) Large Lactating (circle one)

Vagina: Inactive (Cornified) Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries Uterus undeveloped w/o Ovaries —

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	0.983	(Y) N	form	
Spleen	0.045	Y (N)	0°C	
Adrenal	L 0.011 R 0.009 C 0.018	Y (N)	0°C	
Kidney	L 0.162 R 0.195 C 0.357	(Y) N	form	
Thymus	0.004	Y (N)	0°C	
Colon		Y (N)	0°C	
		Y N		
		Y N		

(over)

NLI 002 1837

Site Name National Lead (3-643) Date Collected 8-26-92

Collector GROSSMAN

Processor K INDELICATO Date Processed 8-26-92

Trap Type MUSEUM SPECIAL Live (Dead) (circle one)

Genus PEROMYSCUS Species LEUCOPUS

Total(mm) 165 Tail 75 Hind Foot 20 Ear 18

Weight(g) 21.726 / 19.312 Partial Whole (circle one)

Ectoparasites: Y (N) Saved Discarded (circle one)

Endoparasites: Y (N) Saved Discarded (circle one)

(Male)

L Testicle: L 10 W 7

R Testicle: L 11 W 8

Testicle Wt: L 0.214 R 0.227 C 0.440

Seminal Vesicle: Small (Large) (circle one)

Epididymis: (Conv.) Not Conv. (circle one)

Female

Left Ovary L___ W___

Right Ovary L___ W___

Ovary Weight L___ R___ C___

Placental Scars L___ R___

Embryos L___ R___ (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries ___ w/o Ovaries ___

ORGAN	WEIGHT	HISTO		PRESERV.	COMMENTS
Liver	1.280	(Y)	N	Formald	
Spleen	0.045	Y	N		
Adrenal R-0.008	L-0.004	L-0.010 Y	N		
Kidney R-0.186	L-0.171	L-0.304 (Y)	N	Formald.	
Thymus	0.007	Y	N		
Testes		(Y)	N	Bouin	
Body		Y	N	0°C	
Colon		Y	N	0°C	

NLI 002 1838

(over)

Site Name National Lead (3-643) Date Collected 26 Aug 92

Collector Bovitz

Processor Kracko Date Processed 26 Aug 92

Trap Type Museum Special Live Dead (circle one)

Genus Peromyscus Species leucopus

Total(mm) 154 Tail 70 Hind Foot 20 Ear 14

Weight(g) ~~24.059~~ /EK 24.054 Partial Whole (circle one) (24.054)

Ectoparasites: Y N Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L 9 W 5.5

R Testicle: L ~~22~~ EE 12 W 6

Testicle Wt: L 0.206 R 0.347 C 0.549

Seminal Vesicle: ?/n Small Large (circle one)

Epididymis: ?/a Conv. Not Conv. (circle one)

Female

Left Ovary L____ W____

Right Ovary L____ W____

Ovary Weight L____ R____ C____

Placental Scars L____ R____

Embryos L____ R____ (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries ____ w/o Ovaries ____

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.299	Y N	Formal	
Spleen	0.073	Y N	0°C	
Adrenal	L 0.006 R 0.004	Y N	0°C	Combined 0.018
Kidney	L 0.212 R 0.190	Y N	Formal	C 0.404
Thymus	0.011	Y N	0°C	
Testes		Y N	Bouins	
Body		Y N	0°C	
color		Y N	0°C	

(over)

NLI 002 1839

Site Name National Lead (3-643) Date Collected 8/26/92

Collector Kim

Processor P. Kim Date Processed 8/26/92

Trap Type Sherman (Live) Dead (circle one)

Genus Peromyscus Species leucopus

Total(mm) 167 Tail 75 Hind Foot 19 Ear 18

Weight(g) 21.551 Partial (Whole) (circle one)

Ectoparasites: Y (N) Saved Discarded (circle one)

Endoparasites: Y (N) Saved Discarded (circle one)

Male

L Testicle: L____ W____

R Testicle: L____ W____

Testicle Wt: L____ R____ C____

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L — W —

Right Ovary L — W —

Ovary Weight L — R — C —

Placental Scars L — R —

Embryos L 1 R 5 (if present, use worksheet on back to record metrics)

Mammaries: Small (Large) Lactating (circle one)

Vagina: Inactive (Cornified) Turgid Plugged (circle one)

Repr. Stage: Nulli Semi (Multi) (circle one)

Uterus w/ ~~Ovaries~~ PL embryos 0.212 w/o Ovaries —

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.409	(Y) N	form	
Spleen	0.056	Y (N)	0°C	
Adrenal L 0.005	R 0.007 C 0.009	Y (N)	0°C	
Kidney L 0.180	R 0.172 C 0.350	(Y) N	form	
Thymus	0.020	Y (N)	0°C	
Colon		Y (N)	0°C	
		Y N		
		Y N		

(over)

NLI 002 1840

Site Name National Lead (3-643) Date Collected 8-26-92

Collector GROSSMAN

Processor K. INDELLICATO Date Processed 8-26-92

Trap Type MUSEUM SPECIAL Live Dead (circle one)

Genus PEROMYSCUS Species LEUCOPUS

Total(mm) 180 Tail 79 Hind Foot 20 Ear 16

Weight(g) 34.007 Partial Whole (circle one)

Ectoparasites: Y N Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L___ W___

R Testicle: L___ W___

Testicle Wt: L___ R___ C___

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L — W —

Right Ovary L — W —

Ovary Weight L — R — C —

Placental Scars L — R —

Embryos L 1 R 5 (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries — w/o Ovaries —

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	2.534	Y N	Formalin	
Spleen	0.066	Y N		
Adrenal L 0.012	R-0.010 L-0.019	Y N		
Kidney L-0.266	R-0.273 L-0.54	Y N	Formalin	
Thymus	NOT FOUND	Y N		
Body		Y N	0°C	
Colon		Y N	0°C	
		Y N		

(over)

NLI 002 1841

Site Name National Lead (3-643) Date Collected 8/26/92

Collector Bavitz

Processor Kim Date Processed 8/26/92

Trap Type Sherman Live Dead (circle one)

Genus Peromyscus Species leucopus

Total(mm) 181 Tail 81 Hind Foot 21 Ear 17

Weight(g) 21.001 Partial Whole (circle one)

Ectoparasites: Y N flea Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L 13 W 6

R Testicle: L 12 W 6

Testicle Wt: L 0.272 R 0.273 C 0.543

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L___ W___

Right Ovary L___ W___

Ovary Weight L___ R___ C___

Placental Scars L___ R___

Embryos L___ R___ (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries ___ w/o Ovaries ___

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	0.760	Y N	form	
Spleen	0.036	Y N	0°C	
Adrenal	L 0.004 R 0.001 C 0.007	Y N	0°C	
Kidney	L 0.186 R 0.190 C 0.379	Y N	form	
Thymus	—	Y N		Not found
~~Testes~~ Colon		Y N	0°C	
Testes		Y N	Bouin's	
		Y N		

(over)

NLI 002 1842

Site Name National Lead (3-643) Date Collected 8/26/92

Collector Bavitz

Processor Kim Date Processed 8/26/92

Trap Type Sherman (Live) Dead (circle one)

Genus Peromyscus Species leucopus

Total(mm) 174 Tail 79 Hind Foot 20 Ear 17

Weight(g) 28.749 Partial Whole (circle one)

Ectoparasites: (Y) N flea Saved (Discarded) (circle one)

Endoparasites: Y (N) Saved Discarded (circle one)

Male

L Testicle: L____ W____

R Testicle: L____ W____

Testicle Wt: L____ R____ C____

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L — W —

Right Ovary L — W —

Ovary Weight L — R — C —

Placental Scars L — R —

Embryos L 2 R 2 (if present, use worksheet on back to record metrics)

Mammaries: Small Large (Lactating) (circle one)

Vagina: Inactive Cornified (Turgid) Plugged (circle one)

Repr. Stage: Nulli Semi (Multi) (circle one)

Uterus w/ Ovaries — w/o Ovaries —

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.360	(Y) N	form	
Spleen	0.042	Y (N)	0°C	
Adrenal L 0.011	R 0.008 C 0.014	Y (N)	0°C	
Kidney L 0.155	R 0.141 C 0.295	(Y) N	form	
Thymus	—	Y (N)	~~0°~~ PK	Not found
Colon		Y (N)	0°C	
		Y N		
		Y N		

(over)

NLI 002 1843

Site Name National Lead (3-643) Date Collected 26 Aug 92

Collector Grossman

Processor Kracko Date Processed 26 Aug 92

Trap Type Museum Special Live (Dead) (circle one)

Genus ~~Microtus~~ Pitymys Species ~~pennsylvanicus~~ pinetorum

Total(mm) 107 Tail 20 Hind Foot 19 Ear 9

Weight(g) 28.581 Partial (Whole) (circle one)

