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# ENVIRONMENTAL RESTORATION PROGRAM

Surface Debris Inventory at White Wing Scrap Yard, Oak Ridge Reservation, Oak Ridge, Tennessee

> R. E. Rodriguez P. F. Tiner J. K. Williams

> > ENERGY SYSTEMS



MANAGED BY MARTIN MARIETTA FNERGY SYSTEMS, INC. FOR THE UNITED STATES DEPARTMENT OF ENERGY UCN-17560 (6 7-91)

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#### Environmental Restoration Division ORNL Environmental Restoration Program

#### Surface Debris Inventory at White Wing Scrap Yard, Oak Ridge Reservation, Oak Ridge, Tennessee

R. E. Rodriguez P. F. Tiner J. K. Williams

Date Issued—August 1992

Prepared by Health and Safety Research Division Oak Ridge National Laboratory

Prepared for U.S. Department of Energy Office of Environmental Restoration and Waste Management under budget and reporting code EW 20

OAK RIDGE NATIONAL LABORATORY Oak Ridge, Tennessee 37831-6285 managed by MARTIN MARIETTA ENERGY SYSTEMS, INC. for the U.S. DEPARTMENT OF ENERGY under contract DE-AC05-84OR21400

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#### **Author Affiliations**

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#### ACKNOWLEDGMENTS

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#### **EXECUTIVE SUMMARY**

An inventory of surface debris in designated grid blocks at the White Wing Scrap Yard [Waste Area Grouping 11 (WAG 11)] was conducted intermittently from February through June 1992 by members of the Measurement Applications and Development Group, Health and Safety Research Division, Oak Ridge National Laboratory (ORNL) at the request of ORNL Environmental Restoration (ER) Program personnel. The White Wing Scrap Yard is an estimated 30-acre, predominantly wooded area located on the western edge of East Fork Ridge in the McNew Hollow area on the U.S. Department of Energy's Oak Ridge Reservation. The scrap yard was formerly used for aboveground storage of contaminated material (e.g., steel tanks, metal, glass, concrete, and miscellaneous industrial trash) from the Oak Ridge K-25 Site, Oak Ridge Y-12 Plant, and ORNL. Currently, most of the area is overgrown with weeds, trees, and other types of vegetation.

The objectives of this project are outlined in the following four phases: (1) estimate the amount (volume) and type (e.g., glass, metal, and plastics) of surface waste material in 30 designated grid blocks (100- by 100-ft grids); (2) conduct limited air sampling for organic chemical pollutants at selected locations (e.g., near drums, in holes, or other potentially contaminated areas); (3) conduct a walkover gamma radiation scan extending outward (approximately 50 ft) beyond the proposed location of the WAG 11 perimeter fence; and (4) recommend one grid block as a waste staging area. This recommendation is based on location and accessibility for debris staging/transport activities and on low levels of gamma radiation in the grid block.

The results of the survey objectives follow.

- The estimated total volume of surface debris in 30 designated grid blocks is 3100 ft<sup>3</sup>. Most of the material consists of small pieces of metal, plastic, glass, dilapidated respirator cartridges, shoe soles, etc. Small, localized areas of debris were found throughout most of the designated grid blocks.
- No volatile organic chemicals, gases, or vapors were detected with the HNU photoionization detector at selected locations.
- In general, gamma exposure rate measurements indicated no levels above typical background values except in a surface drainage ditch at the west end of the site. Surface gamma exposure rate levels generally ranged from 8 to 11  $\mu$ R/h. At the drainage ditch, surface gamma levels of up to 29  $\mu$ R/h were found. Survey results are in agreement with values reported in ORNL/ER-52. It should be noted that some areas along the WAG 11 perimeter were inaccessible for survey activities due to dense vegetation. In addition, no subsurface investigation was conducted; therefore, subsurface contamination, if present, cannot be verified until samples are collected and analysis performed.

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• On the basis of location for accessible transport of debris and low levels of gamma exposure rates, grid block 62 is recommended as the waste/debris staging area. In this grid block, gamma exposure rate measurements taken 1 m above the ground surface averaged 10  $\mu$ R/h.

The results of this survey will be considered in the appraisal of surface debris cleanup strategies for the Wag 11 Interim Record of Decision.

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#### **1. INTRODUCTION**

An inventory of surface debris in designated grid blocks at the White Wing Scrap Yard [Waste Area Grouping 11 (WAG 11)] was conducted intermittently from February through June 1992 by members of the Measurement Applications and Development Group, Health and Safety Research Division, Oak Ridge National Laboratory (ORNL) at the request of ORNL Environmental Restoration (ER) Program personnel. The results of this survey will be considered in the appraisal of surface debris cleanup strategies for the WAG 11 Interim Record of Decision (IROD). Figure 1 shows the location of WAG 11 in relation to the other 19 WAGs.

The White Wing Scrap Yard is an estimated 30-acre, predominately wooded area located on the western edge of East Fork Ridge in the McNew Hollow area on the U.S. Department of Energy's Oak Ridge Reservation. The scrap yard was formerly used for aboveground storage of contaminated material (e.g., steel tanks, metal, glass, concrete, and miscellaneous industrial trash) from the Oak Ridge K-25 Site, Oak Ridge Y-12 Plant, and ORNL. Currently, most of the area is overgrown with weeds, trees, and other types of vegetation. Photographs of the site are shown in Figs. 2 and 3.

The objectives of this project are outlined in the following four phases:

Phase I:	Estimate the amount (volume) and type (e.g., glass, metal, and plastics) of surface waste material in 30 designated grid blocks (100- by 100-ft grids).
Phase II:	Conduct limited air sampling for organic chemical pollutants at selected locations (e.g., near drums, in holes, or other potentially contaminated areas).
Phase III:	Conduct a walkover gamma radiation scan extending outward (approximately 50 ft) beyond the proposed location of the WAG 11 perimeter fence.
Phase IV:	Recommend one grid block as a waste staging area. This recommendation is based on location and accessibility for debris staging/transport activities and on low levels of gamma radiation in the grid block.

As noted in our work proposal of February 10, 1992, no invasive sampling measurements were made and no environmental samples (e.g., soil and water) were taken. Additionally, no assessment was made in characterizing hazardous constituents associated with debris materials (i.e., radioactively contaminated waste only and mixed waste). It should be noted that the 30 grid blocks surveyed for this task were randomly selected by the Radian Corporation, Oak Ridge, Tennessee, and approved by ORNL Environmental Restoration personnel. Figure 4 provides a site diagram in which surveyed blocks are identified by shading.

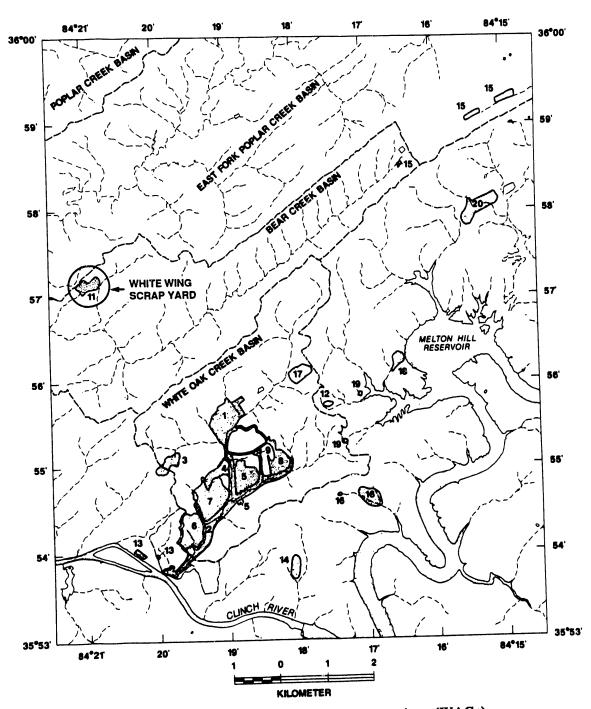


Fig. 1. Locations of the 20 waste area groupings (WAGs).

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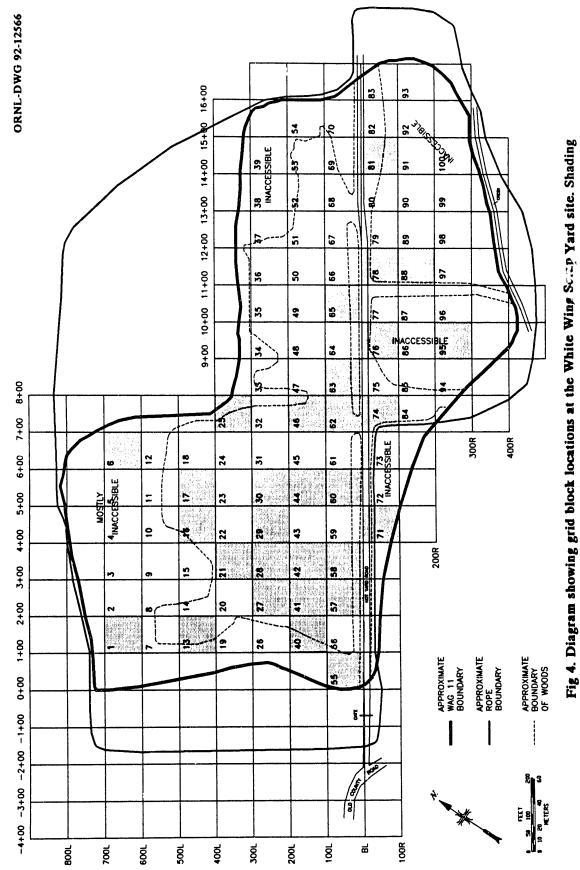
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Fig. 2. View of surface debris, including dilapidated respirator cartridges, at the White Wing Scrap Yard site (January 1990).



Fig. 3. View of surface debris found north of Hot Yard Road at the White Wing Scrap Yard site (January 1990).



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designates specific grid blocks surveyed.

