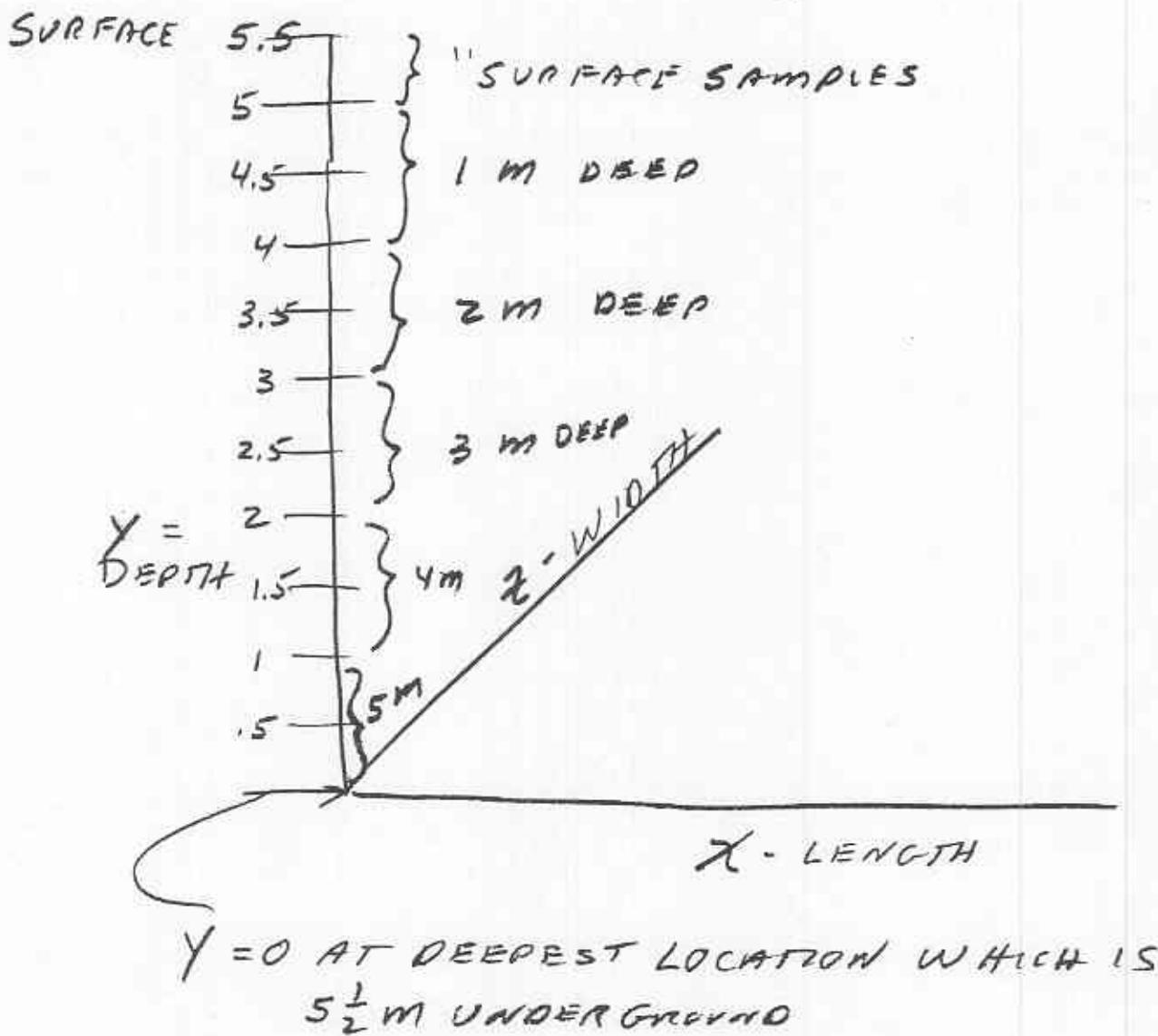