Ectoparasites: Y (N) Saved Discarded (circle one)

Endoparasites: Y (N) Saved Discarded (circle one)

Male

L Testicle: L 3 W 2

R Testicle: L 3 1/2 W 3

Testicle Wt: L 0.011 R 0.012 C 0.032

Seminal Vesicle: (Small) Large (circle one)

Epididymis: Conv. (Not Conv.) (circle one)

Female

Left Ovary L W

Right Ovary L W

Ovary Weight L R C

Placental Scars L R

Embryos L R (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries w/o Ovaries

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.431	(Y) N	Formal	1 lobe of liver whitish
Spleen	0.189	Y (N)	0°C	
Adrenal	L 0.003 R 0.004	Y (N)	0°C	C 0.008
Kidney	L 0.161 R 0.197	(Y) N	Formal	C 0.3[illegible] (0.351)
Thymus	not found	Y (N)	0°C	
Testes		Y (N)	Bouins	
Colon		Y (N)	0°C	
		Y N		

(over)

NLI 002 1844

Site Name National Lead (3-643) Date Collected 8-26-92

Collector Grossman

Processor K. Indelicato Date Processed 8-26 92

Trap Type Museum Special Live (Dead) (circle one)

Genus ~~Clethrionomys~~ ? ~~Peromyscus~~ Species ~~gapperi~~ ? ~~leucopus~~ pinetorum

Total(mm) 125 Tail 22 Hind Foot 19 Ear 9

Weight(g) 27.614 Partial Whole (circle one)

Ectoparasites: Y (N) Saved Discarded (circle one)

Endoparasites: Y (N) Saved Discarded (circle one)

Male

L Testicle: L 6 W 5

R Testicle: L 6 W 6

Testicle Wt: L .050 R .055 C .108

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L W

Right Ovary L W

Ovary Weight L R C

Placental Scars L R

Embryos L R (If present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries w/o Ovaries

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.546	(Y) N	Formalin	
Spleen	0.174	Y N		
~~Adrenal~~ (Ci)		Y N		
Kidney L-0.176	R-0.188 C-.364	(Y) N	Formalin	
Adrenal ~~Thymus~~ L .004	R .002 C-.007	Y N		
Thymus	Not found	Y N		
Testes		(Y) N	Bouin	
Colon		Y N	0°C	
Body			0°C	

(over)

NLI 002 1845

Site Name National Lead (3-643) Date Collected 26 Aug 92

Collector Bovitz

Processor Kracko Date Processed 26 Aug 92

Trap Type Sherman (Live) Dead (circle one)

Genus Peromyscus Species leucopus

Total(mm) 158 Tail 71 Hind Foot 20 Ear 16

Weight(g) 18.937 Partial (Whole) (circle one)

Ectoparasites: Y (N) Saved Discarded (circle one)

Endoparasites: Y (N) Saved Discarded (circle one)

Male

L Testicle: L____ W____

R Testicle: L____ W____

Testicle Wt: L____ R____ C____

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L — W —

Right Ovary L — W —

Ovary Weight L — R — C —

Placental Scars L — R —

Embryos L 3 R 2 (if present, use worksheet on back to record metrics)

Mammaries: (Small) Large Lactating (circle one)

Vagina: Inactive Cornified Turgid (Plugged) (circle one)

Repr. Stage: Nulli Semi (Multi) (circle one)

Uterus w/ Ovaries — w/o Ovaries —

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.187	(Y) N	formal.	
Spleen	0.025	Y (N)	0°C	
Adrenal	L 0.005 R 0.004	Y (N)	0°C	C 0.012
Kidney	L 0.119 R 0.117	(Y) N	formal	C 0.245
Thymus	0.008	Y (N)	0°C	
Colon		Y (N)	0°C	
		Y N		
		Y N		

(over)

NLI 002 1846

Site Name National Lead (3-643) Date Collected 8/26/92

Collector Kim

Processor P. Kim Date Processed 8/26/92

Trap Type Museum Special Live Dead (circle one)

Genus ~~Microtus~~ Peromyscus Species ~~pennsylvanicus~~ maniculatus

Total(mm) 95 Tail 15 Hind Foot 14 Ear 8

Weight(g) 14.897 Partial Whole (circle one)

Ectoparasites: Y N Ticks, Fleas Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L____ W____

R Testicle: L____ W____

Testicle Wt: L____ R____ C____

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L — W —

Right Ovary L — W —

Ovary Weight L — R — C —

Placental Scars L ~~+~~ 0 PK R 0

Embryos L — R — (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries 0.014 w/o Ovaries Ovaries too small to remove

---

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	0.940	Y N	form	
Spleen	0.065	Y N	0°C	
Adrenal	L 0.001 R 0.001 C 0.001	Y N	0°C	
Kidney	L 0.115 R 0.111 PK C 0.229	Y N	form	
Thymus	0.044	Y N	0°C	
Colon		Y N	0°C	
		Y N		
		Y N		

(over)

NLI 002 1847

Site Name National Lead (3-643) Date Collected 26 August 92

Collector P Kim

Processor Kracko Date Processed 26 August 92

Trap Type Museum Special Live Dead (circle one)

Genus ~~Microtus~~ PM Pitymys Species pennsylvanicus PM ? pinetorum

Total(mm) 103 Tail 19 Hind Foot 16 Ear 4

Weight(g) 13.612 Partial Whole (circle one)

Ectoparasites: Y N Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L 2 W 2

R Testicle: L 2 W 3

Testicle Wt: L 0.009 R 0.009 C 0.018

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L___ W___

Right Ovary L___ W___

Ovary Weight L___ R___ C___

Placental Scars L___ R___

Embryos L___ R___ (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries ___ w/o Ovaries ___

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	0.565	(Y) N	form	
Spleen	0.037	Y (N)	0°C	
Adrenal	R 0.0021 L 0.001	Y (N)	0°C	C 0.004
Kidney	R 0.097 L 0.097	(Y) N	form	C 0.179
Thymus	not found	Y N		
Colon		Y (N)	0°C	
		Y N		
		Y N		

(over)

NLI 002 1848

Site Name National Lead (3-643) Date Collected 26 Aug 92

Collector Bovitz

Processor Kracko Date Processed 27 August

Trap Type Museum Special Live Dead (circle one)

Genus Peromyscus Species leucopus

Total(mm) 167 Tail 76 Hind Foot 20 Ear 16

Weight(g) 24.537 Partial Whole (circle one)

Ectoparasites: Y N Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L____ W____

R Testicle: L____ W____

Testicle Wt: L____ R____ C____

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L — W —

Right Ovary L — W —

Ovary Weight L — R — C —

Placental Scars L — R —

Embryos L — R — Are uterine sw (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries 0.190 w/o Ovaries ____

and uterine swellings

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.623	Y N	formal.	
Spleen	0.051	Y N	0°C	
Adrenal	R 0.006 L 0.006	Y N	0°C	C 0.011
Kidney	R 0.191 L 0.180	Y N	formal	C 0.383
Thymus	not found	Y N	~~0°C~~ KK	
Colon		Y N	0°C	
		Y N		
		Y N		

(over)

NLI 0021849

Site Name National Lead (3-643) Date Collected 8/27/92

Collector Bavitz

Processor Kim Date Processed 8/27/92

Trap Type Museum Special Live Dead (circle one)

Genus Peromyscus Species leucopus

Total(mm) 165 Tail 73 Hind Foot 20 Ear 19

Weight(g) 26.015 Partial Whole (circle one)

Ectoparasites: Y N Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L 12 W 7

R Testicle: L 12 W 7

Testicle Wt: L 0.309 R 0.304 C 0.612

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L___ W___

Right Ovary L___ W___

Ovary Weight L___ R___ C___

Placental Scars L___ R___

Embryos L___ R___ (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries ___ w/o Ovaries ___

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.542	Y N	form	
Spleen	0.073	Y N	0°C	
Adrenal	L 0.008 R 0.009	Y N	0°C	Combined 0.019
Kidney	L 0.233 R 0.224	Y N	form	Combined 0.454
Thymus		Y N		Not found
Colon		Y N	0°C	
Testes		Y N	Bouin's	
		Y N		

(over)

NLI 002 1850

Site Name National Lead (3-643) Date Collected 27 August 92

Collector Grossman

Processor Kracko Date Processed 27 August 92

Trap Type Museum Special Live (Dead) (circle one)

Genus Peromyscus Species leucopus

Total(mm) 148 Tail 64 Hind Foot 21 Ear 14

Weight(g) 27.214 Partial (Whole) (circle one)

Ectoparasites: Y (N) Saved Discarded (circle one)

Endoparasites: Y (N) Saved Discarded (circle one)