#### 2. PHASE I

Phase I consisted of a walkover visual inventory of debris material. However, this phase first required the reestablishment of the site grid. Details of the grid system are outlined in ORNL/ER-52, Surface Radiological Investigations at White Wing Scrap Yard, Oak Ridge Reservation, Oak Ridge, Tennessee. Surface debris data for 30 grid blocks were recorded on survey forms (see Appendix). These forms outline the type of debris material, the estimated volume of each type of debris, and total volume (cubic feet) per grid block. Each data sheet represents one grid block. In grid blocks that had high volumes of debris, several data sheets were required.

Dimensions of surface debris were estimated by visual observations in the field. The following formulas were used in calculating the volume of debris.

Sphere:  $V = 4/3 \pi r^3$ Cylinder:  $V = \pi r^2 h$ Rectangular solid or container:  $V = \text{length} \times \text{width} \times \text{height}$  (depth or thickness)

**Results:** The estimated total volume of surface debris in 30 designated grid blocks is 3100 ft<sup>3</sup>. Most of the material consists of small pieces of metal, plastic, glass, dilapidated respirator cartridges, shoe soles, etc. Small, localized areas of debris were found throughout most of the designated grid blocks. It must be emphasized that dense overgrowth limited access in most grid blocks, and, in some regions, visual contact with the ground surface was totally obstructed by understory vegetation such as shrubs, weeds, and vines.

Note that some grid blocks not included in this survey contain large amounts of debris. For example, in grid block 61 (6+44, 20L), a large, oblong concrete structure is positioned immediately north of and adjacent to Hot Yard Road (see Fig. 5). Based on visual observations of this structure, we estimate its total volume to be approximately 500 ft<sup>3</sup>. This amount of material would increase our total debris volume of 3100 ft<sup>3</sup> by 16%. Conversely, if grid block 60 (containing ~1700 ft<sup>3</sup> of debris) were excluded from this survey, the total debris volume would decrease by 55%.

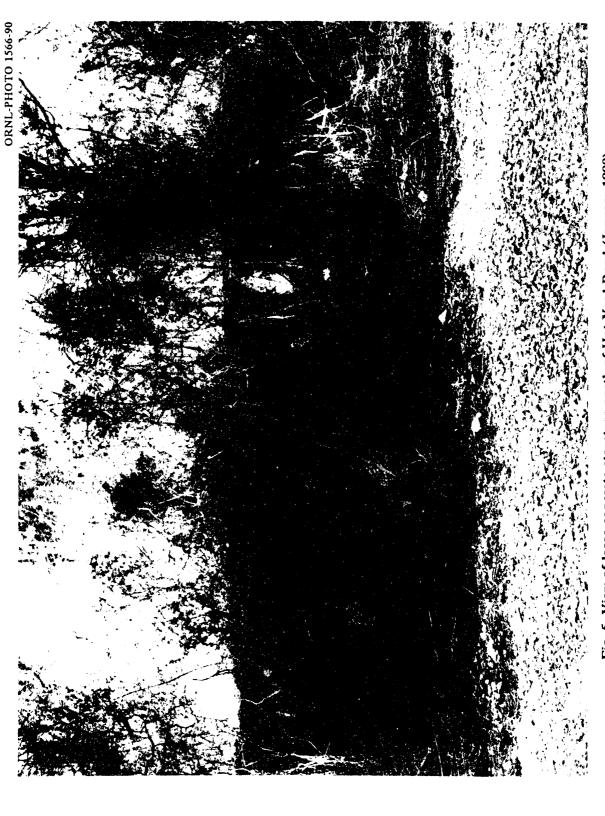


Fig. 5. View of large concrete structure north of Hot Yard Road (January 1990).

#### 3. PHASE II

Phase II consisted of limited air sampling for organic vapors at locations suspected to be potential organic chemical sources.

Results: No volatile organic chemicals, gases, or vapors were detected with the HNU photoionization detector (the HNU has an operating range of 0 to 2000 ppm and detects a minimum concentration of 0.2 ppm). Measurements were taken at four iocations: (1) grid block 61 (6+14, 100L)—a small (approximately 1-m<sup>2</sup>) area of surface subsidence (approximately 5 ft in depth) that revealed portions of several buried 55-gal metal drums (no detectable "down hole" organic vapors were measured with the HNU); (2) grid block 17 (5+00, 430L)—an area barren of vegetation; (3) grid block 1 (1+00, 700L)—an area barren of vegetation; and (4) grid block 11+00, 400R—in and around several 55-gal metal drums along the creek bank.

#### 4. PHASE III

Phase III consisted of a walkover gamma scan extending approximately 50 ft outward from the WAG 11 perimeter.

**Results:** In general, gamma exposure rate measurements indicated no levels above typical background values except in a surface drainage ditch at the west end of the site. Surface gamma exposure rate levels generally ranged from 8 to 11  $\mu$ R/h. At the drainage ditch, surface gamma levels of up to 29  $\mu$ R/h were found. Survey results are in agreement with values reported in ORNL/ER-52. It should be noted that some areas along the WAG 11 perimeter were inaccessible for survey activities due to dense vegetation. In addition, no subsurface investigation was conducted; therefore, subsurface contamination, if present, cannot be verified until samples are collected and analysis performed.

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### 5. PHASE IV

Phase IV consisted of recommending one grid block as a waste/debris staging area.

**Results:** On the basis of location for accessible transport of debris and levels of gamma exposure rates, we recommend grid block 62 as the waste/debris staging area. In this grid block, gamma exposure rate measurements taken at 1 m above the ground surface averaged 10  $\mu$ R/h. For comparison purposes, 1-m gamma exposure rate measurements taken at 56 grid point locations throughout the White Wing Scrap Yard site averaged 17  $\mu$ R/h (see Table 4.2 in ORNL/ER-52).

## 6. CONCLUSION

The estimated volume of surface debris should be considered an approximation at best. Because of dense vegetation in most of the grid blocks surveyed, a significant amount of debris is not visible and, therefore, was not recorded. Additionally, before any segregation of debris during cleanup activities, each item should be carefully monitored for radioactivity. We hope this information will be useful in implementing the WAG 11 IROD and eventual site cleanup efforts.

#### 7. REFERENCE

Williams, J. K., et al. 1991. Surface Radiological Investigations at White Wing Scrap Yard, Oak Ridge Reservation, Oak Ridge, Tennessee, ORNL/ER-52, Martin Marietta Energy Systems, Inc., Oak Ridge Natl. Lab., Oak Ridge, Tennessee.

Appendix

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# WHITE WING SCRAP YARD (WWSY) SURFACE DEBRIS SURVEY FORMS

WHICV Current Datris Current			V D Dottonia		Coid Block ID: 4	Ļ	
	<b>Date:</b> 0/12/32	oureyos. n. v. gossiee, v. r. raialia	V. L. Talallic				
Item / Material			Lengtif	Width®	Height	% Solid <sup>®</sup>	Volume (ti <sup>2</sup> ) <sup>6</sup>
							•
Small Scattered Debris in Localized Area Type of Material	lized Area al	Percent <sup>b</sup>	Area Length <sup>®</sup>	Area Wicth <sup>*</sup>	Average Thickness <sup>a</sup>	% Area Covered <sup>®</sup>	Volume (It <sup>2</sup> ) <sup>b</sup>
pooM		40	80% of total area of	area of			
Metal		40	block. Large	9	-	20	333
Glass		10	defoliated area.	rea.			
Rubber/tefton		10					
						Total Grid	Block
						Volume (ft) <sup>b</sup>	_ م
Asbestos (suspected)	Comments: Block mostly c	mostly clear of undergrowth, large defoliated region sprinkled with debris found in block.	aefoliated reg	ion sprinkled	with debris fo	ound in bloc	
UCN-18856 (3.9-82) CON-18856 (3.9-82) Approximate measurement in feet unless indicated otherwise. Values for these entries are estimated.	t in feet unless indicated otherwise e estimated.	Not determined.	nined. able:			Page 1	- 5

White Wing Scrap Yard (WWSY) Surface Debris Survey Form

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www.sourace Deors Survey	Date: 5/19/92	Surveyors: <u>M. E. Murray, V. P. Patania</u>	а <u>v, V. P.</u> F	atania	Grid Block ID: 6		
ttern / Material			Length	Width	Height	<b>%</b> Solid <sup>6</sup>	Votume (m) <sup>b</sup>
Iron pipe, obscured by layers of pine needles	leedles		ω	1.5° diam	q	pipe	0.016
Iron pipe			2	2" diam	ס	pipe	0.022
Closed ended iron cylinder			-	Ň	1/16" wall thick	<b>1</b> 0	0.001
Gasketing material (irregular crumpled shape)	shape)		J	U	J	U	U
Small Scattered Debris in Localized Area Type of Material	R	Percent	Area Length <sup>≜</sup>	Area Width <sup>®</sup>	Average Thickness <sup>a</sup>	% Area Covered <sup>®</sup>	Volume (الت <sup>2</sup> ) <sup>6</sup>
				<u></u> ,,			
							<u></u>
						Total Grid B	Š
						Volume (ft <sup>3</sup> ) <sup>b</sup>	
						See	See page 3
Asbestos (suspected)	Comments:	Comments: See page 3 of 3.					
UCN-18858 (3.6.82) Approximate measurement in feet unless indicated otherwise. Values for these entries are estimated.	tess indicated of		Not determined. Not applicable.	bke. Deter det		Page 1	o o
						1	'I

