



DEPARTMENT OF THE NAVY
NAVAL SEA SYSTEMS COMMAND DETACHMENT
RADIOLOGICAL AFFAIRS SUPPORT OFFICE (RASO)
NWS PO. DRAWER 260
YORKTOWN, VA 23691-0260

N00236.001368
ALAMEDA POINT
SSIC NO. 5090.3

IN REPLY REFER TO:

5100/62474

RCN:

Ser 02/02E/

00831

09 DEC 1996

From: Officer in Charge, Naval Sea Systems Command Detachment,
Radiological Affairs Support Office (RASO)
To: Commanding Officer, Engineering Field Activity, West,
Naval Facilities Engineering Command (ATTN: George
Kikugawa)
Subj: FORWARDING OF DATA, ANOMALY #23 IN SITE 1, NAS ALAMEDA,
CALIFORNIA

Encl: (1) USRADS Track Map
(2) Contour Map of Anomaly #23
(3) Surface Map of Anomaly #23
(4) Stacked Maps of Anomaly #23
(5) Statistics Report
(6) Frequency Plot
(7) Box and Whisker Plot

1. Enclosures (1) through (7) forward the scoping survey data collected on 4 Oct 1996 in the immediate area surrounding anomaly #23 in site #1 at NAS Alameda. The data was collected, by LCDR Lino Fragoso and Mr. Troy Blanton, using NAVSEADET RASO's ultrasonic range and data acquisition system (USRADS 2200) utilizing three inline 3" X 3" shielded NaI detectors.

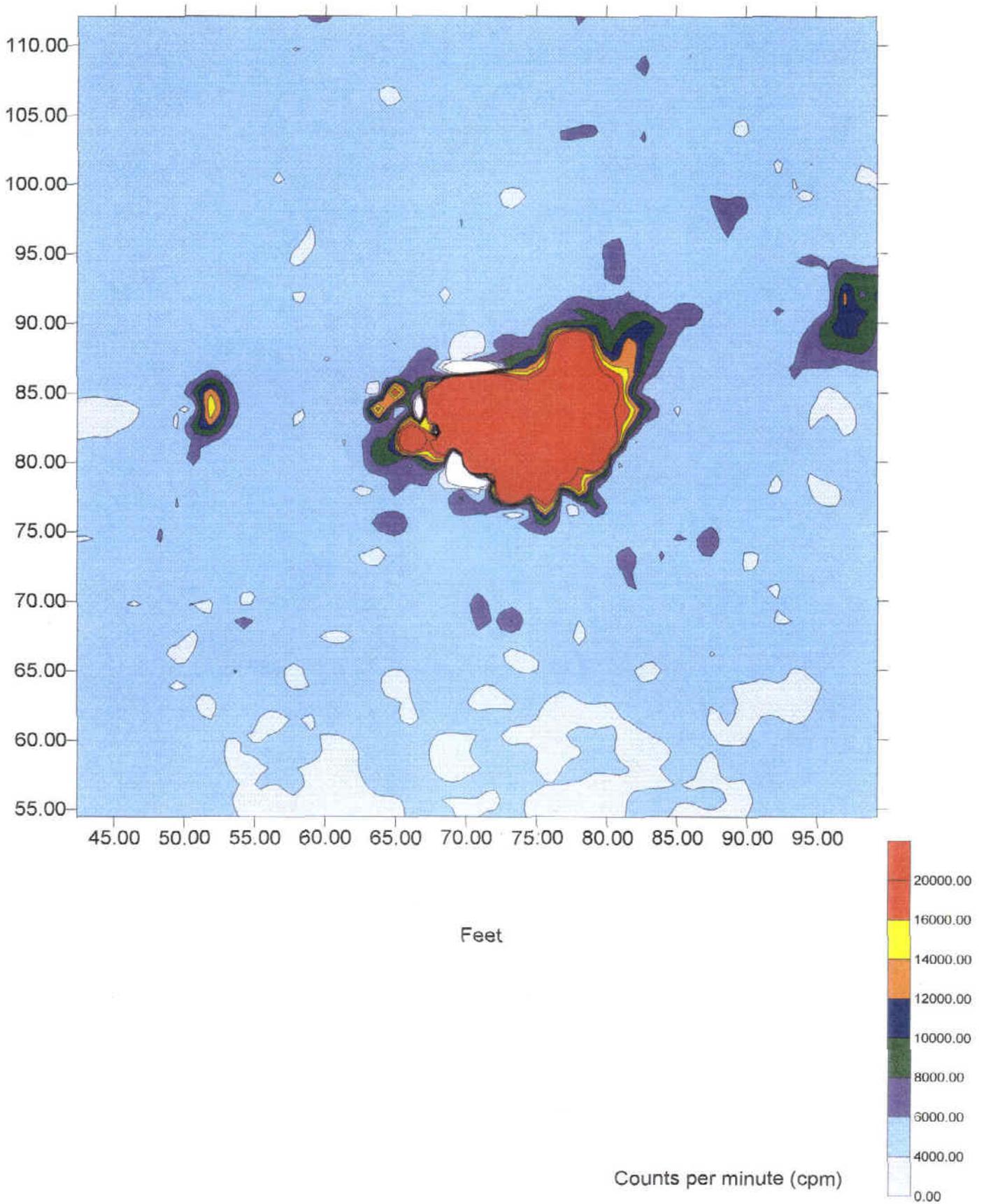
2. The highest reading recorded was 2.5 million counts per minute in an area where the background is approximately five thousand counts per minute. The elevated readings in the vicinity of anomaly #23 suggests that there are additional buried devices located in the immediate environs.