Male

L Testicle: L____ W____

R Testicle: L____ W____

Testicle Wt: L____ R____ C____

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L — W —

Right Ovary L — W —

Ovary Weight L — R — C —

Placental Scars L — R —

Embryos L 1 R 3 (If present, use worksheet on back to record metrics)

Mammaries: Small (Large) Lactating (circle one)

Vagina: Inactive Cornified (Turgid) Plugged (circle one)

Repr. Stage: Nulli Semi (Multi) (circle one)

Uterus w/ Ovaries 0 KK w/o Ovaries KK 0.096

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.652	(Y) N	Formal.	
Spleen	0.058	Y (N)	0°C.	
Adrenal	R 0.009 L 0.008	Y (N)	0°C	C 0.017
Kidney	R 0.174 L 0.207	(Y) N	Formal	C 0.378 Right kidney whitish-pink
Thymus	0.010	Y (N)	0°C	
Colon		Y (N)	0°C	
		Y N		
		Y N		

(over)

NLI 002 1851

Site Name National Lead (3-643) Date Collected 8/27/92

Collector Baritz

Processor Kim Date Processed 8/27/92

Trap Type Museum Special Live Dead (circle one)

Genus Peromyscus Species leucopus

Total(mm) 162 Tail 80 Hind Foot 20 Ear 19

Weight(g) [20.119] Partial Whole (circle one) See reverse

Ectoparasites: Y (N) Saved Discarded (circle one)

Endoparasites: Y (N) Saved Discarded (circle one)

Male

See reverse

L Testicle: L — W —

R Testicle: L — W —

Testicle Wt: L — R — C —

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L W

Right Ovary L W

Ovary Weight L R C

Placental Scars L R

Embryos L R (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries w/o Ovaries

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.127	(Y) N	form	
Spleen	0.060	Y (N)	0°C	
Adrenal	L 0.014 R 0.016	Y (N)	0°C	Combined 0.029
Kidney	L 0.167 R 0.181	(Y) N	form	Combined 0.346
Thymus	0.014	Y (N)	0°C	
Colon		Y (N)	0°C	
		Y N		
		Y N		

NLI 002 1852

(over)

Site Name National Lead (3-643) Date Collected 8/27/92 AM

Collector Grossman

Processor M. HUSTON Date Processed 8/27/92

Trap Type MUSEUM SPECIAL Live Dead (circle one)

Genus PEROMYSCUS Species LEUCOPUS

Total(mm) 155 Tail 70 Hind Foot 20 Ear 16

Weight(g) 20.41 Partial Whole (circle one)

Ectoparasites: Y N Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L____ W____

R Testicle: L____ W____

Testicle Wt: L____ R____ C____

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L — W —

Right Ovary L — W —

Ovary Weight L — R — C____

Placental Scars L — R —

Embryos L — R — (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries — w/o Ovaries ____

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.368	Y N		
Spleen	0.036	Y N		
Adrenal	R.005 L.004 T.009	Y N		COMBINED T 0.009
Kidney	R.202 L.202	Y N		COMBINED 0.404
Thymus	0.010	Y N		
COLON		Y N	0°C	
		Y N		
		Y N		

NLI 002 1853

(over)

Site Name National Lead (3-643) Date Collected 8/27/92 (A.M.)

Collector Grossman

Processor Murney Date Processed 8/27/92

Trap Type Mus. Sp. Live Dead (circle one) ♀

Genus Peromyscus Species leucopus

Total(mm) 158 Tail 75 Hind Foot 20 Ear 12

Weight(g) 18.48 Partial Whole 99% (circle one) Tail - Anus

Ectoparasites: Y N Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

~~Male~~

L Testicle: L___ W___

R Testicle: L___ W___

Testicle Wt: L___ R___ C___

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L — W —

Right Ovary L — W —

Ovary Weight L — R — C —

Placental Scars L 2 R — ~~[illegible]~~

Embryos L — R — (if present, use worksheet on back to record metrics) None

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries 0.067 w/o Ovaries —

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	0.920	Y N		
Spleen	0.109	Y N		
Adrenal L 0.019	R 0.020	Y N		
Kidney L 0.14	R 0.14	Y N		
Thymus	NF	Y N		
		Y N		
		Y N		
		Y N		

(over)

NLI 002 1854

Site Name National Lead (3-643) Date Collected 27 August 92

Collector Grossman

Processor Kracko Date Processed 27 Aug 92

Trap Type Museum Special Live Dead (circle one)

Genus Peromyscus Species leucopus

Total(mm) 153 Tail 69 Hind Foot 20 Ear 15

Weight(g) 21.479 Partial Whole (circle one)

Ectoparasites: Y N Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L 12 W 7

R Testicle: L 11 W 7

Testicle Wt: L 0.257 R 0.251 C 0.507

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L___ W___

Right Ovary L___ W___

Ovary Weight L___ R___ C___

Placental Scars L___ R___

Embryos L___ R___ (If present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries ___ w/o Ovaries ___

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.007	Y N	Formal	
Spleen	0.043	Y N	0°C	
Adrenal	L 0.003	Y N	0°C	Right adrenal not found
Kidney	L 0.151 R 0.130	Y N	Formal	C 0.325
Thymus	not found	Y N	0°C	
Testes		Y N	Bouins	
Colon		Y N	0°C	
		Y N		

(over)

NLI 002 1855

Site Name National Lead (3-643) Date Collected 8/27/92

Collector Bovitz

Processor Kim Date Processed 8/27/92

Trap Type Museum Special Live (Dead) (circle one)

Genus Peromyscus Species leucopus

Total(mm) 165 Tail 74 Hind Foot 18 Ear 16

Weight(g) [14.845] (Partial) Whole (circle one) See reverse

Ectoparasites: Y (N) Saved Discarded (circle one)

Endoparasites: Y (N) Saved Discarded (circle one)

Male

L Testicle: L___ W___

R Testicle: L___ W___

Testicle Wt: L___ R___ C___

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L 5 W 2

Right Ovary L 5 W 3

Ovary Weight L 0.007 R 0.007 C 0.019

Placental Scars L 0 R 0

Embryos L — R — (If present, use worksheet on back to record metrics)

Mammaries: (Small) Large Lactating (circle one)

Vagina: (Inactive) Cornified Turgid Plugged (circle one)

Repr. Stage: (Nulli) Semi Multi (circle one)

Uterus w/ Ovaries 0.089 w/o Ovaries —

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.129	(Y) N	form	
Spleen	0.058	Y (N)	0°C	
Adrenal	L 0.008 R 0.004	Y (N)	0°C	Combined 0.016
Kidney	L 0.206 R 0.184	(Y) N	form	Combined 0.387
Thymus		Y N		Not found
Colon		Y (N)	0°C	
		Y N		
		Y N		

(over)

NLI 002 1856

Site Name National Lead (3-643) Date Collected 8/27/92

Collector BONITZ : MUNNEY : GROSSMAN

Processor HUSTON Date Processed 8/27/92

Trap Type MUSEUM SPECIAL Live Dead (circle one)

Genus PEROMYSCUS Species LEUCOPUS

Total(mm) 165 Tail 78 Hind Foot 20 Ear 16

Weight(g) 23.796 Partial Whole (circle one)

Ectoparasites: Y N _____ Saved Discarded (circle one)

Endoparasites: Y N _____ Saved Discarded (circle one)

Male

L Testicle: L 15 W 9 MM

R Testicle: L 15 W 9 MM

Testicle Wt: L 0.340 R 0.318 C 0.658

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

MH

Left Ovary L _____ W _____

Right Ovary L _____ W _____

Ovary Weight L _____ R _____ C _____

Placental Scars L _____ R _____

Embryos L _____ R _____ (If present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries _____ w/o Ovaries _____

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.4269	Y N		
Spleen	0.076	Y N		
Adrenal	R 0.019 / L MM	Y N		R 0.019 / L 0.016 T 0.035
Kidney	R 0.275 / L 0.2[illegible]	Y N		COMBIND 0.539
Thymus	0.009	Y N		
COLON		Y N		
TESTES		Y N	BOUINE	BOUINS SOL'N
		Y N		

(over)

NLI 002 1857

Site Name National Lead (3-643) Date Collected 27 Aug 92

Collector Grossman

Processor Kracko Date Processed 27 Aug 92

Trap Type Museum Special Live Dead (circle one)

Genus Peromyscus Species leucopus

Total(mm) 157 Tail 75 Hind Foot 21 Ear 13

Weight(g) 23.000 Partial Whole (circle one)

Ectoparasites: Y N Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L 13 W 7.5

R Testicle: L 12 W 8

Testicle Wt: L 0.336 R 0.329 C 0.663

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L W

Right Ovary L W

Ovary Weight L R C

Placental Scars L R

Embryos L R (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries w/o Ovaries