White Wing Scrap Yard (WWSY) Surface Debris Survey Form

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WWSY Surface Debris Survey	Date: 5/19/92	Surveyors: <u>M. E. Murray, V. P. Patania</u>	urray, V. P.	Patania	Grid Block ID: 6		
ttem / Material			Length	Width	Height	% Solid <sup>b</sup>	Volume (m <sup>2</sup> ) <sup>6</sup>
Rusted sheet metal; pine needle cover will not allow diam estimate	cover will not allow c	Jiam estimate	IJ	C	J	IJ	с
Iron pipe-length indeterminate due to pine needle cover	e to pine needle co	ver	р	0.5" diam	1/16" wall thick	pipe	U
Solid threaded metal cylinder			3"	6" diam	q	solid cylinder	0.049
Metal gauge			J	2" diam	q	U	U
Metal pipe "U" shaped with supporting plate	rting plate		3	2" diam	q	pipe	0.033
Metal pipe			12	0.5° diam	q	pipe	0.008
Small Scattered Debris in Localized Area Type of Material	d Area	Percent <sup>b</sup>	Area Length*	Area Width <sup>a</sup>	Average Thickness <sup>a</sup>	🗙 Area Covere 🕈	Volume (۳) <sup>6</sup>
						Total Grid Block	
						Volume (IT) <sup>5</sup> Se	See nade 3
						)	
Asbestos (suspected)	Comments: See D	page 3					
UCN-1886 (3 6 42) <sup>a</sup> Approximate measurement in feet unless indicated otherwise. <sup>b</sup> Values for these entries are estimated.	feet unless indicated of timated.	herwise.	Not determined	rmined. iicable.		Page 2	of 3

8 0.174 0.004 0.164 Volume (ش) Volume (٣) 33.6 Total Grid Block Volume (It<sup>\*</sup>)<sup>b</sup> ပ ပ % Area Covered<sup>5</sup> a Dilos 🕺 5 pipe pipe C 20 2 Grid Block ID: 6 Average Thickness<sup>a</sup> Height -1.5 σ C C Comments: May be far more material in block, obscured by thick undergrowth. Area Width<sup>®</sup> White Wing Scrap Yard (WWSY) Surface Debris Survey Form 1 diam Width Q Surveyors: M. E. Murray, V. P. Patania 4 ง ပ σ Not determined. 4" diam Area Length<sup>a</sup> Length œ 9 ່ທ ผ υ Percent<sup>b</sup> R R R UCH-18868 [3 6-82] Approximate measurement in feet unless indicated otherwise. Date: 5/19/92 Metal pipe (10 ft length visible in mound)\* Small Scattered Debris in Localized Area Respirator filter/some broken plate glass Graphite chunk (roughly rectangular) Type of Material 1 WWSY Surface Debris Asbestos (suspected) \*Ceramic porcelain Coupling material (varied mound) ttem / Material Duct tape roll Survey \*Metal \*Glass

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<sup>b</sup> Values for these entries are estimated.

<sup>4</sup>Not applicable.

	ADIC MILE MILE AC	MINT Sound and a sound and a sound a sound and a sound a s					
WWSY Surface Debris Survey	Date: 5/19/92	Surveyors: M. E. Murray, V. P. Patania	a <u>v. V. P. Pa</u>	ania	Grid Block ID: 13		
ttem / Material			Length	WORL	Height	* Solid <sup>b</sup>	Volume (m <sup>2</sup> ) <sup>b</sup>
Plate of sheet metal (rectangular)	ar)		2	2	0.25" thick	100	0.083
Metal pipe			9	1 diam	q	pipe	0.008
Metal pipe			8	2° diam	q	pipe	0.022
Small metal debris-total values given	t given		1.5	~	2.	100	0.042
Large metal plate (dimensions unknown, partially	unknown, partially buried)						
Large field of debris-see below							
Small Scattered Debris in Localized Area Type of Material	ized Area N	Percent	Area Length <sup>e</sup>	Area Wichtr <sup>®</sup>	Average Thickness <sup>®</sup>	% Area Covered®	Volume (m) <sup>b</sup>
Wood Metal Brick Porcelain		60 30 5	20	4J	÷	80	100
						Total Grid Block Volume (ft <sup>*</sup> ) <sup>5</sup>	Block ) <sup>b</sup> 100
Asbestos (suspected)	Comments: May be far more material in block, too heavily overgrown to tell	ore material in block, too	o heavily ov	ergrown to	eil.		
UCH-18626 (3 6-82) • Approximate measurement in feet unless indicated otherwise.	in feet unless indicated otherwis		Not determined.				4

White Wing Scrap Yard (WWSY) Surface Debris Survey Form

Page 1 of 1

 Approximate incassication at two more • Values for these entries are estimated.

\*Not applicable.

White Wine Scran Yard (WWSY) Surface Debris Survey Form

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WWSY Surface Debris	Date: 5/12/92	Surveyors: V. P. Patania, R. E. Rodriguez	ia, R. E. Rodrigue		Crid Block ID: 16		
Survey							
ttem / Material			Length	Width®	Height	%Solid <sup>b</sup>	Votume (m <sup>3</sup> )
Full face mask with respirator cartridges	tridges		10°	6"	3"	100	0.12
Apparent asbestos cloth			1.5 diam	ပ	q	100	0.009
Various graphite chunks of various sizes	sizes		4	8	2" thick	100	0.445
Stainless steel piping (partially buried)	uried)		4	2.5° diam	þ	pipe	0.055
Steel pipe (partially burried)			4	3.0° diam	d	pipe	0.066
5-gal metal bucket (partially corroded, semi-crushed)	oded, semi-crushe	(þi	11° diam	q	4"	100	0.25
Concrete chunk (partially buried)			18"	8	4"	100	0.33
Small Scattered Debris in Localized Area Type of Material	ed Area	Percent <sup>b</sup>	Area Length*	Area Width <sup>®</sup>	Average Thickness <sup>a</sup>	% Area Covered <sup>®</sup>	Volume (II <sup>2</sup> ) <sup>6</sup>
Graphite Asbestos Metal Teflon rinos		30 20 40	ß	ى	δı	85	3.54
						Total Grid Block Volume (ft <sup>*)</sup> See Pa	d Block ht) See Page 2
Asbestos (suspected) <u>ves</u>	Comments:						
UCN-1886 (3 8-82) Approximate measurement in feet unless indicated otherwise. Values for these entries are estimated.	n feet unless indicated stimated.	1 otherwise.	Not determined. Not applicable.			Page 1	d 2

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	White	White Wing Scrap Yard (WWSY) Surface Debris Survey Form	VSY) Surface Debri	s Survey Form			
WWSY Surface Debris Survey	<b>Date:</b> 5/12/92	Surveyors: <u>V. P. Patania, R. E. Rodriguez</u>	ila, R. E. Rodriguez		Grid Block !D: <u>16</u>	): <u>16</u>	
ttern / Material			Length	WIGHT	Height	%Solid®	Volume رشا <sup>6</sup>
Steel cap			1.25 diam	ס	8	5	0.003
Concrete chunk		¢	Q.	6"	6'	100	0.125
Concrete chunk			80	4"	4"	100	0.074
Steel pipe-3 pieces (total)			7	1 diam	d	pipe	0.010
Concrete chunk			80	6	4"	100	0.111
Copper tube			4	1 diam	q	pipe	0.055
Small Scattered Debris in Localized Area Type of Material	lized Area al	Percent <sup>b</sup>	Area Length <sup>®</sup>	Area Wichti <sup>®</sup>	Average Thickness <sup>a</sup>	% Area Covered <sup>®</sup>	Volume (m <sup>3</sup> ) <sup>b</sup>
						Total Grid Block	Block
						Volume (It	 
							9.IC
Asbestos (suspected)	Comments:						
UCN-18868 p.882 Approximate measurement in feet unless indicated otherwise. Values for these entries are estimated.	t in feet unless indic e estimated.	sted otherwise.	<sup>e</sup> Not determined. <sup>4</sup> Not applicable.	¥.,		Page 2	d d

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	AILIC WILLS	merine (ICM M) ner dene Sma					
WWSY Surface Debris Survey	<b>Date:</b> 5/12/92	Surveyors: V. P. Patania, R. E. Rodriguez	iia, R. E. Rodr	iguez	Grid Block ID: <u>17</u>	: 17	
ftem / Material			Length	Width	Height	*Solid	Volume (tr <sup>2</sup> ) <sup>b</sup>
Pressboard material			e	+	1.4" thick	100	0.062
Lucite chunk (apparent)			ŝ	••	0.5" thick	100	1.0
Teflon ring (annular)			-	1.5"	1/8" thick	100	0.001
Rubber tubing			4"	2.5" flattened	1/3° thick	100	0.002
Flattened metal respirator cartridge			5° diam	q	1/8" thick	80	0.001
Rubber tubing			4	2.5" flattened	1/3" thick	100	0.002
Haff of toilet lid			1.25	4"	1.25" thick	70	0.030
Small Scattered Debris in Localized Area Type of Material	8	Percent	Area Lengtir	Area Width <sup>®</sup>	Average Thickness <sup>a</sup>	% Area Coverad <sup>®</sup>	Volume (ît <sup>3</sup> ) <sup>6</sup>
			<b>.</b>				
						Total Grid Block Volume (11-3)	Block
						Se	See page 2
Achective (circinardad)	Comments: Mo	Comments: Mostly free of clutter					
UCH-18666 (3 6-22) Approximate measurement in fect unless indicated otherwise.	indexs indicated other		Not determined.			Pace 1	S Of

White Wing Scrap Yard (WWSY) Surface Debris Survey Form

| 8 Page 1

"Not applicable.

<sup>b</sup> Values for these entries are estimated.

