

## **Appendix H**

Appendix H1 –  
Bicron Readings

Appendix H1: Bicon Readings

WNYNSC Background:

Location	1 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (1 cm)	$x_i w_i$ (1 cm)	100 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (100 cm)	$x_i w_i$ (100 cm)
BA 1.1	5	0.5	4	20	4	0.4	6.25	25
BA 1.2	5	0.5	4	20	4	0.4	6.25	25
BA 1.3	5	0.5	4	20	4	0.4	6.25	25
BA 1.4	5	0.5	4	20	4	0.4	6.25	25
BA 1.5	4	0.4	6.25	25	3	0.3	11.11	33.33
BA 2.1	4	0.4	6.25	25	3	0.3	11.11	33.33
BA 2.2	5	0.5	4	20	4	0.4	6.25	25
BA 2.3	5	0.5	4	20	4	0.4	6.25	25
BA 2.4	5	0.5	4	20	4	0.4	6.25	25
BA 2.5	5	0.5	4	20	4	0.4	6.25	25

Average @ 1 cm ( $\mu\text{r}/\text{hour}$ )      4.72  
 1 Sigma @ 1 cm                      0.15  
 Average @ 1 cm + 2 sigma        5.02

Average @ 100 cm ( $\mu\text{r}/\text{hour}$ )      3.69  
 1 Sigma @ 100 cm                      0.12  
 Average @ 100 cm + 2 sigma        3.93

SNI Background:

Flood Plain								
Location	1 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (1 cm)	$x_i w_i$ (1 cm)	100 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (100 cm)	$x_i w_i$ (100 cm)
SNIB 19	6	0.6	2.8	16.7	5	0.5	4.0	20.0
SNIB 20	5	0.5	4.0	20.0	5	0.5	4.0	20.0
SNIB 21	7	0.7	2.0	14.3	6	0.6	2.8	16.7
SNIB 22	6	0.6	2.8	16.7	6	0.6	2.8	16.7
SNIB 24	5	0.5	4.0	20.0	4	0.4	6.3	25.0

Average @ 1 cm ( $\mu\text{r}/\text{hour}$ )      5.62  
 1 Sigma @ 1 cm                      0.25  
 Average @ 1 cm + 2 sigma        6.12

Average @ 100 cm ( $\mu\text{r}/\text{hour}$ )      4.96  
 1 Sigma @ 100 cm                      0.22  
 Average @ 100 cm + 2 sigma        5.41

Appendix H1: Bicron Readings

Non-Flood Plain								
Location	1 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (1 cm)	$x_i w_i$ (1 cm)	100 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (100 cm)	$x_i w_i$ (100 cm)
SNIB 18	15	1.5	0.4	6.7	13	1.3	0.6	7.7
SNIB 23	5	0.5	4.0	20.0	4	0.4	6.3	25.0
SNIB 25	7	0.7	2.0	14.3	5	0.5	4.0	20.0
SNIB 26	6	0.6	2.8	16.7	4	0.4	6.3	25.0
SNIB 27	5	0.5	4.0	20.0	4	0.4	6.3	25.0

Average @ 1 cm ( $\mu\text{r}/\text{hour}$ )	5.85	Average @ 100 cm ( $\mu\text{r}/\text{hour}$ )	4.40
1 Sigma @ 1 cm	0.27	1 Sigma @ 100 cm	0.21
Average @ 1 cm + 2 sigma	6.40	Average @ 100 cm + 2 sigma	4.81

Confirmatory Area:

Location	1 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	100 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma
C.1.C	11	1.1	10	1
C.2.C	13	1.3	10	1

Sub-Area L12:

Location	1 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (1 cm)	$x_i w_i$ (1 cm)	100 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (100 cm)	$x_i w_i$ (100 cm)
1.1.C	7	0.7	2.04	14.29	4	0.4	6.25	25.00
1.2.C	5	0.5	4.00	20.00	5	0.5	4.00	20.00

Average (100 cm)	5.68	Average (100 cm)	4.39
1 Sigma @ 100 cm	0.41	1 Sigma @ 100 cm	0.31

Sub-Area L23:

Location	1 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (1 cm)	$x_i w_i$ (1 cm)	100 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (100 cm)	$x_i w_i$ (100 cm)
1.3.C	6	0.6	2.78	16.67	6	0.6	2.78	16.67