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.339	Y N	Formal	
Spleen	0.057	Y N	0°C	
Adrenal	R 0.010 L 0.009	Y N	0°C	C 0.020
Kidney	R 0.193 L 0.191	Y N	Formal	C 0.388
Thymus	0.017	Y N	0°C	
Colon		Y N	0°C	
Testes		Y N	Bouins	
		Y N		

(over)

NLI 002 1858

Site Name National Lead (3-643) Date Collected 8/27/92

Collector Munney

Processor Kim Date Processed 8/27/92

Trap Type Museum Special Live Dead (circle one)

Genus Peromyscus Species leucopus

Total(mm) 155 Tail 72 Hind Foot 20 Ear 17

Weight(g) 20.263 Partial Whole (circle one)

Ectoparasites: Y N Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L____ W____

R Testicle: L____ W____

Testicle Wt: L____ R____ C____

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L — W —

Right Ovary L — W —

Ovary Weight L — R — C —

Placental Scars L 1 R 3

Embryos L — R — (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries 0.134 w/o Ovaries —

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.289	Y N	form	
Spleen	0.050	Y N	0°C	
Adrenal	L 0.006 R 0.007	Y N	0°C	Combined 0.012
Kidney	L 0.203 R 0.194	Y N	form	Combined 0.404
Thymus	0.012	Y N	0°C	
Colon		Y N	0°C	
		Y N		
		Y N		

(over)

NLI 002 1859

Site Name National Lead (3-643) Date Collected 8/27/92

Collector BOVITZ: NUNNEY GROSSMAN

Processor M. HUSTON Date Processed 8/27/92

Trap Type MUSEUM SPECIAL Live (Dead) (circle one)

Genus PERONYSCUS Species LEUCOPUS

Total(mm) 170 Tail 85 Hind Foot 21 Ear 16

Weight(g) 23.982 Partial (Whole) (circle one)

Ectoparasites: Y (N) _____ Saved Discarded (circle one)

Endoparasites: Y (N) _____ Saved Discarded (circle one)

Male

L Testicle: L_____ W_____

R Testicle: L_____ W_____

Testicle Wt: L_____ R_____ C_____

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L – W –

Right Ovary L – W –

Ovary Weight L – R – C_____

Placental Scars L – R –

Embryos L – R – (if present, use worksheet on back to record metrics)

Mammaries: Small (Large) Lactating (circle one)

Vagina: Inactive Cornified Turgid (Plugged) (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries _____ w/o Ovaries _____

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.704	(Y) N	4% formalin	
Spleen	0.047	Y (N)	0°C ~~4% formalin~~	
Adrenal		Y (N)	0°C	R 0.016 L 0.011 T 0.027
Kidney		(Y) N	4% formalin	R 0.248 L 0.248 T 0.496
Thymus	0.006	Y (N)	0°C	
COLON		Y N	0°C	
		Y N		
		Y N		

(over)

NLI 002 1860

Site Name National Lead (3-643) Date Collected 8/27/92

Collector Bovitz

Processor Kim Date Processed 8/27/92

Trap Type Sherman (Live) / Dead (circle one)

Genus Peromyscus Species leucopus

Total(mm) 178 Tail 79 Hind Foot 21 Ear 19

Weight(g) 21.732 Partial (Whole) (circle one)

Ectoparasites: Y (N) Saved Discarded (circle one)

Endoparasites: (Y) N liver infested w/ hepatic worms Saved (Discarded) (circle one)

Male

L Testicle: L___ W___

R Testicle: L___ W___

Testicle Wt: L___ R___ C___

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L — W —

Right Ovary L — W —

Ovary Weight L — R — C —

Placental Scars L 3 R 1

Embryos L — R — (if present, use worksheet on back to record metrics)

Mammaries: (Small) Large Lactating (circle one)

Vagina: Inactive Cornified Turgid (Plugged) (circle one)

Repr. Stage: Nulli Semi (Multi) (circle one)

Uterus w/ Ovaries 0.275 w/o Ovaries —

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.662	(Y) N	form	
Spleen	0.052	Y (N)	0°C	
Adrenal	R 0.012	Y (N)	0°C	Left adrenal missing
Kidney	L 0.169 R 0.156	(Y) N	form	combined 0.326
Thymus		Y (N) PK		Not found
Glm.		Y (N)	0°C	
		Y N		
		Y N		

NLI 002 1861

(over)

Site Name National Lead (3-643) Date Collected 27 August 92

Collector Bovitz

Processor Kracko Date Processed 27 August 92

Trap Type Sherman (Live) Dead (circle one)

Genus Peromyscus Species leucopus

Total(mm) 158 Tail 76 Hind Foot 21 Ear 15

Weight(g) 17.713 Partial (Whole) (circle one)

Ectoparasites: Y (N) Saved Discarded (circle one)

Endoparasites: Y (N) Saved Discarded (circle one)

Male

L Testicle: L 11 W 6

R Testicle: L 11 W 6.5

Testicle Wt: L 0.173 R 0.170 C 0.346

Seminal Vesicle: (Small) Large (circle one)

Epididymis: (Conv.) Not Conv. (circle one)

Female

Left Ovary L W

Right Ovary L W

Ovary Weight L R C

Placental Scars L R

Embryos L R (if present, use worksheet on back to record matrix)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries w/o Ovaries

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.091	Y N		
Spleen	0.033	Y N		
Adrenal	R 0.009 L 0.009	Y N		C 0.016
Kidney	R 0.154 L 0.144	Y N		C 0.295
Thymus	← KK L 0.023	Y N		SEE
		Y N		
		Y N		
		Y N		

(over)

NLI 002 1862

Site Name National Lead (3-643) Date Collected 8/27/92

Collector MUNNEY: BOVITZ: GROSSMAN

Processor M. HUSTON Date Processed 8/27/92

Trap Type MUSEUM SPECIAL Live Dead (circle one)

Genus PEROMYSCUS Species LEUCOPUS

Total(mm) 162 Tail 78 Hind Foot 21 Ear 17

Weight(g) 22.562 Partial Whole (circle one)

Ectoparasites: Y N Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L___ W___

R Testicle: L___ W___

Testicle Wt: L___ R___ C___

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L___ W___

Right Ovary L___ W___

Ovary Weight L___ R___ C___

Placental Scars L 1 R 2

Embryos L___ R___ (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries 0.749 w/o Ovaries ___

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.632	Y N	10% NH FORM	
Spleen	0.070	Y (N)	0°C	
Adrenal		Y N	0°C	R 0.009 L 0.020 T 0.029
Kidney		Y N	10% NH FORM	R 0.261 L 0.240 T 0.501
Thymus	—	Y N	—	
COLON		Y (N)	0°C	
		Y N		
		Y N		

(over)

NLI 002 1863

Site Name National Lead (3-643) Date Collected 8/27/92

Collector Grossman

Processor Kim Date Processed 8/27/92

Trap Type Museum Special Live Dead (circle one)

Genus Peromyscus Species leucopus

Total(mm) 140 Tail 69 Hind Foot 19 Ear 16

Weight(g) 15.526 Partial Whole (circle one) See reverse

Ectoparasites: Y N Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L____ W____

R Testicle: L____ W____

Testicle Wt: L____ R____ C____

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L — W —

Right Ovary L — W —

Ovary Weight L 0.012 R 0.012 C 0.025

Placental Scars L 1 R 0

Embryos L — R — (If present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries 0.120 w/o Ovaries 0.097

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	0.973	Y N	fresh	
Spleen	0.023	Y N	0°C	
Adrenal	L 0.003 R 0.004	Y N	0°C	Combined 0.009
Kidney	L 0.194 R 0.133	Y N	fresh	Combined 0.331 Right kidney reduced in size
Thymus	0.034	Y N	0°C	
Colon		Y N	0°C	
		Y N		
		Y N		

(over)

NLI 002 1864

Site Name National Lead (3-643) Date Collected 8/27/92

Collector MUNNEY : BOVITZ : GROSSMAN

Processor M HUSTON Date Processed 8/27/92

Trap Type MUSEUM SPECIAL Live Dead (circle one) – MISSING HEAD BODY COMPRESS

Genus PEROMYSCUS Species LEUCOPUS

Total(mm) 165 (EST.) Tail 75 Hind Foot 20 Ear 16 (EST.)

Weight(g) 13.338 Partial Whole (circle one)

Ectoparasites: Y N Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L___ W___

R Testicle: L___ W___

Testicle Wt: L___ R___ C___

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L___ W___

Right Ovary L___ W___

Ovary Weight L___ R___ C___

Placental Scars L___ R___

Embryos L___ R___ (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one) (?)