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	White Wing S	White Wing Scrap Yard (WWSY) Surface Debris Survey Form	face Debris Surv	sy Form			
WWSY Surface Debris Survey	Date: 5/12/92	Surveyors: V. P. Patania, R. E. Rodriguez	ia, R. E. Rodrigu	lez	Grid Block ID: <u>17</u>	17	
ttem / Material			Length	Width	Height	%Solid®	Volume (m) <sup>b</sup>
Steel plate (partially buried)			1 visual	4° visual	1/8" thick	100	0.003
Pressure gauge (metal and plastic)			4" diam	đ	1 3/4" thick	50	0.006
Small Scattered Debris in Localized Area Type of Material	œ	Percent <sup>b</sup>	Area Length*	Area Width <sup>a</sup>	Average Thickness <sup>a</sup>	% Area Covered <sup>®</sup>	Volume (m) <sup>b</sup>
						Total Grid	Block
						Volume (ft <sup>*</sup> ) <sup>5</sup>	<u>م</u>
							-
Asbestos (suspected)	Comments: Mc	Comments: Mostly free of clutter.					
UCN-18858 (3 6-62) Approximate measurement in feet unless indicated otherwise. Values for these entries are estimated.	nices indicated other d.		Not determined. Not applicable.			Page 2	0 0

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White Wing Scrap Yard (WWSY) Surface Debris Form

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WWSY Surface Debris	Date: 6/2/92	Surveyors: R. C. Gosslee, V D. E. Rice	Gosslee, V. P. Patania Rice		Grid Block ID: 21	0:21	
famo	tem / Material		Length	Width	Height	% Solid <sup>5</sup>	Votume (m <sup>3</sup> ) <sup>b</sup>
Respirator cartridge			3" diam	2" thick	σ	100	0.008
Metal fitting			U	S	J	υ	υ
Sharp edged stainless steel sheet metal (partially	el sheet metal (partially buried)		6"	10"	1/4"	80	0.007
Teflon O-ring (partially buried)			3"	4"	1/4"	80	0.001
Twisted piece of sheet metal	lal		2.5	2.5	1/16" thick	100	0.003
Long piece of metal (partially buried)	illy buried)		8	0.25"	0.25	100	0.003
Small Scattered Debris in Localized Area Type of Material	Localized Area aterial	Percent <sup>b</sup>	Area Length*	Area Width <sup>®</sup>	Average Thickness <sup>®</sup>	% Area Covered <sup>®</sup>	Volume (m <sup>3</sup> ) <sup>b</sup>
Teflon Rubber Plastic		80 5 15	O,	12	÷	10	0.0
						Total Grid Block Volume (ft <sup>3</sup> ) <sup>b</sup> See page	id Block (ft*) <sup>b</sup> See page 3
Asbestos (suspected)	Comments: A great deal of ground cover.	Comments: A great deal of small scattered debris throughout block, unable to identify or guantify due to ground cover.	ghout block.	unable to ide	ntify or quantil	ly due to	
UCN-18866 [3 6-62] • Approximate measurement in feet unk • Values for these entries are estimated.	I B		Not determined. <sup>4</sup> Not applicable.			Page 1	0 0

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WWSY Surface Debris Survey	<b>Date:</b> 6/2/92	Surveyors: R. C. Gosslee, V D. E. Rice	Gosslee, V. P. Patania Rice		Gind Block IU: 21	12:0	
ttem / Material			Length	Width	Height	🛪 Solid	Volume (IT) <sup>b</sup>
Threaded iron rod			8	0.75"	0.75° thick	100	0.031
Angle Iron			4	2.5	0.25"	100	0.017
Metal Trough			4.5	2.0	2.5"	100	0.156
Respirator Cartridge			3° diam	þ	2" thick	100	0.008
Metal (same as item six page 1 of 3)	ge 1 of 3)		8	0.25	0.25	100	0.003
Rubber sheet (partially buried)	ied)		1	4	1/16"	100	0.021
Rubber pad			6" diam	0.25 thick	p	100	0.004
Small Scattered Debris in Localized Area Type of Material	ocalized Area terial	Percent <sup>b</sup>	Area Length*	Area Width <sup>®</sup>	Average Thickness <sup>®</sup>	% Area Coverad	Volume (tr <sup>3</sup> ) <sup>b</sup>
						<u></u>	
				_			
						Total Grid Block	Block
						Volume (ft <sup>*</sup> ) <sup>5</sup>	)*****
					1	00	see page 3
Asbestos (suspected)	Comments:						
UCN-18856 (3 6 42) UCN-18856 (3 6 42) Approximate measurement in feet univ Values for these entries are estimated.	UCN-18856 (3 6-82) UCN-18856 (3 6-82) Approximate measurement in feet unless indicated otherwise. Values for these entries are estimated.	wise. Not determined.	ermined. Micable.			Page 2	9 0

	White Wing ?	Wing Scrap Yard (WWSY) Surface Debris Survey Form	Debris Surve	y Form			
WWSY Surface Debris Survey	Date: 6/2/92	Surveyors: R. C. Gosslee, V. P. Patania D. E. Rice	V. P. Pataniá	<u> </u>	Grid Block ID: <u>21</u>	1	
ttem / Material			Length	JAPIM	Неідні	🛪 Solid <sup>e</sup>	Volume (m <sup>*</sup> ) <sup>b</sup>
Hydraulic Hose (partially buried)	uried)		8	2" diam	q	hose	0.087
Rubber tubing (partially buried)	ried)		3"	<b>8</b>	0.25" thick	tubing	0.011
Rubber tubing (partially buried)	ried)		1.5	q	0.75° diam	tubing	0.02
Rubber glove			υ	J	J	100	0.01
Metal banding			1.5	0.75	0.75	100	0.006
Iron I-beam (partially buried	Iron I-beam (partially buried); (extends into adjacent block)	ck)	8	0.25	3/16"	100	0.003
Small Scattered Debris in Locafized Area Type of Material	ocalized Area Iterial	Percent <sup>b</sup>	Area Length <sup>*</sup>	Area Width <sup>®</sup>	Average Thickness <sup>®</sup>	% Area Covered <sup>®</sup>	Volume (m) <sup>b</sup>
Rubber tubing Rubber gaskets		50 50	e	ß		20	0.15
						Total Grid Błock Volume (it <sup>3)</sup>	30ck ) <sup>b</sup> 1.4
Asbestos (suspected)	Comments:						
UCN-18856 (3 6-82) Approximate measurement in feet unit Values for these entries are estimated.	UCN-18856 (3.642) Approximate measurement in feet unless indicated otherwise. Values for these entries are estimated.		Not determined.			Page 3	0

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WWSY Surface Debris Survey	Date: 5/14/92	Surveyors: V. P. Patania, P. F. Tiner	ila, P. F. Tiner		Grid Block ID: 25	25	
ttern / Material			Length	Width®	Height	a b#o≳ %	Volume (tr²) <sup>b</sup>
Cylindrical plastic lids (3)*			6-12" diam	0.25 thick	p	100	0.03
Flat, cylindrical, metal object, annular	, annular		12" diam	1/16" thick	d	95	0.56
Metal gas cylinder top, cylindrical, 1 end closed	drical, 1 end closed		0.5	3" diam	q	40	0.002
Large rectangular concrete plate (partially buried)	plate (partially buried)		2	v	1.	100	U
Partially buried rubber hose of undetermined length	of undetermined length		2" diam	q	0.5° wall thick	50	0.055
Rectangular piece of flat sheet metal	set metal		<b>N</b>	13"	1/16" thick	U	0.011
Small Scattered Debris in Localized Area Type of Material	calized Area erial	Percent	Area Length*	Area Width <sup>4</sup>	Average Thickness <sup>®</sup>	% Area Covered <sup>®</sup>	Volume (ft <sup>3</sup> ) <sup>b</sup>
Subsurface metal debris partially uncovered: unal determine extent or dimensions	tially uncovered: unable to ensions						
						Total Grid Block Volume (ft*) See pag	d Block (ft*) See page 2
Asbestos (suspected)	Comments: Area heavily overgrown obscuring flat or partially subsurface objects. *Metal gas cylinder top may be part of a large amount of buried or obscured metal debris.	eavily overgrown obscuring flat or partially subsurfac a large amount of buried or obscured metal debris.	t or partially sut bscured metal (	surface objec Jebris.	ts. *Metal gas cy	vlinder top n	lay be
UCN-18866 (3 6-82) Approximate measurement in feet unless indicated otherwise.	cent in feet unless indicated other	wise.	Not determined.			t and	c z

White Wing Scrap Yard (WWSY) Surface Debris Survey Form

of 2 Page 1

<sup>a</sup> Approximate measurement in feet unless <sup>b</sup> Values for these entries are estimated.

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Not applicable.

White Wing Scrap Yard (WWSY) Surface Debris Survey Form

WWSY Surface Debris Survey	Date: 5/14/92	Surveyors: <u>V. P. Patania, P. F. Tiner</u>	ia, P. F. Tiner		Grid Block ID: 25		
ttem / Material			Lengtif	Width	Height	%Solid <sup>®</sup>	Volume (It <sup>2</sup> ) <sup>6</sup>
*2 lengths of metal piping (flattened)			10	1.5	1/16" wall thick	IJ	0.078
*Concrete cylinder piece partially subsurface	surface		2 diam	J	8	<del>1</del> 0	2.095
Stainless steel bars protruding from ground with probable	round with proba	ble asbestos					
cloth wrapping			U	0.25	1/16" wall thick	100	υ
Partially buried radiator (vehicle)			2	3"	c	95	υ
Small Scattered Debris in Localized Area Type of Material	Lea	Percent <sup>b</sup>	Area Lengtif	Area Width <sup>a</sup>	Average Thickness <sup>®</sup>	% Area Covered <sup>®</sup>	Volume (fit) <sup>b</sup>
Mound inventory Ceramic pieces Metal debris Glass		Unable to determine partioning. Mound is composed of mostly	12	ţ	2	<del>1</del> 00	288
						Total Grid Block Volume (ft <sup>*</sup> ) <sup>b</sup>	bock 291
Asbestos (suspected) <u>yes</u>	Comments: *Part and I		ical mound of m	at'l; determinatio	of a large hemispherical mound of mat'l; determinations are guesses at best due to soil neavy vegetation.	est due to so	
UCN-18856 (3.9-82) Approximate measurement in feet unless indicated otherwise. Values for these entries are estimated.	unless indicated oth ted.		<sup>e</sup> Not determined. <sup>4</sup> Not applicable.		Page 2	<u> 2 0 2</u>	1