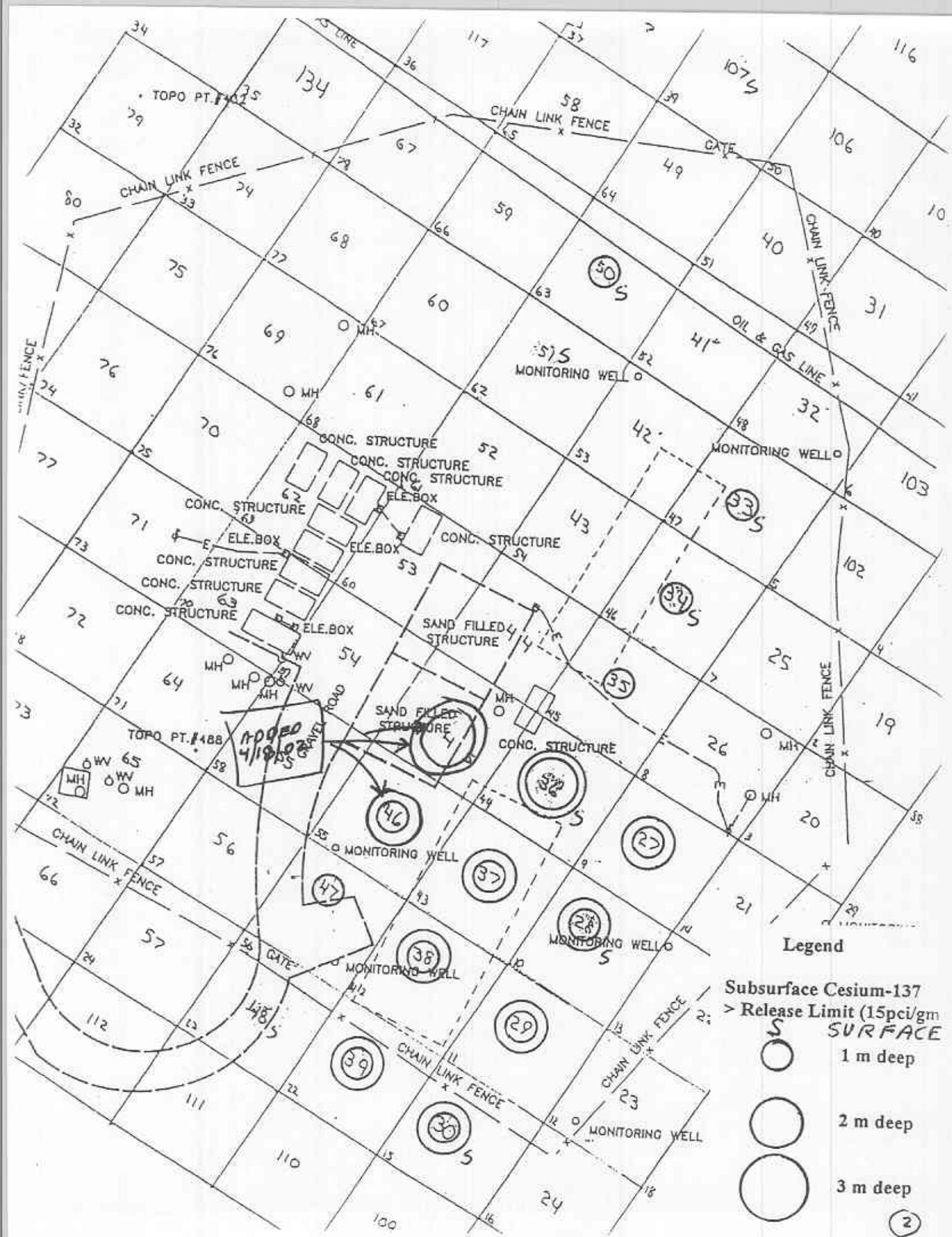