3. Based on the results of the scoping survey, NAVSEADET RASO recommends that additional characterization surveys be performed in Site #1 to determine if there are further areas of elevated readings.

4. NAVSEADET RASO point of contact is LCDR L. L. Fragoso or Mr. R. W. Lowman, DSN 953-4692, commercial (757) 887-4692.


D. E. FARRAND

ALAMEDA #23



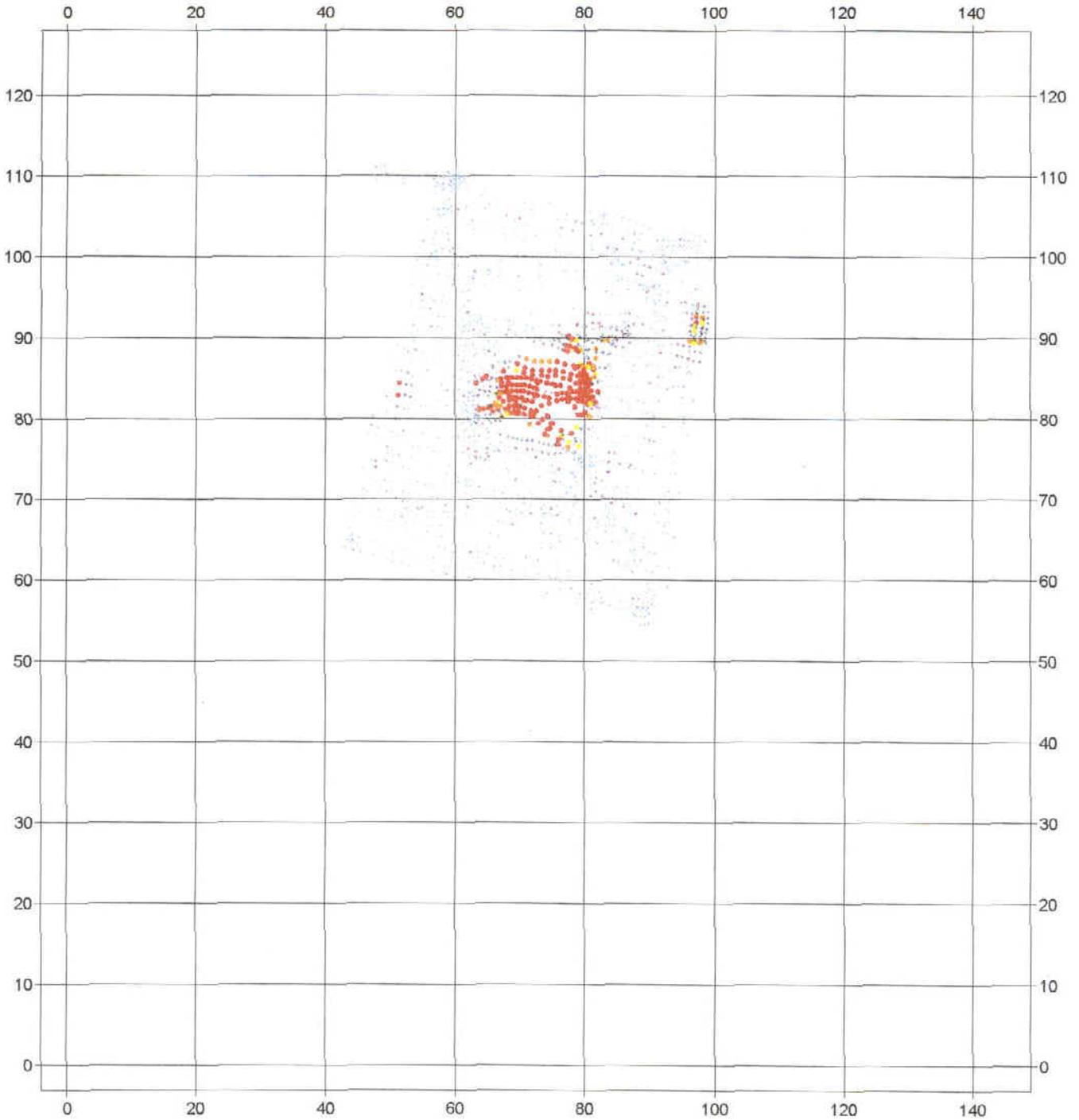
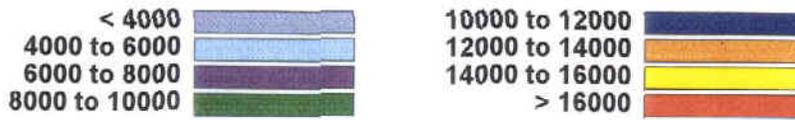
USRADS Analyze v1.49k Track Map