		Allin wing the survey of the s					
WWSY Surface Debris	Date: 6/2/92	Surveyors: <u>V. P. Patania, D. E. Rice</u>	D. E. Rice		<b>Grid Block IU:</b> <u>27</u>		
Survey			Length	Width®	Height	🖌 Solid <sup>b</sup>	Volume (m) <sup>b</sup>
			-	0.75° diam	q	Pipe	0.001
Iron pipe (partially buried)			. u	4	4.	100	0.667
Wooden post (partially buried)	9		2	15	1.5"	80	0.031
Iron conduit holder				0.5 diam	U	υ	U
Metal ring (mostly buried)			<b>7</b>	4	4.	100	0.037
Brick			5	2ª diam	τ	<del>1</del> 00	0.008
Respirator cartridge				2 diam	1/4"	<u>6</u>	0.003
Rubber/teflon gasket material (partially buried)	al (partially buried)		n	F			Volume
Small Scattered Debris in Localized Area Type of Material	ccalized Area erial	Percent <sup>b</sup>	Area Length <sup>®</sup>	Area Width	Average Thickness*	Covered	i Lu
Soapstone Metal washers Rubber gasketing		888.	8	N	÷	0	4.0
Piece of concrete block Glass fragments Metal fragments		20 20	~	n	÷	6	6.0
						Total Grid Block Volume (ft) <sup>b</sup> See pag	l Block የት) See page 2
Asbestos (suspected)	Comments: May be ot	other material concealed under thick vegetation growth	der thick veg	etation growth			
UCH-1886 (3 6-82) UCH-1886 (3 6-82) Approximate measurement in feet unless indicated Values for these entries are estimated.		otherwise.	Not determined. Not applicable.			Page 1	d d

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White Wing Scrap Yard (WWSY) Surface Debris Survey Form

	White Wing Sc	Wing Scrap Yard (WWSY) Surface Debris Survey Form	ebris Survey l	Form			
WWSY Surface Debris Survey	Date: 6/2/92	Surveyors: <u>V. P. Patania, D. E. Rice</u>	E. Rice		Grid Block ID: 27	D: <u>27</u>	
ttern / Material			Length	Width	Height	🖌 Solid <sup>e</sup>	Votume (m <sup>*</sup> ) <sup>b</sup>
Brick			4	5"	\$	100	0.093
Brick/concrete			8	4	5	100	0.037
Small Scattered Debris in Localized Area Type of Material	alized Area ial	Percent <sup>b</sup>	Area Length <sup>®</sup>	Area Width <sup>e</sup>	Average Thickness <sup>a</sup>	% Area Covered <sup>®</sup>	Votume (fit) <sup>b</sup>
Glass Possible asbestos Metal Wood		2 2 94 2	N	8	÷-	50	0.067
						Total Grid Block Volume (ft <sup>*</sup> ) <sup>5</sup> 2	Block ) <sup>b</sup> 2.2
Asbestos (suspected) <u>ves</u>	Comments:						
UCN-18866 (3.6.82) <sup>a</sup> Approximate measurement in feet unless indicated otherwise. <sup>b</sup> Values for these entries are estimated.	nt in feet unless indicated otherwing are estimated.	se. Not determined. Not applicable.	mined. able.			Page_2	of 2

	White Wing Scra	Wing Scrap Yard (WWSY) Surface Debris Survey Form	Jebris Survey	form			
WWSY Surface Debris Survey	Date: 6/12/92	Surveyors: R. C. Gosslee, V. P. Patania	, V. P. Patani		Grid Block ID: 28	D: <u>28</u>	
ttern / Material			Length	Wichth	Height	🖌 Solid <sup>6</sup>	Votume (ft <sup>*</sup> ) <sup>b</sup>
Chunk of vellow slag in area below	3		ů	<b>3</b> .	1.	100	0.005
Remains of crushed drum top (2 ea.)	ea.)		2 diam	q	1/4" thick	100	0.135
3/4 in. rebar (mostly buried)			U	U	c	v	U
Small Scattered Debris in Localized Area Type of Material	ed Area	Percent	Area Length <sup>®</sup>	Area Width <sup>®</sup>	Average Thickness <sup>a</sup>	% Area Covered <sup>5</sup>	Volume (fr?) <sup>b</sup>
Teflon Bricks Resp. Cartridges		3 3 3	10	06	÷	10	2.5
Metal							
						Total Grid Block Volume (ft <sup>*</sup> ) <sup>b</sup>	Block
Asbestos (suspected) Estimated Volume (ft <sup>2</sup> )	Comments: Occasional	Comments: Occasional 'small' deoris scattered throughout block.	roughout bloc	¥			
UCN-18868 (3 6-82) CN-18868 (3 6-82) Approximate measurement in feet unless indicated otherwise. Values for these entries are estimated.	a feet unless indicated otherwise stimated.	e. °Not determined. <sup>6</sup> Not applicable.	ermined. Nicable.			Page 1	0

• Values for these entries are estimated.

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	White Wing Scn	Wing Scrap Yard (WWSY) Surface Debris Survey Form	ebris Survey l	Torm			
WWSY Surface Debris Survey	Date: 6/2/92	Surveyors: D. E. Austin, Robert C. Gosslee	obert C. Gos	slee	Grid Block ID: 29	D: 29	
ttem / Material			Length	Width®	Height	🗙 Solid <sup>b</sup>	Volume (fit) <sup>b</sup>
55-gal metal drum lid			2 diam	р	1/4"	100	0.069
Stainless steel pipe			4"	2" diam	q	100	0.007
Steel pipe (mostly buried)			12	4" diam	d	100	1.04
Radiator-type hose			1.5	1" diam	þ	100	0.008
Lead and steel shielding material	al		4	2	1/2"	100	0.333
Metal tray			1.5	1	1/16"	100	0.007
Piece of pipe asbestos/concrete material	e material		3t	4"	1=	100	0.007
Small Scattered Debris in Localized Area Type of Material	ized Area	Percent <sup>b</sup>	Area Length <sup>®</sup>	Area Width <sup>®</sup>	Average Thickness <sup>®</sup>	% Area Covered®	Volume (ft <sup>3</sup> ) <sup>b</sup>
Respirator cartridges		16	Ĺ	ç	Ŧ	75	7 5
Hose insulator type		5	Ð	R	1	ę	c. ,
4 in. pipe cap		•-					
Mard		60					
Bricks		10					
Concrete pipe		-					
Broken glass		3					
Plastic bottle caps		-				Total Grid Block	Block
Asbestos wrap		2					(IL) See page 2
Aluminum wire		1				8	
Asbestos (suspected) <u>ves</u>	Comments: Overgrown						
UCM-18666 (3.6-82) <sup>a</sup> Approximate measurement in fect unless indicated otherwise.	in feet unless indicated otherwise	e. Not determined.	mined.				(

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Page 1 of 2

Approximate measurement in feet unle
 Values for these entries are estimated.

	White Wing S	White Wing Scrap Yard (WWSY) Surface Debris Survey Form	Debris Survey	Form			
WWSY Surface Debris	Date: 6/2/92	Surveyors: D. E. Austin, R. C. Gossle V. P. Patania, D. E. Rice	C. Gosslee ). E. Rice		Grid Block ID: 29	D: 29	
ttem / Material			Length	Width	Height	% Solid <sup>6</sup>	Volume (m)
Gatianized nine			2.5	3/4° diam	q	100	0.007
Calvariazou pripo			4	5.	8	100	0.093
Brown bottle			1.5° diam	3"	q	100	0.001
Besoirator Cartridoe			å	3° diam	q	100	0.008
Tubing conner			4°	4.	1/4"	100	0.002
Small Scattered Debris in Localized Area Type of Material	Localized Area aterial	i 'ercent"	Area Length	Area Widtin	Average Thickness <sup>a</sup>	% Area Covered®	Volume (m <sup>*</sup> ) <sup>b</sup>
Slate. glass. metal fragments	Its	62	5	2	÷	95	0.333
			<b></b>		_		
scattered debris in region of dead vegetation	of dead veoetation	ß				2	
						Total Grid Block	Block
						Volume (1	r)° 9.4
							5
Asbestos (suspected)							
UCX-18808 (3 5 42) UCX-18808 (3 5 42)	UCM-1868 (3 6-62) UCM-1868 (3 6-62) • Approximate measurement in feet unless indicated otherwise.		Not determined.			Page 2	of 2

"Not applicable.

• Values for these entries are estimated.

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WHEV Cutons Dobris	Data: 6/1/02				Grid Block ID: 30	D: 30	
Survey	Date. 0/ 1/36						
ttern / Material			Length	Width	Height	🖌 Solid <sup>6</sup>	Volume (m <sup>2</sup> )
Stainless steel tubing			4	đ	3/8" diam	tube	0.003
Glass bottle/air filter			C	c	U	υ	υ
Sheet metal, pipes, flanges			6	6	-	50	18.0
Transite			4	6	1/8"	100	0.375
5-gal metal drum lid			2	c	1/8"	100	0.40
Steel rod			7	1/4" diam	q	100	0.30
Small Scattered Debris in Localized Area Type of Material	alized Area iai	Percent <sup>b</sup>	Area Length <sup>®</sup>	Area Width <sup>*</sup>	Average Thickness <sup>®</sup>	% Area Covered®	Votume (m) <sup>b</sup>
Metal strap 8 ft		1					
Miscellaneous metal pieces							
Brick							
Piece of steel pipe							
						Total Grid Block	Block
						Volume (ft	
							0
Asbestos (suspected) <u>yes</u>	Comments:						
UCN-18856 (3 6-82) <sup>a</sup> Approximate measurement in feet unless indicated otherwise. <sup>b</sup> Values for these entries are estimated.	nt in feet unless indicated otherwing te estimated.	ise. "Not determined. "Not applicable.	mined. Zible.			Page 1	4

White Wing Scrap Yard (WWSY) Surface Debris Survey Form

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WWSY Surface Debris Survey	Date: 6/2/92	Surveyors: V. P. Patania, D. E. Rice	. E. Rice		Grid Block ID: 40	D: 40	
ttem / Material			Length	Width	Height	% Solid <sup>e</sup>	Votume (m)°
Metal conduit with wiring inside	Iside		e	1.25" diam	q	100	0.025
Aluminum pipe (partially buried)	uried)		2.5	1.25° diam	q	100	0.021
Aluminum box lid			1.5	å	1.5"	100	0.125
Small Scattered Debris in Localized Area Type of Material	Localized Area Iterial	Percent <sup>b</sup>	Area Length*	Area Width <sup>®</sup>	Average Thickness <sup>a</sup>	% Area Covered®	Votume (۳)
						Total Grid Block	Block
						Volume (II	)°
							121.0
Asbestos (suspected)	Comments: Partially overgr	Comments: Partially overgrown (heavily in some areas)					
UCN-18206 (3 0-82)	UCH-1856 (3 6 42) A Approximate measurement in feet unless indicated otherwise.	wise. *Not determined.	ermined.				