# CESIUM-137 IN ABANDONED NORTH FILTER BED AREA

## COORDINATE SYSTEM





## Legend

Subsurface Cesium-137  
> Release Limit (15 pCi/gm)  
S SURFACE



1 m deep



2 m deep



3 m deep

Cesium-137 Concentrations (pCi/g) in Abandoned Filter Bed Area

COORDINATE

Depth, y =

5

to 5.5

meters

(SURFACE)

)

filename: conc4mat.xls	48sw	48nw	47sw	47nw	46sw	46nw	45sw	45nw	44sw	44nw	43sw	43nw	42sw	42nw	41sw	41nw
0.y.35	5.y.35	10.y.35	15.y.35	20.y.35	25.y.35	30.y.35	35.y.35	40.y.35	45.y.35	50.y.35	55.y.35	60.y.35	65.y.35	70.y.35	75.y.35	80.y.35
111ne	48se	48ne	47se	47ne	46se	46ne	45se	45ne	44se	44ne	43se	43ne	42se	42ne	41se	41ne
11.1	22.0	2.71	1.80										11.5			3.12
0.y.30	5.y.30	10.y.30	15.y.30	20.y.30	25.y.30	30.y.30	35.y.30	40.y.30	45.y.30	50.y.30	55.y.30	60.y.30	65.y.30	70.y.30	75.y.30	80.y.30
110nw	39sw	39nw	38sw	38nw	37sw	37nw	36sw	36nw	35sw	35nw	34sw	34nw	33sw	33nw	32sw	32nw
5.72													19.7	20.8	25.2	14.2
0.y.25	5.y.25	10.y.25	15.y.25	20.y.25	25.y.25	30.y.25	35.y.25	40.y.25	45.y.25	50.y.25	55.y.25	60.y.25	65.y.25	70.y.25	75.y.25	80.y.25
110ne	39se	39ne	38se	38ne	37se	37ne	36se	36ne	35se	35ne	34se	34ne	33se	33ne	32se	32ne
10.4	0.49	8.00	7.00				53.1	9.37					8.68			1.60
0.y.20	5.y.20	10.y.20	15.y.20	20.y.20	25.y.20	30.y.20	35.y.20	40.y.20	45.y.20	50.y.20	55.y.20	60.y.20	65.y.20	70.y.20	75.y.20	80.y.20
109nw	30sw	30nw*	29sw	29nw	28sw	28nw	27sw	27nw	26sw	26nw	25sw	25nw	25sw	25nw	102sw	103nw
20.5																
0.y.15	5.y.15	10.y.15	15.y.15	20.y.15	25.y.15	30.y.15	35.y.15	40.y.15	45.y.15	50.y.15	55.y.15	60.y.15	65.y.15	70.y.15	75.y.15	80.y.15
109ne	30se	30ne	29se	29ne	28se	28ne	27se	27ne	26se	26ne	25se	25ne	25se	25ne	102se	103se
3.75	4.90	0.315														
0.y.10	5.y.10	10.y.10	15.y.10	20.y.10	25.y.10	30.y.10	35.y.10	40.y.10	45.y.10	50.y.10	55.y.10	60.y.10	65.y.10	70.y.10	75.y.10	80.y.10
108nw	24sw	24nw	23nw	23sw	22nw	22sw	21nw	21sw	20sw	20nw	19sw	19nw	18sw	18nw	17sw	17nw
0.y.5	5.y.5	10.y.5	15.y.5	20.y.5	25.y.5	30.y.5	35.y.5	40.y.5	45.y.5	50.y.5	55.y.5	60.y.5	65.y.5	70.y.5	75.y.5	80.y.5
108ne	24se	24ne	23se	23ne	22se	22ne	21se	21ne	20se	20ne	19se	19ne	18se	18ne	17se	17ne
0.y.0	5.y.0	10.y.0	15.y.0	20.y.0	25.y.0	30.y.0	35.y.0	40.y.0	45.y.0	50.y.0	55.y.0	60.y.0	65.y.0	70.y.0	75.y.0	80.y.0