Uterus w/ Ovaries 0.108 w/o Ovaries ___

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.089	Y N	FORM	
Spleen	0.066	Y N	0°C	
Adrenal		Y N	0°C	R 0.00 L 0.008 C 0.008
Kidney		Y N	FORM	R 0.195 L 0.166 T 0.361
Thymus	—	Y N	—	
COLON		Y N	0°C	
		Y N		
		Y N		

NIT 002 1865

(over)

Site Name National Lead (3-643) Date Collected 8/27/92

Collector Grossman

Processor Kim Date Processed 8/28/92

Trap Type Museum Special Live Dead (circle one)

Genus H^PK Pitymys Species pinetorum

Total(mm) 116 Tail 19 Hind Foot 19 Ear 9

Weight(g) 27.295 Partial Whole (circle one)

Ectoparasites: Y N PK Ticks Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L 6 W 5

R Testicle: L 6 W 4

Testicle Wt: L 0.060 R 0.059 C 0.120

Seminal Vesicle: Small PK Large (circle one)

Epididymis: Conv. Not Conv. (circle one) PK

Female

Left Ovary L W

Right Ovary L W

Ovary Weight L R C

Placental Scars L R

Embryos L R (If present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries _____ w/o Ovaries _____

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.719	Y N	frzn	
Spleen	0.139	Y N	0°C	
Adrenal	L 0.007 R 0.012	Y N	0°C	Combined 0.019
Kidney	L 0.248 R 0.259	Y N	frzn	combined 0.502
Thymus	0.031	Y N	0°C	
colon		Y N	0°C	
		Y N		
		Y N		

(over)

NLI 002 1866

Site Name National Lead (3-643) Date Collected 27 Aug 1992

Collector Bovitz

Processor Kracko Date Processed 28 Aug 1992

Trap Type Museum Special Live Dead (circle one)

Genus Pitymys Species pinetorum

Total(mm) 121 Tail 19 Hind Foot 17 Ear 8

Weight(g) 23.805 Partial Whole (circle one)

Ectoparasites: Y N Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L___ W___

R Testicle: L___ W___

Testicle Wt: L___ R___ C___

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L — W —

Right Ovary L — W —

Ovary Weight L — R — C —

Placental Scars L — R — none

Embryos L — R — (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one) ~~lack~~

Uterus w/ Ovaries 0.075 w/o Ovaries —

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.094	Y N	Formal	
Spleen	0.156	Y N	0°C	
Adrenal	R 0.001 L 0.006	Y N	0°C	C 0.008
Kidney	R 0.157 L 0.156	Y N	Formal	C 0.309
Thymus	Not Found	Y N	0°C	
Colon		Y N	0°C	
		Y N		
		Y N		

(over)

NLI 002 1867

Site Name National Lead (3-643) Date Collected 8/26/92 (pm)

Collector Grossman

Processor K. Indelicato Date Processed 8-28-92

Trap Type Museum Special Live Dead (circle one)

Genus ~~Blarina~~ ? Pitymys Species pinetorum

Total(mm) 115 Tail 19 Hind Foot 17 Ear 9

Weight(g) 21.460 Partial Whole (circle one)

Ectoparasites: Y N Maggots Saved Discarded (circle one)

Endoparasites: Y N _____ Saved Discarded (circle one)

Male

L Testicle: L 5 W 4

R Testicle: L 6 W 4

Testicle Wt: L .027 R .028 C .055

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L_____ W_____

Right Ovary L_____ W_____

Ovary Weight L_____ R_____ C_____

Placental Scars L_____ R_____

Embryos L_____ R_____ (If present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries _____ w/o Ovaries _____

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.189	Y N	Formalin	
Spleen	.116	Y N		
Adrenal	L-.004 R-.007	L-.001 Y N		
Kidney	L-.151 R.153	L-.302 Y N	Formalin	
Thymus	.012	Y N		
Testes		Y N	Bouin	
Colon		Y N	4°C	
Brain		Y N	0°C	

(over)

NLI 002 1868

Site Name National Lead (3-643) Date Collected 8/27/92

Collector Grossman

Processor Kim Date Processed 8/28/92

Trap Type Museum Special Live Dead (circle one)

Genus Pitymys Species pinetorum

Total(mm) 117 Tail 21 Hind Foot 18 Ear 10

Weight(g) ~~26.7~~ PK 26.173 Partial Whole (circle one)

Ectoparasites: Y N Ticks Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L 6 W 4

R Testicle: L 6 W 5

Testicle Wt: L 0.052 R 0.050 C 0.107

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv Not Conv. (circle one)

Female

Left Ovary L W

Right Ovary L W

Ovary Weight L R C

Placental Scars L R

Embryos L R (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries w/o Ovaries

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.583	Y N	form	
Spleen	0.147	Y N	0°C	
Adrenal	L 0.007 R 0.004	Y N	0°C	combined 0.013
Kidney	L 0.208 R 0.207	Y N	form	combined ~~0.209~~ PK 0.406
Thymus	0.025	Y N	0°C	
Colon		Y N	0°C	
		Y N		
		Y N		

(over)

NLI 002 1869

Site Name National Lead (3-643) Date Collected 8/27/92

Collector Murray

Processor Kim Date Processed 8/28/92

Trap Type Sherman Live (Dead) (circle one)

Genus Blarina Species brevicauda

Total(mm) 111 Tail 26 Hind Foot 15 Ear N/A

Weight(g) 15.386 Partial (Whole) (circle one)

Ectoparasites: Y (N) Saved Discarded (circle one)

Endoparasites: Y (N) Saved Discarded (circle one)

(Male)

L Testicle: L W

R Testicle: L W

See Reverse

Testicle Wt: L R C

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L W

Right Ovary L W

Ovary Weight L R C

Placental Scars L R

Embryos L R (If present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries _____ w/o Ovaries _____

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	0.828	(Y) N	form	
Spleen	0.198	Y (N)	0°C	
Adrenal	L 0.013 R 0.010	Y (N)	0°C	C 0.025
Kidney	L 0.117 R 0.127	(Y) N	form	C 0.293
Thymus		Y N		Not found
		Y N		
		Y N		
		Y N		

(over)

NLI 002 1870

Site Name National Lead (3-643) Date Collected 28 Aug 92

Collector Boritz

Processor Kracka Date Processed 28 Aug 92

Trap Type Museum Special Live Dead (circle one)

Genus Peromyscus Species leucopus

Total(mm) 162 Tail 80 Hind Foot 20 Ear 18

Weight(g) 23.040 Partial Whole (circle one)

Ectoparasites: Y N Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L 11 W 8

R Testicle: L 12 W 7

Testicle Wt: L 0.255 R 0.278 C 0.536

Seminal Vesicle: Small Large (circle one)

Epididymis Conv. Not Conv. (circle one)

Female

Left Ovary L___ W___

Right Ovary L___ W___

Ovary Weight L___ R___ C___

Placental Scars L___ R___

Embryos L___ R___ (If present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries ___ w/o Ovaries ___

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.261	Y N		
Spleen	0.059	Y N		
Adrenal	L 0.008	Y N		
Kidney R 0.156	L 0.173	Y N		C 0.329
Thymus	0.008	Y N		
Colon		Y N		
		Y N		
		Y N		

(over)

NLI 002 1871

Site Name National Lead (3-643) Date Collected 8/28/92

Collector BONITE: MUNNEY

Processor M. HUSTON Date Processed 8/28/92

Trap Type MUSEUM SPECIAL Live Dead (circle one)

Genus PEROMYSCUS Species LEUCOPUS

Total(mm) 151 Tail 70 Hind Foot 21 Ear 15

Weight(g) 23.466 Partial Whole (circle one)

Ectoparasites: Y N Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L 14 mm W 7 mm

R Testicle: L 14 mm W 8 mm

Testicle Wt: L .268 R .283 C

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L W

Right Ovary L W

Ovary Weight L R C

Placental Scars L R

Embryos L R (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries w/o Ovaries

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.152	Y N	FORM	
Spleen	0.041	Y N	0°C	
Adrenal		Y N	0°C	R N/A L 0.007 T 0.00
Kidney		Y N	FORM	R 0.210 L 0.213 T 0.42
Thymus	0.023	Y N	0°C	
COLON	—	Y N	0°C	
TESTES		Y N	BOUINS	
		Y N		

(over)

NLI 002 1872

Site Name National Lead (3-643) Date Collected 8/28/92

Collector Bevitz

Processor Kim Date Processed 8/28/92

Trap Type Museum Special Live Dead (circle one)

Genus Peromyscus X ~~Mus~~ ? Species leucopus

Total(mm) 124 Tail 50 Hind Foot 19 Ear 17

Weight(g) 11.801 Partial Whole (circle one)

Ectoparasites: Y N Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L 4 W 2

R Testicle: L 4 W 2

Testicle Wt: L 0.014 R 0.011 C 0.028

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L___ W___

Right Ovary L___ W___

Ovary Weight L___ R___ C___

Placental Scars L___ R___

Embryos L___ R___ (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries ___ w/o Ovaries ___