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Page 1 of 1

\*Not applicable.

• Values for these entries are estimated.

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					Crid Block ID: 44		
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ttem / Material			Length	JAPIM	Height	🖌 Solid	Volume (۳) <sup>6</sup>
Shoe soles			°.	10"	1/4"	100	0.004
Teflon/rubber gasket			3.	4.	1/4"	100	0.002
Brick			8	4"	5	100	0.037
Tape-wrapped pipe			1" diam	2	q	100	0.01
Solid concrete block			4	12	5"	100	20
Smalt Scattered Debris in Localized Area Type of Material	.ocalized Area Iterial	Percent	Area Lengthf	Area Wichtr	Average Thickness <sup>®</sup>	% Area Covered <sup>®</sup>	Volume (m) <sup>b</sup>
						Total Grid Block	Block
						Volume (It	
							R
Asbestos (suspected)	Comments: Dense foliage,	oliage, briars, unable to see ground surface.	surface.				
UCN-18866 [3 6-82] Approximate measure	UCN-18866 [3 8-82] <sup>a</sup> Approximate measurement in feet unless indicated otherwise.	wise. Not determined.	ermined.			- -	-

White Wing Scrap Yard (WWSY) Surface Debris Survey Form

Page 1 of 1

\*Not applicable.

<sup>b</sup> Values for these entries are estimated.

WWSY Surface Debris Survev	Date: 6/2/92	Surveyors: V. P. Patania, D. E.	D. E. Rice		Grid Block ID: 42	24	
ttern / Material			Length	Width	Height	% Solid <sup>b</sup>	Volume (m <sup>*</sup> ) <sup>b</sup>
Aluminum Pipe			2	0.75° diam	d	Pipe	0.004
Garbage can lid; std commercial size	mercial size		2 diam	q	1/4" thick	100	0.065
Rubber tube			ñ	3" diam	q	Tube	0.012
Ceramic chunk; roughly cylindrical section	ylindrical section		2" diam	5"	q	100	0.009
Wood post			12	5"	2"	100	0.070
•							
Small Scattered Debris in Localized Area Type of Material	Localized Area laterial	Percent <sup>b</sup>	Area Length*	Area Width <sup>®</sup>	Average Thickness <sup>e</sup>	% Area Covered <sup>®</sup>	Volume (m <sup>3</sup> ) <sup>b</sup>
3 in v 1/8 in v 16 in steel niece	l niece						
Rottle top			-	-	•	25	0.02
Teflon gasket							
						Total Grid Block	Block
						Volume (ft <sup>*</sup> ) <sup>b</sup>	a(
						<u></u>	see page z
Asbestos (suspected)	Comments: Area heavily covered by pine needles	covered by pine needles					
UCN-16856 (3 6-82) UCN-16856 (3 6-82) <sup>a</sup> Annrutimate measur	UCH-18886 [3 6-82] UCH-18886 [3 6-82] <sup>a</sup> Anoncaimate measurement in feet unless indicated otherwise.		Not determined.				

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White Wing Scrap Yard (WWSY) Surface Debris Survey Form

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Approximate measurement in rest unless munication of Values for these entries are estimated.

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\*Not applicable.

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WWSY Surface Debris Survey	Date: 6/2/92	Surveyors: <u>V. P. Patania, D.</u>	. E. Hice		Gind Block IU: 42	U: 42	
ttern / Material			Length	Width®	Height	🖌 Solid <sup>e</sup>	Volume (ft <sup>*</sup> ) <sup>b</sup>
Six respirator cartridges			2 <b>-</b> /ea	3" diam/ea	p	100	0.05
Soapstone chunk / pipette bulb	bulb		1.5"	3.0"	4.0"	1 <u>8</u>	0.104
Galvanized threaded metal pipe	pipe		2.5	0.75 diam	q	Pipe	0.008
Black iron pipe (partially buried)	uried)		1.5	1.5 diam	q	Pipe	0.018
Copper tubing (partially buried)	ried)		1.5	0.25" diam	q	Pipe	0.001
Plastic pipe tee			1.	2"	q	Pipe	0.009
Respirator cartridge							
Small Scattered Debris in Localized Area Type of Material	.ocalized Area Iterial	Percent <sup>b</sup>	Area Length	Area Width <sup>®</sup>	Average Thickness <sup>#</sup>	% Area Covered*	Volume (ft <sup>2</sup> ) <sup>b</sup>
						4°	
						Total Grid Block Volume (II <sup>2)</sup>	Block
							0.37
Asbestos (suspected)	Comments:						
UCN-18866 (3 6-82) Approximate measure	UCN-18856 (3 6-82) CON-18856 (3 6-82) Approximate measurement in feet unless indicated otherwise.	wise. Not determined.	ermined. Virshe			Page 2	of 0
- Values for these calines are calinated							

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WWSY Surface Debris Survey	Date: 6/2/92	Surveyors: D. E. Austin, R. (	C. Gosslee		Gind Block IU: 44	U: 44	
ttem / Material			Length	Width	Height	🖈 Solid <sup>e</sup>	Votume (tr <sup>3</sup> ) <sup>b</sup>
Plastic jug (crushed)			Š	₽3	5"	100	0.01
5-gal metal drum lid			4"	10"	1/8"	100	0.003
3 aluminum canistor-type cartridges	artridges		Ň	4" diam	q	100	0.025
Small Scattered Debris in Localized Area Type of Material	ocalized Area Iterial	Percent <sup>b</sup>	Area Length*	Area Width <sup>®</sup>	Average Thickness <sup>a</sup>	% Area Coverad <sup>®</sup>	Volume (ft <sup>3</sup> ) <sup>b</sup>
Miscellaneous metal debris Concrete chips		5 64	g	9	1.	100	ი
Metal pipe 1 in. x 10 ft Tofico fiscoro/class		21					
							*****
						Total Grid Block	Block
						vouine (n Se	See page 2
Asbestos (suspected)	Comments:						
UCN-18666 (3 6-82) <sup>a</sup> Approximate measurement in feet unb <sup>b</sup> Values for these entries are estimated	UCN-18666 (3 6-82) • Approximate measurement in feet unless indicated otherwise. • Values for these entries are estimated.	wise. Prot determined.	stmined. licable.			Page 1	of 2

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WWSY Surface Debris Survey	Date: 6/2/92	Surveyors: D. E. Austin, R. C. Gosslee	. C. Gosslee		Grid Block ID: 44	D: 44	
ttern / Material			Length	Width	Height	<b>≭</b> Solid <sup>b</sup>	Votume (۳*) <sup>5</sup>
Graphite brick			Š	3"	۱.	100	0.003
Metal box			3"	3.	3"	100	0.015
Tank or vessel seal flange			1	2	c	100	0.041
Respirator cartridge			ŝ	3 diam	q	100	0.008
Angle iron			5	<b>6</b>	1/4"	100	0.047
Small Scattered Debris in Localized Area Type of Material	ized Area I	Percent	Area Length	Area Width <sup>*</sup>	Average Thickness*	% Area Covered®	Volume (m) <sup>b</sup>
Insulation		10					
Tetion flange		10	10	12	-	U	10
Barrel piece		10					
Bottle cap		10					
Particle board		10					
Metal shavings		10	<u> </u>				- <u></u>
Transite		10					
Respirator cartridge		10					
Metal bands		10				Total Grid Block	Block
						Volume (ft <sup>.)</sup> "	13.1
Asbestos (suspected) <u>yes</u>	Comments: <u>Heavy brush a</u>	Comments: Heavy brush and briars; some dead vegetation foliage	tation foliage				
UCN-1866 (3 6-62) Approximate measurement in feet unless indicated otherwise. Values for these entries are estimated.	in feet unless indicated otherwise estimated.	PNot determined	nined able.			Page 2	of 2

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	White Wing S	White Wing Scrap Yard (WWSY) Surface Debris Survey Form	face Debris Survey F	<b>E</b>			
WWSY Surface Debris	Date: 6/11/92	Surveyors: R. E. Rodri	Rodriguez, P. F. Tiner		Grid Block 1D: 46	0: 46	
ttem / Material			Lengtif	Width®	Height	%Soild <sup>®</sup>	Volume (m <sup>2</sup> ) <sup>b</sup>
District Andrew 42 00			8	°.	4	100	0.056
Dilcks (pairly buried) 12 ca			υ	U	U	IJ	0.5
Asuesius-type clour			4	3° diam	q	pipe	0.196
Metal pipe (party barred)			4" diam	1/16"	q	100	0.0001
Metal plate Crossing block			З.	3.	3	100	0.010
Concrete check			4	co Co	3	100	36
			2	3	3	100	18
Small Scattered Debris in Localized Area Type of Material	6	Percent <sup>b</sup>	Area Lengtir <sup>a</sup>	Area Width <sup>®</sup>	Average Thickness <sup>a</sup>	% Area Covered <sup>®</sup>	Volume (m) <sup>b</sup>
Notes: 3" metal rod protruding from ground. Apparently more material buried.	nd.						
						Total Grid Block Volume (୩ <sup>3</sup> ) <sup>b</sup> See page	rid Block (൩ഀ) <sup>b</sup> See page 2
Asbestos (suspected) Yes	Comments:						
UCN-18668 (3.6-82) • Approximate measurement in fect unless indicated otherwise. • Values for these entries are estimated.	d.		Not determined. Not applicable.			Page 1	0 0