\*NOTE: GRAB SAMPLE IN 30 NW FROM SURFACE TO 18" DEEP  
FOUNO 855 PC/g

Cesium-137 Concentrations (pCi/g) in Abandoned Filter Bed Area									
C00R01n47E Depth, y = 4 to .5 meters					( 1 m DEPTH )				
filename: conc4mat.xls	48sw	48nw	47sw	47nw	46sw	46nw	45sw	45nw	44sw
111nw	48sw	48nw	47sw	47nw	46sw	46nw	45sw	45nw	44sw
0,y,35	5,y,35	10,y,35	15,y,35	20,y,35	25,y,35	30,y,35	35,y,35	40,y,35	45,y,35
111ne	48se	48ne	47se	47ne	46se	46ne	45se	45ne	44se
<b>6.57</b>			<b>80.9</b>		<b>72.7</b>				
0,y,30	5,y,30	10,y,30	15,y,30	20,y,30	25,y,30	30,y,30	35,y,30	40,y,30	45,y,30
110nw	39nw	38sw	38nw	37sw	36sw	36nw	35sw	35nw	34sw
<b>37.7</b>	<b>5.59</b>	<b>21.6</b>							
0,y,25	5,y,25	10,y,25	15,y,25	20,y,25	25,y,25	30,y,25	35,y,25	40,y,25	45,y,25
110ne	39se	39ne	38se	38ne	37se	37ne	36se	36ne	35se
<b>49.7</b>	<b>7.59</b>	<b>39.1</b>	<b>14.2</b>	<b>11.4</b>	<b>7.28</b>	<b>1.42</b>			
0,y,20	5,y,20	10,y,20	15,y,20	20,y,20	25,y,20	30,y,20	35,y,20	40,y,20	45,y,20
109nw	30nw	29sw	29nw	28sw	28nw	27sw	27nw	26sw	25sw
<b>50.5</b>	<b>19.6</b>	<b>93.3</b>	<b>3.52</b>	<b>38.1</b>		<b>41.4</b>			
0,y,15	5,y,15	10,y,15	15,y,15	20,y,15	25,y,15	30,y,15	35,y,15	40,y,15	45,y,15
109ne	30se	30ne	29ne	28se	28ne	27se	27ne	26se	26ne
<b>2.66</b>									
0,y,10	5,y,10	10,y,10	15,y,10	20,y,10	25,y,10	30,y,10	35,y,10	40,y,10	45,y,10
108nw	24sw	24nw	23sw	23nw	22sw	22nw	21sw	21nw	20sw
<b>0,y,5</b>	<b>5,y,5</b>	<b>10,y,5</b>	<b>15,y,5</b>	<b>20,y,5</b>	<b>25,y,5</b>	<b>30,y,5</b>	<b>35,y,5</b>	<b>40,y,5</b>	<b>45,y,5</b>
108ne	24se	24ne	23ne	22se	22ne	21se	21ne	20se	20ne
<b>0,y,0</b>	<b>5,y,0</b>	<b>10,y,0</b>	<b>15,y,0</b>	<b>20,y,0</b>	<b>25,y,0</b>	<b>30,y,0</b>	<b>35,y,0</b>	<b>40,y,0</b>	<b>45,y,0</b>

## Cesium-137 Concentrations (pCi/g) in Abandoned Filter Bed Area

*CO 01/11/72  
Depth, Y = 3 to 4 meters*

filename: conc4mat.xls														
111nw	48sw	48nw	47sw	47nw	46sw	46nw	45sw	45nw	44sw	44nw	43sw	43nw	42sw	42nw
0,y,35	5,y,35	10,y,35	15,y,35	20,y,35	25,y,35	30,y,35	35,y,35	40,y,35	45,y,35	50,y,35	55,y,35	60,y,35	65,y,35	70,y,35
111ne	48se	48ne	47se	47ne	46se	46ne	45se	45ne	44se	44ne	43se	43ne	42se	42ne
<b>7.17</b>		<b>3.49</b>	<b>10.3</b>	<b>20.0</b>	<b>18.5</b>								<b>0.599</b>	
0,y,30	5,y,30	10,y,30	15,y,30	20,y,30	25,y,30	30,y,30	35,y,30	40,y,30	45,y,30	50,y,30	55,y,30	60,y,30	65,y,30	70,y,30
110nw	39sw	38sw	38nw	37sw	37nw	36sw	36nw	35sw	35nw	34sw	34nw	33sw	33nw	32sw
<b>5.30</b>	<b>40.1</b>	<b>26.1</b>	<b>17.8</b>	<b>13.7</b>	<b>25.8</b>					<b>6.88</b>	<b>8.31</b>			
0,y,25	5,y,25	10,y,25	15,y,25	20,y,25	25,y,25	30,y,25	35,y,25	40,y,25	45,y,25	50,y,25	55,y,25	60,y,25	65,y,25	70,y,25
110ne	39se	39ne	38se	38ne	37se	37ne	36se	36ne	35se	35ne	34se	34ne	33se	33ne
<b>19.9</b>	<b>53.6</b>	<b>10.6</b>	<b>9.85</b>		<b>41.5</b>	<b>21.7</b>								
0,y,20	5,y,20	10,y,20	15,y,20	20,y,20	25,y,20	30,y,20	35,y,20	40,y,20	45,y,20	50,y,20	55,y,20	60,y,20	65,y,20	70,y,20
109nw	30sw	30nw	29sw	29nw	28sw	28nw	27sw	27nw	26sw	26nw	25sw	25nw	25sw	25nw
<b>32.3</b>	<b>83.0</b>	<b>12.3</b>	<b>0.421</b>	<b>31.2</b>		<b>15.8</b>								
0,y,15	5,y,15	10,y,15	15,y,15	20,y,15	25,y,15	30,y,15	35,y,15	40,y,15	45,y,15	50,y,15	55,y,15	60,y,15	65,y,15	70,y,15
109ne	30se	30ne	29se	29ne	28se	28ne	27se	27ne	26se	26ne	25se	25ne	25se	25ne
0,y,10	5,y,10	10,y,10	15,y,10	20,y,10	25,y,10	30,y,10	35,y,10	40,y,10	45,y,10	50,y,10	55,y,10	60,y,10	65,y,10	70,y,10
108nw	24sw	24nw	23sw	23nw	22sw	22nw	21sw	21nw	20sw	20nw	19sw	19nw	18sw	18nw
0,y,5	5,y,5	10,y,5	15,y,5	20,y,5	25,y,5	30,y,5	35,y,5	40,y,5	45,y,5	50,y,5	55,y,5	60,y,5	65,y,5	70,y,5
108ne	24se	24ne	23se	23ne	22se	22ne	21se	21ne	20se	20ne	19se	19ne	18se	18ne
0,y,0	5,y,0	10,y,0	15,y,0	20,y,0	25,y,0	30,y,0	35,y,0	40,y,0	45,y,0	50,y,0	55,y,0	60,y,0	65,y,0	70,y,0