Site: ALAM1 (A)

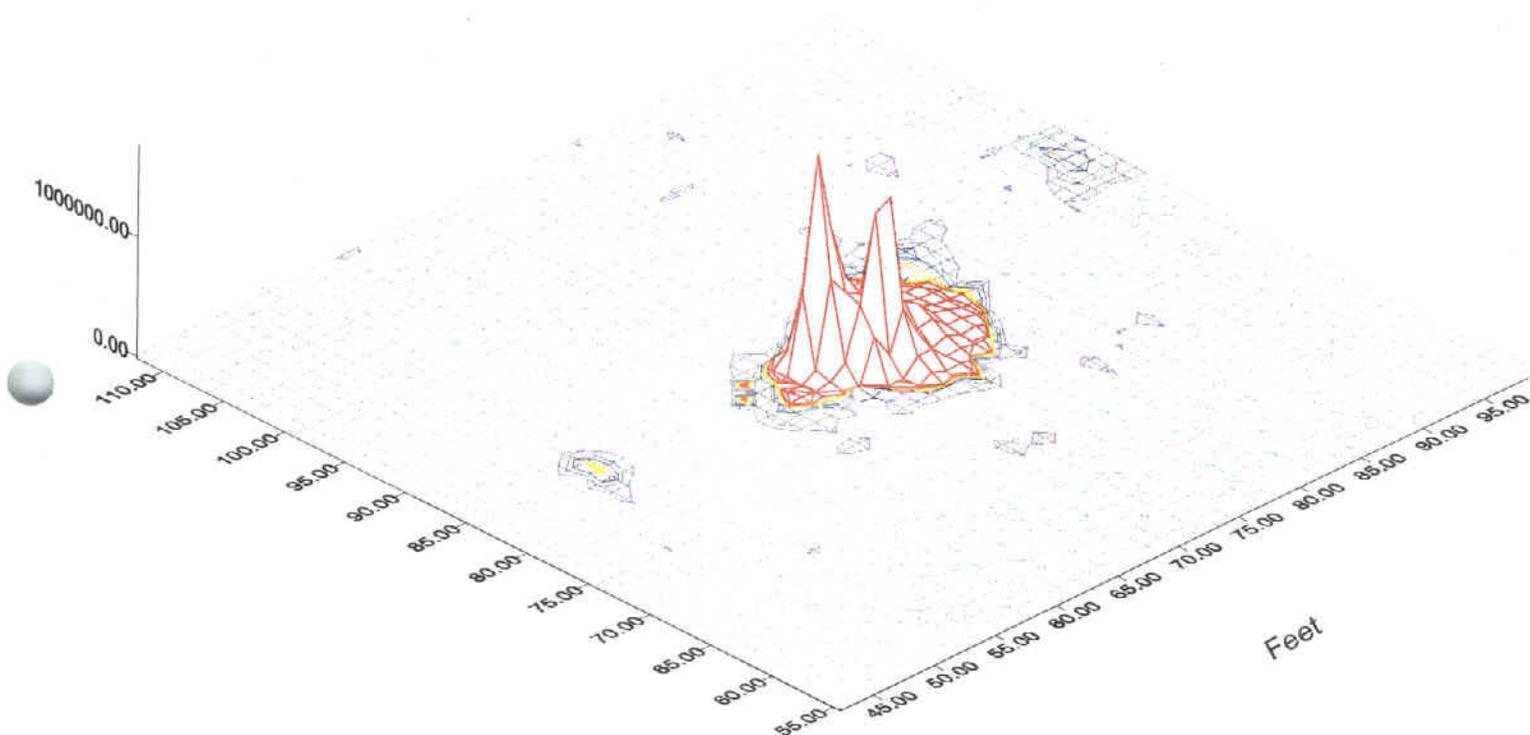
Signal: Alameda #23 (NaI cpm)