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	0.762	Y N	form	
Spleen	0.061	Y N	0°C	
Adrenal	L 0.006 R 0.006	Y N	0°C	C 0.011
Kidney	L 0.131 R 0.137	Y N	form	C 0.267
Thymus	0.039	Y N	0°C	
colon		Y N	0°C	
testes		Y N	Bouin's	
		Y N		

(over)

NLI 002 1873

Site Name National Lead (3-643) Date Collected 8-28-92

Collector Bovitz

Processor K. Indelicato Date Processed 8-28-92

Trap Type Museum special Live (Dead) (circle one)

Genus Peromyscus Species leucopus

Total(mm) 168 Tail 79 Hind Foot 21 Ear 17

Weight(g) 21.240 Partial (Whole) (circle one)

Ectoparasites: Y (N) Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

(Male)

L Testicle: L 12 W 7

R Testicle: L 11 W 8

Testicle Wt: L .270 R .209 C .489

Seminal Vesicle: Small (Large) (circle one)

Epididymis: (Conv.) Not Conv. (circle one)

Female

Left Ovary L____ W____

Right Ovary L____ W____

Ovary Weight L____ R____ C____

Placental Scars L____ R____

Embryos L____ R____ (If present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries ____ w/o Ovaries ____

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	.953	Y N		
Spleen	.022	Y N		
Adrenal	l-.003	Y N		
Kidney	R-.195 L-.164 C-.353	Y N		
Thymus	Not found	Y N		
		Y N		
		Y N		
		Y N		

(over)

NLI 002 1874

Site Name National Lead (3-643) Date Collected 8/28/92

Collector MUNNEY: GROSSMAN: BOVITZ

Processor M. HUSTON Date Processed 8/28/92

Trap Type MUSEUM SPECIAL Live Dead (circle one)

Genus PEROMYSCUS Species LEUCOPUS

Total(mm) 168 Tail 75 Hind Foot 20 Ear 15

Weight(g) 24.790 Partial Whole (circle one)

Ectoparasites: Y N Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L 12MM W 6MM

R Testicle: L MISSING - POSTERIOR OF ANIMAL DAMAGED

Testicle Wt: L 0.213 R — C 0.213

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L W

Right Ovary L W

Ovary Weight L R C

Placental Scars L R

Embryos L R (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries w/o Ovaries

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.466	Y N	FORM	
Spleen	0.119	Y N	0°C	
Adrenal		Y N	0°C	R 0.010 L 0.008 T 0.01
Kidney		Y N	FORM	R 0.196 L 0.220 T 0.41
Thymus	0.025	Y N	0°C	
COLON		Y N	0°C	
TESTES		Y N	BOUINS	
		Y N		

(over)

NLI 002 1875

Site Name National Lead (3-643) Date Collected 28 Aug 92

Collector Bovitz

Processor Kracko Date Processed 28 Aug 92

Trap Type Museum Special Live Dead (circle one)

Genus Peromyscus Species leucopus

Total(mm) 160 Tail ~~172~~ (72) Hind Foot 21 Ear 17

Weight(g) 22.744 Partial Whole (circle one)

Ectoparasites: Y (N) Saved Discarded (circle one)

Endoparasites: Y (N) Saved Discarded (circle one)

Male

L Testicle: L 13 W 7

R Testicle: L 12.5 W 7

Testicle Wt: L 0.321 R 0.304 C 0.626

Seminal Vesicle: Small (Large) (circle one)

Epididymis: (Conv) Not Conv. (circle one)

Female

Left Ovary L___ W___

Right Ovary L___ W___

Ovary Weight L___ R___ C___

Placental Scars L___ R___

Embryos L___ R___ (If present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries ___ w/o Ovaries ___

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.098	(Y) N	formal	
Spleen	0.070	Y (N)	0°C	
Adrenal	R 0.005 L 0.007	Y (N)	0°C	C 0.013
Kidney	R 0.067 L 0.196	(Y) N	formal	C 0.367
Thymus	not found	Y (N)	~~0°C~~	
Colon		Y (N)	0°C	
		Y N		
		Y N		

R (0.167)

(over)

NLI 002 1876

Site Name National Lead (3-643) Date Collected 8/25/92

Collector Bavitz

Processor Kim Date Processed 8/28/92

Trap Type Sherman (Live) Dead (circle one)

Genus Peromyscus Species leucopus

Total(mm) 173 Tail 79 Hind Foot 21 Ear 19

Weight(g) 20.146 Partial (Whole) (circle one)

Ectoparasites: (Y) N Ticks Saved (Discarded) (circle one)

Endoparasites: Y (N) Saved Discarded (circle one)

Male

L Testicle: L 12 W 8

R Testicle: L — W — see reverse

Testicle Wt: L 0.261 R — C N/A

Seminal Vesicle: Small (Large) (circle one)

Epididymis: (Conv) Not Conv. (circle one)

Female

Left Ovary L W

Right Ovary L W

Ovary Weight L R C

Placental Scars L R

Embryos L R (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries _____ w/o Ovaries _____

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.133	(Y) N	form	
Spleen	pr 0.147	Y (N)	0°C	
Adrenal	L 0.0003 R 0.0003 pr	Y (N)	0°C	C 0.006
Kidney	L 0.153 R 0.169	(Y) N	form	C 0.322
Thymus	0.024	Y (N)	0°C	
colon		Y (N)	0°C	
testicle		Y (N)	~~0°C~~ Bouin's	
		Y N		

(over)

NLI 002 1877

Site Name National Lead (3-643) Date Collected 8-27-92

Collector Grossman

Processor K. Indelicato Date Processed 8-28-92

Trap Type Museum special Live (Dead) (circle one)

Genus Peromyscus Species leucopus

Total(mm) 166 Tail 75 Hind Foot 21 Ear 19

Weight(g) 20.041 Partial (Whole) (circle one)

Ectoparasites: (Y) N Maggots Saved Discarded (circle one)

Endoparasites: Y (N) Saved Discarded (circle one)

(Male)

L Testicle: L 12 W 7

R Testicle: L 12 W 8

Testicle Wt: L .242 R .268 C .509

Seminal Vesicle: Small (Large) (circle one)

Epididymis: (Conv.) Not Conv. (circle one)

Female

Left Ovary L____ W____

Right Ovary L____ W____

Ovary Weight L____ R____ C____

Placental Scars L____ R____

Embryos L____ R____ (If present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries ____ w/o Ovaries ____

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	.935	(Y) N	Formalin	
Spleen	.020	Y N		
Adrenal	L-.002 R-.004 C-.012	Y N		
Kidney	L-.145 R-.148 C-.291	(Y) N	Formalin	
Thymus	Not Found	Y N		
Testes		(Y) N	Bouin's	
Iris		Y N	4°C	
Body		Y N	0°C	

(over)

NLI 002 1878

Site Name National Lead (3-643) Date Collected 28 Aug 92

Collector Bovitz

Processor Kracko Date Processed 28 Aug 92

Trap Type Museum Special Live Dead (circle one)

Genus Peromyscus Species leucopus

Total(mm) 179 Tail 74 Hind Foot 20 Ear 16

Weight(g) 23.800 Partial Whole (circle one)

Ectoparasites: Y N Ticks Saved Discarded (circle one)

Endoparasites: Y N Saved Discarded (circle one)

Male

L Testicle: L 14 W 8

R Testicle: L 13 W 7

Testicle Wt: L 0.3~~0~~ 0.377 R 0.359 C 0734

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L____ W____

Right Ovary L____ W____

Ovary Weight L____ R____ C____

Placental Scars L____ R____

Embryos L____ R____ (If present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries ____ w/o Ovaries ____

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.255	Y N	formal	
Spleen	0.040	Y N	0°C	
Adrenal	R0.012 L0.016	Y N	0°C	C 0.022
Kidney	R0.190 L0.204	Y N	Formal	C 0.387
Thymus	not found	Y N	—	
Colon		Y N	0°C	
		Y N		
		Y N		

(over)

NLI 002 1879

Site Name National Lead (3-643) Date Collected 9/27/92

Collector BOVITZ : HUNNEY : GROSSMAN

Processor M. HUSTON Date Processed 8/28/92

Trap Type MUSEUM SPECIAL Live (Dead) (circle one)

Genus PEROMYSCUS Species LEUCOPUS

Total(mm) 155 Tail 70 Hind Foot 20 Ear 14

Weight(g) 17.441 Partial (Whole) (circle one)

Ectoparasites: (Y) N MAGGOTS Saved (Discarded) (circle one)

Endoparasites: (Y) N BOTFLY LARVAE Saved (Discarded) (circle one)

Male

L Testicle: L____ W____

R Testicle: L____ W____

Testicle Wt: L____ R____ C____

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L____ W____

Right Ovary L____ W____

Ovary Weight L____ R____ C____

Placental Scars L____ R____

Embryos L____ R____ (If present, use worksheet on back to record metrics)