(2 M D 50 RH)

Cesium-137 Concentrations (pCi/g) in Abandoned Filter Bed Area

filename: conc4mat.xls		C 0 D R D, 0 1 7 5		Depth, y = 2 to 3 meters		( 3 m DEEP )	
111nw	48sw	48nw	47sw	47nw	46sw	45nw	44sw
0,y,35	5,y,35	10,y,35	15,y,35	20,y,35	25,y,35	30,y,35	35,y,35
111ne	48se	48ne	47se	47ne	46se	45se	44se
0,y,30	5,y,30	10,y,30	15,y,30	20,y,30	25,y,30	30,y,30	35,y,30
110nw	39sw	39nw	38sw	38nw	37sw	37nw	36sw
0,y,25	5,y,25	10,y,25	15,y,25	20,y,25	25,y,25	30,y,25	35,y,25
110ne	39se	39ne	38se	38ne	37se	37ne	36ne
0,y,20	5,y,20	10,y,20	15,y,20	20,y,20	25,y,20	30,y,20	35,y,20
109nw	30sw	30nw	29sw	29nw	28sw	27sw	27nw
0,y,15	5,y,15	10,y,15	15,y,15	20,y,15	25,y,15	30,y,15	35,y,15
109ne	30se	30ne	29se	29ne	28se	27se	27ne
0,y,10	5,y,10	10,y,10	15,y,10	20,y,10	25,y,10	30,y,10	35,y,10
108nw	24sw	24nw	23sw	23nw	22sw	21nw	21sw
0,y,5	5,y,5	10,y,5	15,y,5	20,y,5	25,y,5	30,y,5	35,y,5
108ne	24se	24ne	23se	23ne	22se	21ne	20se
0,y,0	5,y,0	10,y,0	15,y,0	20,y,0	25,y,0	30,y,0	35,y,0