Average (100 cm)	6.00	Average (100 cm)	6.00
1 Sigma @ 100 cm	0.60	1 Sigma @ 100 cm	0.60

Appendix H1: Bicron Readings

Sub-Area 2.1:

Location	1 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (1 cm)	$x_i w_i$ (1 cm)	100 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (100 cm)	$x_i w_i$ (100 cm)
2.1.1	7	0.7	2.04	14.29	7	0.7	2.04	14.29
2.1.2	9	0.9	1.23	11.11	9	0.9	1.23	11.11
2.1.3	9	0.9	1.23	11.11	8	0.8	1.56	12.50
2.1.4	7	0.7	2.04	14.29	7	0.7	2.04	14.29

Average (100 cm) 7.75  
1 Sigma @ 100 cm 0.39

Average (100 cm) 7.59  
1 Sigma @ 100 cm 0.38

Sub-Area 2.2:

Location	1 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (1 cm)	$x_i w_i$ (1 cm)	100 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (100 cm)	$x_i w_i$ (100 cm)
2.2.1	4	0.4	6.25	25.00	3	0.3	11.11	33.33
2.2.2	4	0.4	6.25	25.00	4	0.4	6.25	25.00
2.2.3	6	0.6	2.78	16.67	5	0.5	4.00	20.00
2.2.4	5	0.5	4.00	20.00	4	0.4	6.25	25.00

Average (100 cm) 4.50  
1 Sigma @ 100 cm 0.23

Average (100 cm) 3.74  
1 Sigma @ 100 cm 0.19

Appendix H1: Bicron Readings

Sub-Area 3.1:

Location	1 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (1 cm)	$x_i w_i$ (1 cm)	100 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (100 cm)	$x_i w_i$ (100 cm)
3.1.1	8	0.8	1.56	12.50	7	0.7	2.04	14.29
3.1.2	10	1	1.00	10.00	10	1	1.00	10.00
3.1.3E	8	0.8	1.56	12.50	8	0.8	1.56	12.50
3.1.4	8	0.8	1.56	12.50	7	0.7	2.04	14.29
3.1.5	8	0.8	1.56	12.50	7	0.7	2.04	14.29
3.1.6	8	0.8	1.56	12.50	7	0.7	2.04	14.29
3.1.7	8	0.8	1.56	12.50	8	0.8	1.56	12.50
3.1.8	8	0.8	1.56	12.50	7	0.7	2.04	14.29
3.1.9	7	0.7	2.04	14.29	7	0.7	2.04	14.29
3.1.10	9	0.9	1.23	11.11	9	0.9	1.23	11.11
3.1.11	7	0.7	2.04	14.29	10	1	1.00	10.00
3.1.12	9	0.9	1.23	11.11	9	0.9	1.23	11.11
3.1.13	10	1	1.00	10.00	8	0.8	1.56	12.50
3.1.14	8	0.8	1.56	12.50	8	0.8	1.56	12.50
3.1.15	8	0.8	1.56	12.50	10	1	1.00	10.00
3.1.16	9	0.9	1.23	11.11	9	0.9	1.23	11.11
3.1.17	6	0.6	2.78	16.67	5	0.5	4.00	20.00
3.1.18	8	0.8	1.56	12.50	7	0.7	2.04	14.29
3.1.19	8	0.8	1.56	12.50	12	1.2	0.69	8.33
3.1.20	7	0.7	2.04	14.29	5	0.5	4.00	20.00
3.1.21	9	0.9	1.23	11.11	10	1	1.00	10.00
3.1.22	9	0.9	1.23	11.11	10	1	1.00	10.00
3.1.23	9	0.9	1.23	11.11	10	1	1.00	10.00
3.1.24	9	0.9	1.23	11.11	10	1	1.00	10.00

Average (100 cm) 8.03  
1 Sigma @ 100 cm 0.17

Average (100 cm) 7.55  
1 Sigma @ 100 cm 0.16

Appendix H1: Bicron Readings

Sub-Area 3.2:

Location	1 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (1 cm)	$x_i w_i$ (1 cm)	100 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (100 cm)	$x_i w_i$ (100 cm)
3.2.1	6	0.6	2.78	16.67	5	0.5	4.00	20.00
3.2.2	7	0.7	2.04	14.29	5	0.5	4.00	20.00
3.2.3	6	0.6	2.78	16.67	6	0.6	2.78	16.67
3.2.4	5	0.5	4.00	20.00	3	0.3	11.11	33.33

Average (100 cm) 5.83  
1 Sigma @ 100 cm 0.29

Average (100 cm) 4.11  
1 Sigma @ 100 cm 0.21

Appendix H1: Bicron Readings

Sub-Area 4.1:

Location	1 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (1 cm)	$x_i w_i$ (1 cm)	100 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (100 cm)	$x_i w_i$ (100 cm)
4.1.A.R.1	8	0.8	1.56	12.50	7	0.7	2.04	14.29
4.1.B.R.1	7	0.7	2.04	14.29	6	0.6	2.78	16.67
4.1.B.R.2	8	0.8	1.56	12.50	6	0.6	2.78	16.67
4.1.B.R.3	8	0.8	1.56	12.50	7	0.7	2.04	14.29
4.1.B.R.4	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.1.B.R.5	7	0.7	2.04	14.29	6	0.6	2.78	16.67
4.1.B.R.6	7	0.7	2.04	14.29	6	0.6	2.78	16.67
4.1.B.R.7	8	0.8	1.56	12.50	7	0.7	2.04	14.29
4.1.B.R.8	7	0.7	2.04	14.29	7	0.7	2.04	14.29
4.1.C.R.1	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.1.C.R.2	7	0.7	2.04	14.29	6	0.6	2.78	16.67
4.1.C.R.3	7	0.7	2.04	14.29	6	0.6	2.78	16.67
4.1.C.R.4	5	0.5	4.00	20.00	4	0.4	6.25	25.00
4.1.C.R.5	6	0.6	2.78	16.67	7	0.7	2.04	14.29
4.1.C.R.6	7	0.7	2.04	14.29	5	0.5	4.00	20.00
4.1.C.R.7	7	0.7	2.04	14.29	6	0.6	2.78	16.67
4.1.C.R.8	5	0.5	4.00	20.00	4	0.4	6.25	25.00
4.1.C.R.9	8	0.8	1.56	12.50	6	0.6	2.78	16.67
4.1.D.R.1	8	0.8	1.56	12.50	7	0.7	2.04	14.29
4.1.D.R.2	8	0.8	1.56	12.50	7	0.7	2.04	14.29
4.1.D.R.3	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.1.D.R.4	7	0.7	2.04	14.29	6	0.6	2.78	16.67
4.1.D.R.5	7	0.7	2.04	14.29	6	0.6	2.78	16.67
4.1.D.R.6	6	0.6	2.78	16.67	5	0.5	4.00	20.00

Average (100 cm) 6.64  
1 Sigma @ 100 cm 0.14

Average (100 cm) 5.59  
1 Sigma @ 100 cm 0.12



Appendix H1: Bicon Readings

Sub-Area 4.2:

Location	1 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (1 cm)	$x_i w_i$ (1 cm)	100 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (100 cm)	$x_i w_i$ (100 cm)
4.2.A.R.1	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.2.A.R.2	7	0.7	2.04	14.29	5	0.5	4.00	20.00
4.2.A.R.3	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.2.A.R.4	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.2.B.R.1	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.2.B.R.2	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.2.B.R.3	7	0.7	2.04	14.29	5	0.5	4.00	20.00
4.2.B.R.4	8	0.8	1.56	12.50	6	0.6	2.78	16.67
4.2.B.R.5	8	0.8	1.56	12.50	7	0.7	2.04	14.29
4.2.B.R.6	6	0.6	2.78	16.67	6	0.6	2.78	16.67
4.2.B.R.7	9	0.9	1.23	11.11	8	0.8	1.56	12.50
4.2.B.R.8	6	0.6	2.78	16.67	6	0.6	2.78	16.67
4.2.B.R.9	5	0.5	4.00	20.00	4	0.4	6.25	25.00
4.2.B.R.10	6	0.6	2.78	16.67	4	0.4	6.25	25.00
4.2.B.R.11	5	0.5	4.00	20.00	4	0.4	6.25	25.00
4.2.B.R.12	5	0.5	4.00	20.00	4	0.4	6.25	25.00
4.2.B.R.13	6	0.6	2.78	16.67	4	0.4	6.25	25.00
4.2.B.R.14	10	1	1.00	10.00	7	0.7	2.04	14.29
4.2.B.R.15	5	0.5	4.00	20.00	4	0.4	6.25	25.00
4.2.B.R.16	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.2.B.R.17	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.2.B.R.18	7	0.7	2.04	14.29	6	0.6	2.78	16.67
4.2.C.R.1	5	0.5	4.00	20.00	5	0.5	4.00	20.00
4.2.C.R.2	5	0.5	4.00	20.00	5	0.5	4.00	20.00