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WWSY Surface Debris Survev	Date: 6/11/92	Surveyors: R. E. Rodri	Rodriguez, P. F. Tiner		Grid Block ID: 46	: 46	
ttern / Material			Length	Width®	Height	%Solid®	Votume (m <sup>3</sup> ) <sup>b</sup>
Rotting HEPA filter			2	5	5.	S	0.083
Concrete chunk			2	2	2	100	8
Concrete chunk			2	2	3	100 1	12
Steel plate (parth buried)			15	9	1/4" thick	100	1.8
Metal bench (part buried) steel, non-compactible	mpactible		B	2	1	30	1.8
Small Scattered Debris in Localized Area Type of Material	8	Percent	Area Length <sup>*</sup>	Area Width <sup>*</sup>	Average Thickness <sup>a</sup>	% Area Covered®	Volume (ft <sup>*</sup> ) <sup>b</sup>
							T
						Total Grid Block	Block
						Volume (II	78
							2
Asbestos (suspected)	Comments:						
UCN-1886 [3 5-82] Approximate measurement in feet unless indicated otherwise.	inless indicated other		Not determined.			C and	م ت
<sup>b</sup> Values for these entries are estimated	g		"Not applicable.				J 5

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	White Wing S	White Wing Scrap Yard (WWSY) Surface Debris Survey Form	Debris Surve	y Form			
WWSY Surface Debris Survey	Date: 6/2/92	Surveyors: <u>V. P. Patania, D. E. Rice</u>	O. E. Rice		Grid Block ID: <u>55</u>	55	
ttern / Material			Length	Width	Неідінг	🖌 Solid <sup>6</sup>	Volume (n <sup>2</sup> ) <sup>6</sup>
Circular plug of solidified tar			12° diam	ŝ	q	100	0.131
Strip of aluminum metal			1.5	1.5	10 mil	100	0.0001
Charinel iron			5	8"	1/8" thick	100	0.347
Black iron pipe			6	2" diam	d	Pipe	0.003
Channel iron			5	8"	1/8" thick	100	0.035
Small Scattered Debris in Localized Area Type of Material	alized Area ial	Percent <sup>b</sup>	Area Lengtif	Area Wicth <sup>®</sup>	Average Thickness <sup>a</sup>	× Area Coverado	Volume (ft <sup>2</sup> ) <sup>b</sup>
				i i i			
				•			
						Total Grid Block	Block
							0.516
Asbestos (suspected)	Comments: Much overgrowth	OWIN					
UCH-18868 (3 5-82) Approximate measurement in feet unless indicated otherwise.	at in feet unless indicated other		Not determined.			L and	- 7

Not determined. Not applicable.

Approximate incommutation in the second secon

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	White Wing S	Wing Scrap Yard (WWSY) Surface Debris Survey Form	Debris Survey	Form			
WWSY Surface Debris Survev	Date: 6/2/92	Surveyors: D. E. Austin, R. C. Gosslee	C. Gosslee		Grid Block ID: 57	D: <u>57</u>	
ttem / Material			Lengtr	Width <sup>a</sup>	Height	% Solid <sup>6</sup>	Volume (ti <sup>3</sup> ) <sup>b</sup>
Aluminum strap			12"	1.	1/4"	100	0.021
Small Scattered Debris in Localized Area Type of Material	.ocalized Area Iterial	Percent <sup>b</sup>	Area Length*	Area Width <sup>*</sup>	Average Thickness <sup>a</sup>	% Area Covered®	Vot.me (m <sup>3) 3</sup>
							T
						Total Grid Block	Block
						Volume (11-	)"
							130.0
Asbestos (suspected)	Contiments: Dense foliage, I	Comments: Dense foliage, unable to see ground surface.					
UCN-19898 (3 6-42) Approximate measurement in feet unk <sup>b</sup> Values for these entries are estimated.	UCN-18666 (3 6-82) Approximate measurement in feet unless indicated otherwise. <sup>a</sup> Approximate others are estimated.	wise. Prot determined.	stmined. ticable.			Page 1	of 1

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WWSY Surface Debris Survey	Date: 6/12/92	Surveyors: R. C. Gosslee, V. P. Patania	V. P. Patani		Grid Block ID: <u>58</u>	D: 58	
ttem / Material			Length	Width	Height	🗙 Solid <sup>o</sup>	Volume (m) <sup>b</sup>
Glass bottle			3°	3 <b>.</b>	10"	100	0.052
Metal pipe			6	1/2* diam	q	pipe	0.004
Fan housing			2 diam	1/16" thick	q	30	0.002
Soda can			2.5" diam	đ	5'	100	0.014
Chunk of soapstone/graphite			6"	6"	•••	100	0.021
Metal pipe (partially buried)			2	3" diam	q	pipe	0.008
Plate iron			2	7"	0.25	100	0.024
Small Scattered Debris in Localized Area Type of Material	alized Area ial	Percent <sup>b</sup>	Area Length <sup>®</sup>	Area Width <sup>4</sup>	Average Thickness <sup>®</sup>	% Area Covered®	Volume (ft <sup>2</sup> ) <sup>b</sup>
Graphite chunks Metal debris Wood debris		20 30 50	10	10	÷	a	0.417
Metal plate Teflon Glass		30 30	N	N	-	80	0.267
						Total Grid Block Volume (ft <sup>*</sup> ) <sup>b</sup> See pa	d Block ແງ້) See page 2
Asbestos (suspected)	Comments: <u>Heavy ground</u>	ground cover throughout block.					
UCN-18886 (3 6-82) <sup>a</sup> Anorratimate measurement in feet unless indicated otherwise.	nt in feet unless indicated otherwi	se. Not determined	rminod				

White Wing Scrap Yard (WWSY) Surface Debris Survey Form

Page 1 of 2

<sup>a</sup> Approximate measurement in feet unless indicated otherwise. <sup>b</sup> Values for these entries are estimated.

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"Not determined. "Not applicable.

	White Win	White Wing Scrap Yard (WWSY) Surface Debris Survey Form	ace Debris ?	Survey Form			
WWSY Surface Debris Survev	Date: 6/12/92	Surveyors: R. C. Gosslee, V. P. Patania	, V. P. Pata	nia	Grid Block ID: <u>58</u>		
ttem / Material			Length	Width®	Height	🗶 Solid <sup>6</sup>	Volume (۳) <sup>b</sup>
Rubber tubing			2	2ª diam	q	Pipe	0.437
Teflon O-ring			4° diam	q	1/8"	100	0.001
Metal pipe			1.5	0.25" diam	q	Pipe	0.0001
Rubber pipe			2.0	1° diam	ק	Pipe	0.005
Small Scattered Debris in Localized Area Type of Material	ctalized Area erial	Percent <sup>b</sup>	Area Length <sup>®</sup>	Area Width	Average Thickness <sup>®</sup>	🗶 Area Covered <sup>®</sup>	Volume (m <sup>3</sup> ) <sup>5</sup>
Glass Shards Concrete Chunks		50	Э	ß	+	8	0.45
						Total Grid Block Volume (ît <sup>)</sup> <sup>b</sup>	tock 1.7
Asbestos (suspected) Estimated Volume (ft <sup>*</sup> )	Comments: Small meta	Comments: Small metal debris (strapping bands) in block.	in block.				
UCN-18856 (3.6.42) Approximate measurement in feet unless indicated otherwise. Values for these entries are estimated.	neat in feet unless indicated oth s are estimated.		Not determined. Not applicable.			Page 2	of 2

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	White Wing S	While Wing Scrap Yard (WWSY) Surface Leons Survey roum	Lucous our				
WWSY Surface Debris	Date: 6/12/92	Surveyors: <u>R. C. Gosslee, V. P. Patania</u>	V. P. Patan	<u>a</u>	Grid Block ID: <u>60</u>	2	
survey ttem / Material			Length	Width	Неідің	🛪 Solid <sup>®</sup>	Volume (m <sup>2</sup> ) <sup>b</sup>
Constant chinks			.4	.4	-	100	0.019
Suddstorie citutiks			8	1.5° diam	q	pipe	0.066
Metal leficepost (part of 2 o	unk (nartially huried)		2	2	-	100	4.0
			<b>.</b> 8	4° diam	q	6	0.052
Meral Valve Control unit			-	4	ß	100	0.056
-Block (partially burled)			-	4	2	100	0.056
Solid concrete block							
Small Scattered Debris in Localized Area Type of Material	ocalized Area terial	Percent <sup>b</sup>	Area Lengtif	Area Width <sup>®</sup>	Average Thickness <sup>®</sup>	% Area Covered®	Votume (m) <sup>b</sup>
Large rectangular mound of rebar reinforced concrete chunks with iron I-beams and steel cable	st rebar reinforced concrete s and steel cable	00	25	10	n	100	750
As above and metal dilapidated 'radiation hazard' sign	idated 'radiation hazard'	8	8	4	2	100	160
Metal strapping Teflon		2 33	N	2	÷	30 0.1 Total Grid Block Volume (ft <sup>3</sup> )*	0.1 Block
Glass						۳	See page 2
Slao material Asbestos (suspected)	Comments: Buried debris	debris throughout block; block has heavy ground cover	is heavy gro	und cover.			
UCN-18856 (3 6-82)			Not determined.				

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Not determined. Not applicable.

UCM-1886 [3 6 42] <sup>a</sup> Approximate measurement in feet unless indicated otherwise. <sup>b</sup> Values for these entries are estimated.