Cesium-137 Concentrations (pCi/g) in Abandoned Filter Bed Area									
filename: concd4mat.xls					Depth, y = 1 to 2 meters				
					0.0 to 0.0 meters				
(Y M D E E P)					(Y M D E E P)				
111nw	48sw	48nw	47sw	47nw	46sw	46nw	45sw	45nw	44sw
0,y,35	5,y,35	10,y,35	15,y,35	20,y,35	25,y,35	30,y,35	35,y,35	40,y,35	45,y,35
111ne	48se	48ne	47se	47ne	46se	46ne	45se	45ne	44se
0,y,30	5,y,30	10,y,30	15,y,30	20,y,30	25,y,30	30,y,30	35,y,30	40,y,30	45,y,30
110nw	39sw	38sw	38nw	37sw	37nw	36sw	35sw	36nw	35nw
0,y,25	5,y,25	10,y,25	15,y,25	20,y,25	25,y,25	30,y,25	35,y,25	40,y,25	45,y,25
110ne	39se	39ne	38se	38ne	37se	37ne	36se	36ne	35se
0,y,20	5,y,20	10,y,20	15,y,20	20,y,20	25,y,20	30,y,20	35,y,20	40,y,20	45,y,20
109nw	30sw	30nw	29sw	29nw	28sw	28nw	27sw	27nw	26sw
0,y,15	5,y,15	10,y,15	15,y,15	20,y,15	25,y,15	30,y,15	35,y,15	40,y,15	45,y,15
109ne	30se	30ne	29se	29ne	28se	28ne	27se	27ne	26se
0,y,10	5,y,10	10,y,10	15,y,10	20,y,10	25,y,10	30,y,10	35,y,10	40,y,10	45,y,10
108nw	24sw	24nw	23sw	23nw	22sw	22nw	21sw	21nw	20sw
0,y,5	5,y,5	10,y,5	15,y,5	20,y,5	25,y,5	30,y,5	35,y,5	40,y,5	45,y,5
108ne	24se	24ne	23se	23ne	22se	22ne	21se	21ne	20se
0,y,0	5,y,0	10,y,0	15,y,0	20,y,0	25,y,0	30,y,0	35,y,0	40,y,0	45,y,0

## Cesium-137 Concentrations (pCi/g) in Abandoned Filter Bed Area

filename: conc4mat.xls

				Depth, y = 0 to 1 meters	(S m D & E P)
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				C o o R D I , n A - T E	
111nw	48sw	48nw	47sw	47nw	46sw
0,y,35	5,y,35	10,y,35	15,y,35	20,y,35	25,y,35
111ne	48se	47se	47ne	46se	45se
0,y,30	5,y,30	10,y,30	15,y,30	20,y,30	25,y,30
110nw	39sw	39nw	38nw	37sw	36sw
0,y,25	5,y,25	10,y,25	15,y,25	20,y,25	25,y,25
110ne	39se	39ne	38ne	37se	36se
0,y,20	5,y,20	10,y,20	15,y,20	20,y,20	25,y,20
109nw	30sw	30nw	29sw	29nw	28sw
0,y,15	5,y,15	10,y,15	15,y,15	20,y,15	25,y,15
109ne	30se	30ne	29se	29ne	28se
0,y,10	5,y,10	10,y,10	15,y,10	20,y,10	25,y,10
108nw	24sw	24nw	23sw	23nw	22sw
0,y,5	5,y,5	10,y,5	15,y,5	20,y,5	25,y,5
108ne	24se	24ne	23se	23ne	22se
0,y,0	5,y,0	10,y,0	15,y,0	20,y,0	25,y,0

1.79  
2.02  
12.8

7.78



Cesium-137 Concentrations (pCi/g) In Sand Filled Structure Within Abandoned Filter Bed Area  
filename: conc4ma2.xls

Coordinates					
Depth, y =	3	to	4	meters	(1.5 - 2.5 m DEEP)
27	26		25		
0.692	0.280		2.94		
33.0, y, 33.7	35.6, y, 33.9		38.7, y, 34.2		
4	5		12		
				13	20
33.1, y, 32.5	35.8, y, 32.9		38.7, y, 33.1		
				42.1, y, 33.3	45.2, y, 33.6
	0.768		1.29		
					48.2, y, 33.8
Coordinates					
Depth, y =	2	to	3	meters	(2.5 - 3.5 m DEEP)
27	26		25		
7.59	4.73		5.01		
33.0, y, 33.7	35.6, y, 33.9		38.7, y, 34.2		
4	5		12		
				13	20
33.1, y, 32.5	35.8, y, 32.9		38.7, y, 33.1		
				42.1, y, 33.3	45.2, y, 33.6
	18.6		21.9		
					48.2, y, 33.8
Coordinates					
Depth, y =	1	to	2	meters	(3.5 - 4.5 m DEEP)
27	26		25		
33.0, y, 33.7	35.6, y, 33.9		38.7, y, 34.2		
4	5		12		
				13	20
33.1, y, 32.5	35.8, y, 32.9		38.7, y, 33.1		
	0.414		3.11		
					48.2, y, 33.8

μCi/m<sup>3</sup>  
0-1

1-2

2-3

(9)