Time: 14:14:56 10/04/96

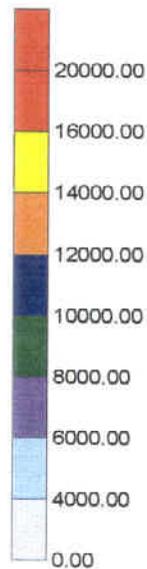
Threshold:
> 12000



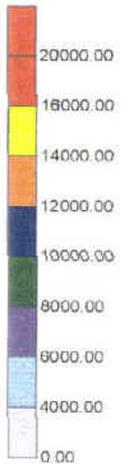
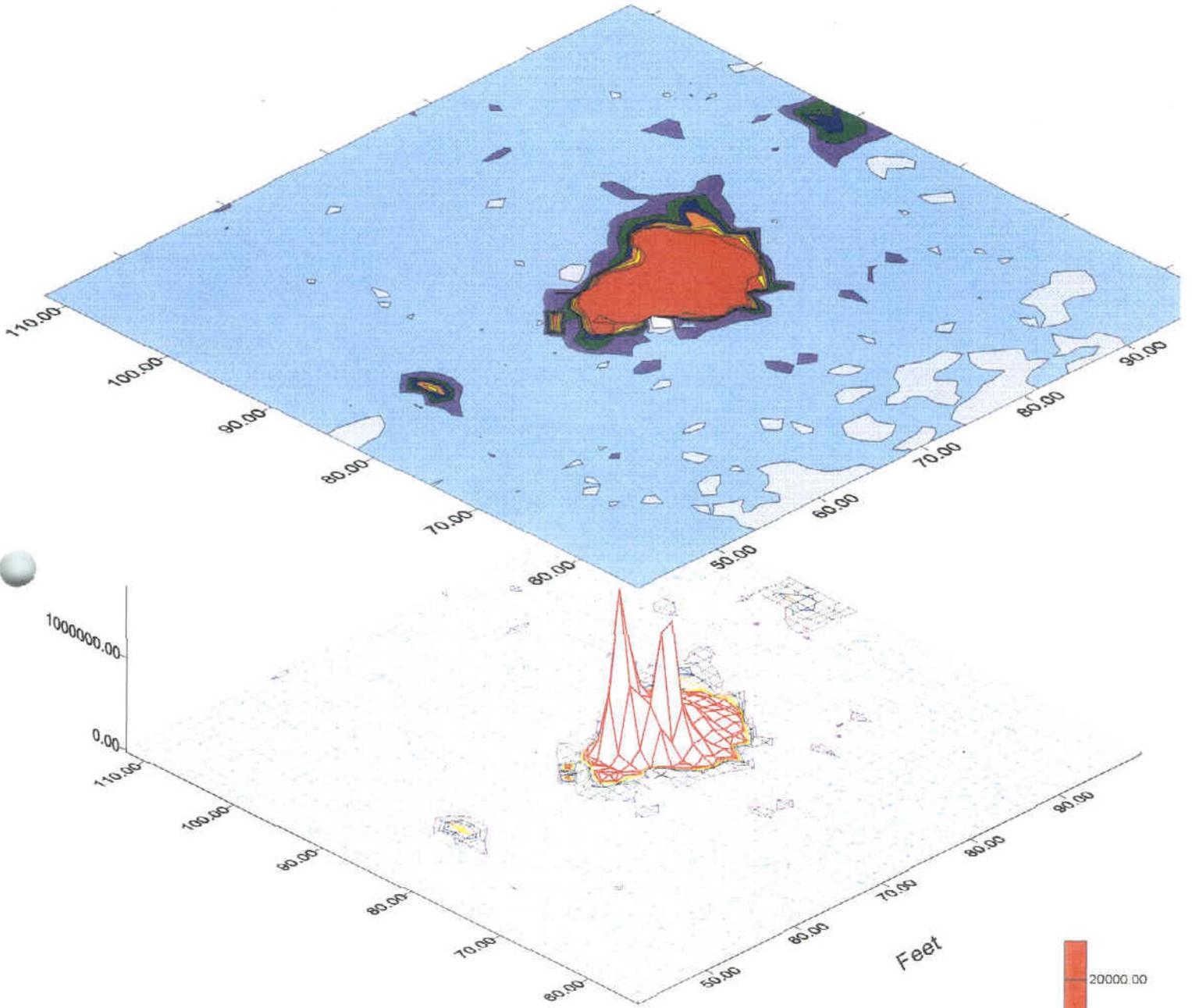
ALAMEDA #23