Mammaries: (Small) Large Lactating (circle one)

Vagina: Inactive Cornified Turgid (Plugged) (circle one)

Repr. Stage: (Nulli) Semi Multi (circle one)

Uterus w/ Ovaries 0.141 w/o Ovaries ____

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	0.884	(Y) N	FORM	
Spleen	0.056	Y N	0°C	0.007
Adrenal		Y N	0°C	L 0.004 R 0.003 T 0.007
Kidney		(Y) N	FORM	L 0.138 R 0.130 T 0.268
Thymus	—	Y N	—	
COLON		Y (N)	0°C	
		Y N		
		Y N		* INTERNAL ORGANS HAVE BEGUN TO DECOMPOSE

(over)

NLI 002 1880

Site Name National Lead (3-643) Date Collected 28 August 92

Collector Bovitz

Processor Kracko Date Processed 31 August 92

Trap Type Museum Special Live (Dead) (circle one)

Genus Pitymys Species pinetorum

Total(mm) 118 Tail 18 Hind Foot 17 Ear 6

Weight(g) 26.134 Partial Whole (circle one)

Ectoparasites: Y (N) Saved Discarded (circle one)

Endoparasites: Y (N) Saved Discarded (circle one)

Male

L Testicle: L 6 W 5

R Testicle: L ~~8~~ 6 W 4

Testicle Wt: L 0.057 R 0.052 C 0.098

Seminal Vesicle: (Small) Large (circle one)

Epididymis: Conv. Not Conv. (circle one)
not found

Female

Left Ovary L____ W____

Right Ovary L____ W____

Ovary Weight L____ R____ C____

Placental Scars L____ R____

Embryos L____ R____ (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries ____ w/o Ovaries ____

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.159	(Y) N	formal	
Spleen	0.116	Y (N)	0°C	
Adrenal	R 0.013 L 0.012	Y (N)	0°C	C 0.018
Kidney	R 0.156 L 0.152	(Y) N	formal	C 0.300
Thymus	not found	Y (N)		
Colon		Y (N)	0°C	
Testes		Y (N)	~~0°C~~ xx	Bouins
		Y N		

(over)

NLI 002 1881

Site Name National Lead (3-643) Date Collected 8-28-92

Collector Bovitz

Processor K. Indelicato Date Processed 8-31-92

Trap Type Museum Special Live Dead (circle one)

Genus Pitymys Species pinetorum

Total(mm) 125 Tail 22 Hind Foot 18 Ear 7

Weight(g) 24.618 Partial Whole (circle one)

Ectoparasites: Y N _____ Saved Discarded (circle one)

Endoparasites: Y N _____ Saved Discarded (circle one)

Male

L Testicle: L 6 W 5

R Testicle: L 6 W 4

Testicle Wt: L .0056 R .0053 C .100

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L_____ W_____

Right Ovary L_____ W_____

Ovary Weight L_____ R_____ C_____

Placental Scars L_____ R_____

Embryos L_____ R_____ (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries _____ w/o Ovaries _____

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.425	Y N	Formalin	Sections
Spleen	.246	Y N		
Adrenal	L .007 R .006 C .011	Y N		
Kidney	L .208 R .207 C .411	Y N	Formalin	Sections
Thymus	Not Found	Y N		
Colon		Y N	4°C	
Testes		Y N	Bouins	
		Y N		

(over)

NLI 002 1882

Site Name: National Lead (3-643) Date Collected: 8/28/92

Collector: Bovitz

Processor: Kim Date Processed: 8/31/92

Trap Type: Museum Special Live (Dead) (circle one)

Genus: Blarina Species: brevicauda

Total(mm): 122 Tail: 29 Hind Foot: 15 Ear: NA

Weight(g): 19.554 Partial Whole (circle one)

Ectoparasites: (Y) N Ticks Saved (Discarded) (circle one)

Endoparasites: Y (N) Saved Discarded (circle one)

Male

L Testicle: L Reverse W

R Testicle: L See W

Testicle Wt: L R C

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L W

Right Ovary L W

Ovary Weight L R C

Placental Scars L R

Embryos L R (if present, use worksheet on back to record metrics)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries w/o Ovaries

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.346	(Y) N	form	
Spleen	0.228	Y (N)	0°C	
Adrenal	L 0.003 R 0.003	Y (N)	0°C	C 0.010
Kidney	L 0.157 R 0.159	(Y) N	form	C 0.319
Thymus		Y N		
colon		Y (N)	0°C	
		Y N		
		Y N		

(over)

NLI 002 1883

Site Name National Lead (3-643) Date Collected 27 Aug 92

Collector Bovitz

Processor Kracko Date Processed 31 Aug 92

Trap Type Museum special Live (Dead) (circle one)

Genus Pitymys Species pinetorum

Total(mm) 125 Tail 18 Hind Foot 17 Ear 8

Weight(g) 28.982 Partial (Whole) (circle one)

Ectoparasites: (Y) N maggots Saved Discarded (circle one)

Endoparasites: Y (N) Saved Discarded (circle one)

Male

L Testicle: L____ W____

R Testicle: L____ W____

Testicle Wt: L____ R____ C____

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L — W —

Right Ovary L — W —

Ovary Weight L — R — C —

Placental Scars L — R —

Embryos L 0 R 2 uterine swelling (if present, use worksheet on back to record metrics)

Mammaries: Small (Large) Lactating (circle one)

Vagina: Inactive Cornified Turgid (Plugged) (circle one)

Repr. Stage: Nulli Semi (Multi) (circle one) ?

Uterus w/ Ovaries 0.162 w/o Ovaries —

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.655	(Y) N	formal	
Spleen	0.159	Y (N)	0°C	
Adrenal	R0.005 L 0.005	Y (N)	0°C	C 0.010
Kidney	R0.214 L 0.215	(Y) N	formal	C 0.430
Thymus	0.022	Y (N)	0°C	
Colon		Y (N)	0°C	
		Y N		
		Y N		

(over)

NLI 002 1884

Site Name National Lead (3-643) Date Collected 8-27-92

Collector Grossman

Processor K. Indelicato Date Processed 8-31-92

Trap Type Museum special Live Dead (circle one)

Genus Pitymys Species pinetorum

Total(mm) 124 Tail 23 Hind Foot 17 Ear 5

Weight(g) 25.308 Partial Whole (circle one)

Ectoparasites: Y N Maggots Saved Discarded (circle one)

Endoparasites: Y N _____ Saved Discarded (circle one)

Male

L Testicle: L 5 W 3

R Testicle: L 5 W 3

Testicle Wt: L .031 R .029 C .066

Seminal Vesicle: Small Large (circle one)

Epididymis: Conv. Not Conv. (circle one)

Female

Left Ovary L_____ W_____

Right Ovary L_____ W_____

Ovary Weight L_____ R_____ C_____

Placental Scars L_____ R_____

Embryos L_____ R_____ (if present, use worksheet on back to record matrix)

Mammaries: Small Large Lactating (circle one)

Vagina: Inactive Cornified Turgid Plugged (circle one)

Repr. Stage: Nulli Semi Multi (circle one)

Uterus w/ Ovaries _____ w/o Ovaries _____

ORGAN	WEIGHT	HISTO	PRESERV.	COMMENTS
Liver	1.260	Y N		
Spleen	.208	Y N		
Adrenal L.007 R.003 C.008		Y N		
Kidney L.161 R.175 C.335		Y N		
Thymus	.055	Y N		
		Y N		
		Y N		
		Y N		

(over)

NLI 002 1885

Appendix K

NLI 002 1886

APPENDIX K
List of Species Observed
National Lead Site

/bovitz/fr-4643

NLI 002 1887

REPTILES & AMPHIBIANS

COMMON NAME	SCIENTIFIC NAME
Snapping Turtle	*Chelydra serpentina*
Eastern Painted Turtle	*Chrysemys picta picta*
Eastern Box Turtle	*Terrapene carolina carolina*
Northern Fence Lizard	*Sceloporus undulatus hyacinthinus*
Northern Black Racer	*Coluber constrictor constrictor*
Eastern Garter Snake	*Thamnophis sirtalis sirtalis*
Red-backed Salamander	*Plethodon cinereus cinereus*
Northern Cricket Frog	*Acris crepitans crepitans*
Northern Spring Peeper	*Hyla crucifer crucifer*
Green Frog	*Rana clamitans melanota*
Bullfrog	*Rana catasbeiana*

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MAMMALS

COMMON NAME	SCIENTIFIC NAME
Opossum	*Didelphis marsupialis*
Short-tailed Shrew	*Blarina brevicauda*
Least Shrew	*Cryptotis parva*
Raccoon	*Procyon lotor*
Red Fox	*Vulpes fulva*
White-footed Mouse	*Peromyscus leucopus*
Pine Vole	*Pitymys pinetorum*
Eastern Gray Squirrel	*Sciurus carolinenis*
Eastern Chipmunk	*Tamias striatus*
Woodchuck	*Marmota monax*
Eastern Cottontail	*Sylvilagus floridanus*
White-tailed Deer	*Odocoileus virginianus*