Average (100 cm) 5.94  
1 Sigma @ 100 cm 0.12

Average (100 cm) 4.86  
1 Sigma @ 100 cm 0.10

Appendix H1: Bicron Readings

Sub-Area 4.3:

Location	1 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (1 cm)	$x_i w_i$ (1 cm)	100 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (100 cm)	$x_i w_i$ (100 cm)
4.3.A.1	5	0.5	4.00	20.00	5	0.5	4.00	20.00
4.3.A.2	5	0.5	4.00	20.00	4	0.4	6.25	25.00
4.3.A.3	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.3.A.4	4	0.4	6.25	25.00	6	0.6	2.78	16.67
4.3.B.1	7	0.7	2.04	14.29	6	0.6	2.78	16.67
4.3.B.2	6	0.6	2.78	16.67	3	0.3	11.11	33.33
4.3.B.3	5	0.5	4.00	20.00	3	0.3	11.11	33.33
4.3.B.R.4	7	0.7	2.04	14.29	7	0.7	2.04	14.29
4.3.B.5	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.3.B.R.6	4	0.4	6.25	25.00	3	0.3	11.11	33.33
4.3.B.7	7	0.7	2.04	14.29	4	0.4	6.25	25.00
4.3.B.8	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.3.B.9	7	0.7	2.04	14.29	5	0.5	4.00	20.00
4.3.B.10	6	0.6	2.78	16.67	6	0.6	2.78	16.67
4.3.B.11	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.3.B.12	5	0.5	4.00	20.00	5	0.5	4.00	20.00
4.3.B.R.13	6	0.6	2.78	16.67	7	0.7	2.04	14.29
4.3.B.14	5	0.5	4.00	20.00	4	0.4	6.25	25.00
4.3.B.15	7	0.7	2.04	14.29	4	0.4	6.25	25.00
4.3.B.16	6	0.6	2.78	16.67	6	0.6	2.78	16.67
4.3.B.17	7	0.7	2.04	14.29	6	0.6	2.78	16.67
4.3.B.18	6	0.6	2.78	16.67	8	0.8	1.56	12.50
4.3.B.R.19	6	0.6	2.78	16.67	6	0.6	2.78	16.67
4.3.B.20	6	0.6	2.78	16.67	4	0.4	6.25	25.00

Average (100 cm) 5.57  
1 Sigma @ 100 cm 0.12

Average (100 cm) 4.40  
1 Sigma @ 100 cm 0.09

Appendix H1: Bicon Readings

Sub-Area 4.4:

Location	1 cm (µrem/hour)	1 Sigma	w <sub>i</sub> (1 cm)	x <sub>i</sub> w <sub>i</sub> (1 cm)	100 cm (µrem/hour)	1 Sigma	w <sub>i</sub> (100 cm)	x <sub>i</sub> w <sub>i</sub> (100 cm)
4.4.A.1	5	0.5	4.00	20.00	6	0.6	2.78	16.67
4.4.B.1	5	0.5	4.00	20.00	4	0.4	6.25	25.00
4.4.C.1	5	0.5	4.00	20.00	4	0.4	6.25	25.00
4.4.C.2	6	0.6	2.78	16.67	4	0.4	6.25	25.00
4.4.C.3	5	0.5	4.00	20.00	4	0.4	6.25	25.00
4.4.C.4	6	0.6	2.78	16.67	3	0.3	11.11	33.33
4.4.C.5	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.4.C.6	6	0.6	2.78	16.67	6	0.6	2.78	16.67
4.4.C.7	4	0.4	6.25	25.00	6	0.6	2.78	16.67
4.4.D.1	4	0.4	6.25	25.00	5	0.5	4.00	20.00
4.4.D.2	5	0.5	4.00	20.00	0	0	0.00	0.00
4.4.D.R.3	5	0.5	4.00	20.00	5	0.5	4.00	20.00
4.4.D.R.4	7	0.7	2.04	14.29	5	0.5	4.00	20.00
4.4.D.R.5	9	0.9	1.23	11.11	7	0.7	2.04	14.29
4.4.D.R.6	5	0.5	4.00	20.00	5	0.5	4.00	20.00