Counts per minute (cpm)



ALAMEDA #23



counts per minute (cpm)

*** ***** Statistics Report *****

Sample size (N)	3357
Num missings	0
Minimum	2602.1000
Maximum	2598252.0000
Std deviation	102891.9964
Variance	1.05867629E+010
Std error	1775.8485
C.V.	618.8116
Mean	16627.3553
Geometric mean	NaN
Quadratic mean	104211.6991
Harmonic mean	5162.8907
Sum	55818031.8640
Abs sum	55818031.8640
Sum squares	3.64572826E+013
Median	4937.6500
Mode	-18441.7607
Kurtosis	273.6322
Coeff kurtosis	276.6322
Skewness	14.8922
Coeff skewness	7.4461
Percentiles:	
10	3926.6740
25	4381.5350
50	4937.6500
75	5654.5000
90	8690.5080

Quartiles:

First quartile:	4381.5350
Second quartile:	4937.6500
Third quartile:	5654.5000

95.00% Confidence Interval:

lower limit	13145.5004
upper limit	20109.2103

Shewhart Statistics Report:

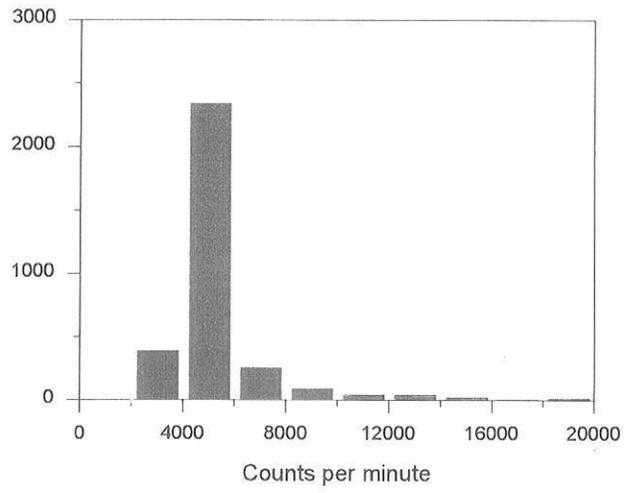
Variability:	618.8116
s (Std Deviation):	102891.9964
UCL (Average + 3*s):	325303.3445
Average + 2*s :	222411.3481
Average + s :	119519.3517
Average :	16627.3553
Average - s :	-86264.6411
Average - 2*s :	-189156.6375
LCL (Average - 3*s):	-292048.6339
Maximum :	2598252.0000
Minimum :	2602.1000
Average + C(N)*s :	170965.3499
Average - C(N)*s :	-137710.6393

99.73% Confidence Interval:

upper limit	21958.8321
lower limit	11295.8786

***** The End *****

Alameda #23
Frequency Plot



Alameda #23
Box & Whisker