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BIRDS

COMMON NAME	SCIENTIFIC NAME
Great Blue Heron	*Ardea heodias*
Common Egret	*Casmerodius albus*
Green-backed Heron	*Butorides striatus*
Canada Goose	*Branta canadensis*
Mallard	*Anas platyrhynchos*
Turkey Vulture	*Cathartes aura*
Northern Harrier	*Circus cyaneus*
Red-tailed Hawk	*Buteo jamaicensis*
American Kestrel	*Falco sparverius*
Northern Bobwhite	*Colinus virginianus*
Killdeer	*Charadrius vociferus*
Herring Gull	*Larus argentatus*
Mourning Dove	*Zenaida macroura*
Common Nighthawk	*Chordeiles minor*
Downy Woodpecker	*Picoides pubescens*
Northern Flicker	*Colaptes auratus*
Great Crested Flycatcher	*Myiarchus crinitus*
Eastern Kingbird	*Tyrannus tyrannus*
Tree Swallow	*Tachycineta bicolor*
Blue Jay	*Cyanocitta cristata*
American Crow	*Corvus brachyrhynchos*
Black-capped Chickadee	*Parus atricapillus*
Tufted Titmouse	*Parus bicolor*
Wood Thrush	*Hylocichla mustelina*
American Robin	*Turdus migratorius*
Gray Catbird	*Dumetella carolinensis*
Northern Mockingbird	*Mimus polyglottos*
Brown Thrasher	*Toxostoma rufum*
European Starling	*Sturnus vulgaris*
Yellow Warbler	*Dendroica petechia*
Northern Cardinal	*Cardinalis cardinalis*
Rose-breasted Grosbeak	*Pheucticus ludovicianus*
Blue Grosbeak	*Guiraca caerula*
Indigo Bunting	*Passerina cyanea*
Rufous-sided Towhee	*Pipilo erythrophthalmus*
Chipping Sparrow	*Spizella passerina*
Song Sparrow	*Melospiza melodia*
Red-winged Blackbird	*Agelaius phoeniceus*
Common Grackle	*Quiscalus quiscula*
Northern Oriole	*Icterus galbula*
American Goldfinch	*Carduelis tristis*

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PLANTS

TREES

White oak	*Quercus alba*
Red oak	*Quercus rubra*
Pin oak	*Quercus palustris*
Willow oak	*Quercus phellos*
Sweetgum	*Liquidambar styraciflua*
Red maple	*Acer rubrum*
Sassafras	*Sassafras albidum*
Red cedar	*Juniperus virginiana*
Black cherry	*Prunus virginiana*
Tree of heaven	*Ailanthus altissima*
Black gum	*Nyssa sylvatica*
Black mulberry	*Morus nigra*
Royal paulownia	*Paulownia tomentosa*
Black locust	*Robinia pseudoacacia*
Pignut hickory	*Carya glabra*

SHRUBS AND WOODY VINES

Silky dogwood	*Cornus amomum*
Southern arrowwood viburnum	*Viburnum dentatum*
Elderberry	*Sambucus canadensis*
Buttonbush	*Cephalanthus occidentalis*
Sweet pepperbush	*Clethra alnifolia*
Spicebush	*Lindera benzoin*
Highbush blueberry	*Vaccinium sp.*
Lowbush blueberry	*Vaccinium vacillans*
Japanese knotweed	*Polygonatum virginicum*
Highbush blackberry	*Rubus allegheniensis*
Swamp dewberry	*Rubus hispidus*
Winged sumac	*Rhus copallina*
Poison ivy	*Toxicodendron radicans*
Virginia creeper	*Parthenocissus virginiana*
Wild grape	*Vitis sp.*

HERBACEOUS VEGETATION

Cinnamon fern	*Osmunda regalis*
Sensitive fern	*Onoclea sensibilis*
Skunk cabbage	*Symplocarpus foetidus*
Broad-leaved arrowhead	*Sagittaria latifolia*
Violet	*Viola sp.*
Yarrow	*Achillea millefolium*
Boneset	*Eupatorium perfoliatum*
Queen Anne's lace	*Daucus carota*
Pokeweed	*Phytolacca americana*
Intermediate dogbane	*Apocynum medium*

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HERBACEOUS VEGETATION - continued

Round-headed bush clover	*Lespedeza capitata*
Pearly everlasting	*Anaphalis margaritacea*
Heath aster	*Aster ericoides*
Cattail	*Typha latifolia*
Common reed	*Phragmites communis*
Arrow-leaved tearthumb	*Polygonum sagittatum*
Little bluestem grass	*Andropogon scoparius*
Canada goldenrod	*Solidago canadensis*
Rough-stemmed goldenrod	*Solidago rugosa*
Small-leaved tick-trefoil	*Desmodium ciliare*
Water smartweed	*Polygonum sp.*
Soft rush	*Juncus effusus*
Spikesedge	*Eleocharis obtusa*
Tickseed sunflower	*Bidens aristosa*
Sweet Joe-Pye weed	*Eupatorium purpureum*
Teasel	*Dipsacus sylvestris*

NLI 002 1892

Appendix L

Appendix L

NLI 002 1893

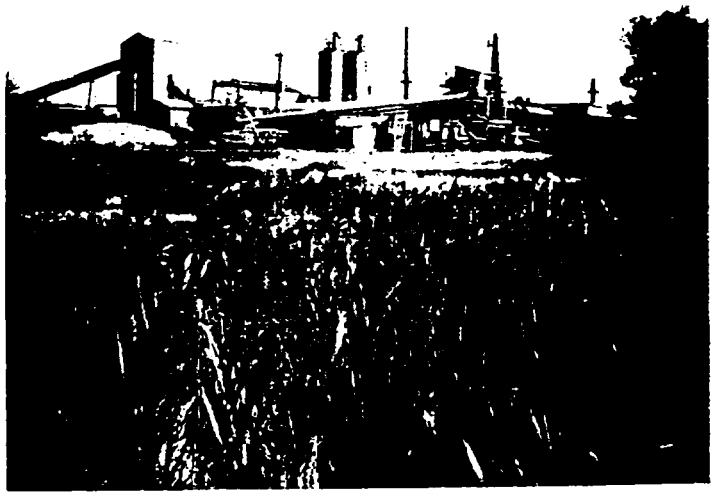
APPENDIX L
Site Photos
National Lead Site

/bovitz/fr-4643

NLI 002 1894

Photos 1-4. Clockwise from upper left: (1) West Stream at Pedricktown Road looking south; direction of flow is toward culvert; (2) West Stream at railroad tracks looking south; (3) West Stream at Route 130 looking southeast.

NLI 002 1895

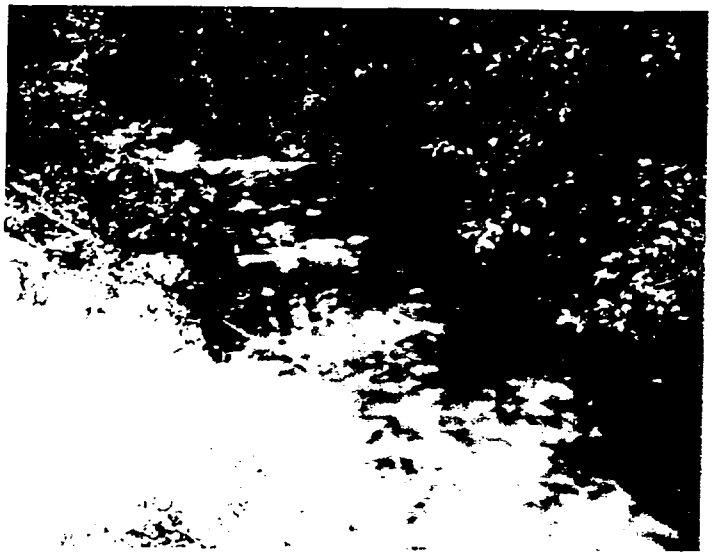


Photos 5-7. From top: (5) Palustrine emergent (PEM) wetland at railroad tracks looking north; (6) PEM wetland at same location looking southeast at National Lead facility; (7) Looking east at same location.

NLI 002 1896

Photos 8-9. From top: (8) View of sweetgum woods near Trap Grid II; (9) Edge of sweetgum woods at powerline right of way looking south.

NLI 002 1897



Photos 10-11. From top: (10) East Stream at Pedricktown Road; (11) Staging area showing early successional old field in vicinity of National Lead facility.

NLI 002 1898

Photos 12-13. From top: (12) Upland woods near Goodyear facility; (13) Forested wetland immediately west of Trap Grid IA.

NLI 002 1899