Average (100 cm) 5.14  
1 Sigma @ 100 cm 0.13

Average (100 cm) 4.48  
1 Sigma @ 100 cm 0.12

Appendix H1: Bicron Readings

Sub-Area 4.5:

Location	1 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (1 cm)	$x_i w_i$ (1 cm)	100 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (100 cm)	$x_i w_i$ (100 cm)
4.5.A.R.1	4	0.4	6.25	25.00	3	0.3	11.11	33.33
4.5.A.R.2	5	0.5	4.00	20.00	5	0.5	4.00	20.00
4.5.A.3	5	0.5	4.00	20.00	4	0.4	6.25	25.00
4.5.A.4	5	0.5	4.00	20.00	4	0.4	6.25	25.00
4.5.A.5	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.5.A.R.6	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.5.A.R.7	7	0.7	2.04	14.29	6	0.6	2.78	16.67
4.5.B.R.1	4	0.4	6.25	25.00	4	0.4	6.25	25.00
4.5.B.R.2	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.5.B.R.3	5	0.5	4.00	20.00	5	0.5	4.00	20.00
4.5.B.R.4	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.5.B.R.5	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.5.B.R.6	6	0.6	2.78	16.67	6	0.6	2.78	16.67
4.5.B.R.7	8	0.8	1.56	12.50	7	0.7	2.04	14.29
4.5.B.R.8	7	0.7	2.04	14.29	6	0.6	2.78	16.67
4.5.C.R.1	6	0.6	2.78	16.67	3	0.3	11.11	33.33
4.5.C.R.2	6	0.6	2.78	16.67	7	0.7	2.04	14.29
4.5.C.3.R	5	0.5	4.00	20.00	4	0.4	6.25	25.00
4.5.C.R.4	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.5.C.R.5	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.5.C.R.6	6	0.6	2.78	16.67	5	0.5	4.00	20.00
4.5.C.R.7	7	0.7	2.04	14.29	5	0.5	4.00	20.00
4.5.C.R.8	5	0.5	4.00	20.00	4	0.4	6.25	25.00
4.5.C.R.9	7	0.7	2.04	14.29	5	0.5	4.00	20.00

Average (100 cm) 5.51  
1 Sigma @ 100 cm 0.11

Average (100 cm) 4.48  
1 Sigma @ 100 cm 0.09

Appendix H1: Bicon Readings

Sub-Area 5.1:

Location	1 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (1 cm)	$x_i w_i$ (1 cm)	100 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (100 cm)	$x_i w_i$ (100 cm)
5.1.A.R.1	5	0.5	4.00	20.00	5	0.5	4.00	20.00
5.1.A.R.2	8	0.8	1.56	12.50	7	0.7	2.04	14.29
5.1.B.R.1	8	0.8	1.56	12.50	7	0.7	2.04	14.29
5.1.B.R.2	8	0.8	1.56	12.50	7	0.7	2.04	14.29

Average (100 cm) 6.62  
1 Sigma @ 100 cm 0.34

Average (100 cm) 6.21  
1 Sigma @ 100 cm 0.31

Sub-Area 5.2:

Location	1 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (1 cm)	$x_i w_i$ (1 cm)	100 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (100 cm)	$x_i w_i$ (100 cm)
5.2.A.R.1	5	0.5	4.00	20.00	4	0.4	6.25	25.00
5.2.A.R.2	7	0.7	2.04	14.29	6	0.6	2.78	16.67
5.2.A.R.3	5	0.5	4.00	20.00	4	0.4	6.25	25.00
5.2.A.R.4	6	0.6	2.78	16.67	5	0.5	4.00	20.00
5.2.A.R.5	6	0.6	2.78	16.67	4	0.4	6.25	25.00
5.2.A.R.6	7	0.7	2.04	14.29	6	0.6	2.78	16.67
5.2.A.R.7	5	0.5	4.00	20.00	4	0.4	6.25	25.00
5.2.B.R.1	6	0.6	2.78	16.67	5	0.5	4.00	20.00
5.2.B.R.2	7	0.7	2.04	14.29	6	0.6	2.78	16.67
5.2.B.R.3	5	0.5	4.00	20.00	5	0.5	4.00	20.00
5.2.B.R.4	6	0.6	2.78	16.67	5	0.5	4.00	20.00
5.2.B.R.5	5	0.5	4.00	20.00	5	0.5	4.00	20.00
5.2.B.R.6	5	0.5	4.00	20.00	4	0.4	6.25	25.00
5.2.B.R.7	6	0.6	2.78	16.67	5	0.5	4.00	20.00
5.2.B.R.8	5	0.5	4.00	20.00	4	0.4	6.25	25.00

Average (100 cm) 5.54  
1 Sigma @ 100 cm 0.14

Average (100 cm) 4.58  
1 Sigma @ 100 cm 0.12

Appendix H1: Bicon Readings

Sub-Area 5.3:

Location	1 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (1 cm)	$x_i w_i$ (1 cm)	100 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (100 cm)	$x_i w_i$ (100 cm)
5.3.A.R.1	6	0.6	2.78	16.67	5	0.5	4.00	20.00
5.3.A.R.2	5	0.5	4.00	20.00	4	0.4	6.25	25.00
5.3.A.R.3	6	0.6	2.78	16.67	5	0.5	4.00	20.00
5.3.A.R.4	5	0.5	4.00	20.00	5	0.5	4.00	20.00

Average (100 cm) 5.41  
1 Sigma @ 100 cm 0.27

Average (100 cm) 4.66  
1 Sigma @ 100 cm 0.23

Sub-Area 5.4:

Location	1 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (1 cm)	$x_i w_i$ (1 cm)	100 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (100 cm)	$x_i w_i$ (100 cm)
5.4.A.R.1	5	0.5	4.00	20.00	4	0.4	6.25	25.00
5.4.A.R.2	7	0.7	2.04	14.29	6	0.6	2.78	16.67
5.4.A.R.3	7	0.7	2.04	14.29	5	0.5	4.00	20.00
5.4.A.R.4	7	0.7	2.04	14.29	6	0.6	2.78	16.67

Average (100 cm) 6.21  
1 Sigma @ 100 cm 0.31

Average (100 cm) 4.96  
1 Sigma @ 100 cm 0.25

Sub-Area 5.5:

Location	1 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (1 cm)	$x_i w_i$ (1 cm)	100 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (100 cm)	$x_i w_i$ (100 cm)
5.5.A.R.1	5	0.5	4.00	20.00	5	0.5	4.00	20.00
5.5.A.R.2	7	0.7	2.04	14.29	6	0.6	2.78	16.67
5.5.A.R.3	6	0.6	2.78	16.67	5	0.5	4.00	20.00
5.5.A.R.4	8	0.8	1.56	12.50	7	0.7	2.04	14.29

Average (100 cm) 6.11  
1 Sigma @ 100 cm 0.31

Average (100 cm) 5.54  
1 Sigma @ 100 cm 0.28

## Appendix H1: Bicon Readings

Sub-Area 5.6:

Location	1 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (1 cm)	$x_i w_i$ (1 cm)	100 cm ( $\mu\text{rem}/\text{hour}$ )	1 Sigma	$w_i$ (100 cm)	$x_i w_i$ (100 cm)
5.6.A.R.1	5	0.5	4.00	20.00	6	0.6	2.78	16.67
5.6.A.R.2	5	0.5	4.00	20.00	4	0.4	6.25	25.00
5.6.A.R.3	5	0.5	4.00	20.00	5	0.5	4.00	20.00
5.6.A.R.4	5	0.5	4.00	20.00	4	0.4	6.25	25.00

Average (100 cm) 5.00  
1 Sigma @ 100 cm 0.25

Average (100 cm) 4.50  
1 Sigma @ 100 cm 0.23