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	White Wing Scraf	White Wing Scrap Yard (WWSY) Surface Debris Survey Form	ris Survey I	orm			
WWSY Surface Debris Survey	Date: 6/12/92	Surveyors: R. C. Gosslee, V. P. Patania	V. P. Patar	ia	Grid Block ID: <u>60</u>	D: 60	
ttem / Material			Length <sup>*</sup>	Width	Height	% Solid	votume (۳)
Example for area *			12°	6"	2"	100	0.083
Stainless steel pipe			3	1.25* diam	q	100	0.005
Small Scattered Debris in Localized Area Type of Material	zed Area	Percent <sup>b</sup>	Area Length <sup>*</sup>	Area Width <sup>*</sup>	Average Thickness <sup>#</sup>	% Area Covered <sup>®</sup>	Votume (m) <sup>b</sup>
*Construction brick		100	40	12	1.5	100	720
Concrete material		100	9	9	n	100	108
and metal rebar							
						Total Grid Block	Block
						Volume (fr	1740
							7
Asbestos (suspected)	Comments: Most of large	Comments: Most of large debris concentrations within ~6 ft of road in the block	~6 ft of ro	ad in the bloc	×		
UCH-1886 (3 6-82) Approximate measurement in feet unit Voltand for these southing are estimated	a e-e2 Approximate measurement in fect unless indicated otherwise. Volume for three entries are estimated	Not determined.	ined. ble:			Page 2	of 5

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Not applicable.

Values for these entries are estimated.

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	White Wing S	White Wing Scrap Yard (WWSY) Surface Debris Survey Form	face Debris Survey	Form			
WWSY Surface Debris Survey	Date: 6/11/92	Surveyors: R. E. Rodriguez, P. F. Tiner	iguez, P. F. Tiner		Grid Block ID: <u>62</u>	: 62	
tem / Material			Length	Width	Height	¥.Solid°	Volume (m <sup>2</sup> ) <sup>b</sup>
Nine resolrator cartridges			q	4° diam	2 1/2"	20	0.004
Burlan type (pos. asbestos)			U	J	U	υ	0.5
Concrete cvlinder			2.5	9" diam	q	100	1.11
Steel cable. Darth buried			3	1/4" diam	q	100	0.001
PVC piping			10	3° diam	q	15	0.023
Four hricks			8	<b>.</b>	4.	100	0.222
Wood pallet			4	3	3.	100	3.0
Small Scattered Debris in Localized Area Type of Material	œ	Percent	Area Length <sup>*</sup>	Area Width <sup>a</sup>	Average Thickness <sup>a</sup>	% Area Covered®	Volume ش) <sup>5</sup>
						Total Grid Block	Block
						n) winne (ii	(iii) See nage 2
						}	
Asbestos (suspected) Ves	Comments:						
UCN-18688 (3 6-62) Approximate measurement in feet unless indicated otherwise. Values for these entries are estimated.	L ness indicated other xt.		Not determined. Not applicable.			Page 1	of 0

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White Wine Seran Yard (WWSY) Surface Debris Survey Form

	White Wing S	White Wing Scrap Yard (WWSY) Surface Debris Survey Form	face Debris Survey	Form			
WWSY Surface Debris Survey	Date: 6/11/92	Surveyors: R. E. Rodri	E. Rodriguez, P. F. Tiner		Grid Block ID: <u>62</u>	D: <u>62</u>	1
ttem / Material			Length	Wichth	Height	%Solid <sup>®</sup>	Volume (m <sup>3</sup> ) <sup>b</sup>
Steel pipe			20	3" diam	q	pipe	0.327
Two 55-gal drums			U	v	U	υ	15
2-oal metal bucket			U	v	J	U	0.15
Metal trash can. 15-gal capacity (semi-crushed)	srushed)		U	c	U	ပ	0.75
Metal Dioe			20	2" diam	þ	pipe	0.44
Five graphite blocks			a	5"	3	100	0.145
Two pieces of sheet metal (partly buried)	()		1*/2	1/16"	1-/7	100	0.07
Small Scattered Debris in Localized Area Type of Material	g	Percent <sup>b</sup>	Area Length <sup>*</sup>	Area Width"	Average Thickness <sup>a</sup>	% Area Covered <sup>®</sup>	Volume (m <sup>3</sup> ) <sup>b</sup>
Plastic debris		1 ft <sup>3</sup>					
			<b>r</b>				
						Total Grid	Bhok
						Volume (ft) <sup>b</sup>	
			<u></u>				ิส
Asbestos (suspected)	Comments:						
UCM-18856 (3.8-82) Approximate measurement in feet unless indicated otherwise. Values for these entries are estimated.	nters indicated other of.		Not determined. <sup>4</sup> Not applicable.			Page 2	0 0

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WWSY Surface Debris Survey	Date: 6/9/92	Surveyors: R. C. Go P. F. Tir	. Gosslee, V. P. Patania . Tiner	ania	Grid Block ID: <u>63</u>	D: 63	
ttem / Material			Length	Width®	Height	%Solid	Volume (m <sup>2</sup> ) <sup>b</sup>
Soapstone chunk			3.5"	7.0"	1.0 -	100	0.014
5 gal metal drum top			12* diam	1/16" thick	q	flat cylinder	0.004
Asbestos curtain (partially buried)	0		2	2	1/8"	100	0.04
Rubber (partially buried)			12"	4.	1/8"	100	0.003
Metal square			14"	14"	1/8"	100	0.014
Aluminum reel			4" diam	0.25" thick	q	80	0.001
Section of railroad tie			4	14"	14"	100	5.45
Small Scattered Debris in Localized Area Type of Material	zed Area	Percent <sup>b</sup>	Area Lengtif	Area Width <sup>*</sup>	Average Thickness <sup>®</sup>	% Area Covered*	Volume (fr) <sup>b</sup>
						Total Grid Blo	  *
						Volume (ît <sup>*</sup> ) <sup>b</sup>	C
						S.	see page 3
Asbestos (suspected) <u>yes</u>	Comments: Extremely overgrown with briars	ergrown with briars.					
UCN-18856 (3 6 42) <sup>a</sup> Approximate measurement in fect unless indicated otherwise. <sup>b</sup> Values for these entries are estimated.	in fect unless indicated otherwise estimated.		Not determined. *Not applicable.			Page 1	0 3

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WWSY Surface Debris Survey	Date: 6/9/92	Surveyors: R. C. Gosslee, V. P. Patania P. F. Tiner	Gosslee, V. P. P Tiner	atania	Grid Block ID: <u>63</u>		
ttern / Material			Length®	Wichth	Height	%Solid <sup>®</sup>	Votume (۳ <sup>3</sup> ) <sup>6</sup>
Metal pipe/teflon washer			12	1" diam	q	pipe	0.016
Metal (partially buried)			Ň	5	0.25"	100	1.0
Sheet metal			2	4"	1/16"	100	0.003
Metal and rubber diaphram			2 diam	3.5 thick	q	100	11.0
Metal plate			5"	18"	1/32"	100	0.002
Metal pipe (partially buried)			4	1° diam	q	pipe	0.022
Metal plate			1.5	5"	1/8"	100	0.007
Small Scattered Debris in Localized Area Type of Material	ized Area	Percent <sup>b</sup>	Area Length*	Area Wicth <sup>4</sup>	Average Thickness <sup>a</sup>	% Area Covered <sup>‡</sup>	Volume (ft <sup>2</sup> ) <sup>b</sup>
Metal shavings Metal retaining ring Rubber Doe of Ismer gree outside block		50 20 30	თ	0	÷	20	1.35
						Total Grid Block Volume (ft <sup>*)</sup> See page	rid Block (ft <sup>*</sup> ) <sup>b</sup> See page 3
Asbestos (suspected)	Comments: Small debris	lall debris all through block. Not possible to estimate extent of coverage.	t possible to e	stimate exter	it of coverage.		
UCN-18856 (3.6.82) <sup>a</sup> Approximate measurement in fect unless indicated otherwise. <sup>b</sup> Values for these entries are estimated.	in feet unless indicated otherwise estimated.		Not determined. Not applicable.			Page 2	o o

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Wing Scrap	
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- **CHARMER CONTRACTOR** 

WWSY Surface Debris Survey	Date: 6/9/92	Surveyors: <u>R. C. Gc</u> <u>P. F. Ti</u>	Gosslee, V. P. Patania Tiner	tania	Grid Block IU: 63	8	
ttem / Material			Length <sup>®</sup>	Wichth®	Height	%Solid <sup>®</sup>	Volume (n <sup>3</sup> ) <sup>5</sup>
Pipe (partly buried)			2 visible	1" diam	q	pipe	0.010
Small Scattered Debris in Localized Area Type of Material	zed Area	Percent <sup>b</sup>	Area Lengtif	Area Width <sup>®</sup>	Average Thickness <sup>®</sup>	% Area Covered	Volume (ft <sup>2</sup> ) <sup>b</sup>
						Total Grid Block Volume (11 <sup>3</sup> )	Block
							19
Asbestos (suspected)	Comments: Extremely overgrown with briars.	ergrown with briars.					
UCN-18856 (3 6-82)							
<ul> <li>Approximate measurement in fect unless indicated</li> <li>Values for these entries are estimated.</li> </ul>	in fect unicas indicated otherwise. estimated.		Not applicable.			Page 3	0 3

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AN RECEIVED A REPORT OF A R

WWSY Surface Debris Survey	Date: 6/9/92	Surveyors: <u>P. F. Tiner</u>	Gosslee, V. P. Patania Tiner	Inia	Grid Block ID: <u>65</u>		
ttern / Material			Length	wichtif	Height	%Solid	Votume (m <sup>*</sup> ) <sup>b</sup>
Rubber tubing (2)			4/ea	5"/ea diam	đ	pipe	0.654
Hydraulic hose			25	1.5" diam	d	pipe	0.205
Sheet metal			3	1.	1/16" thick	100	0.001
Stainless piping (partially buried)			2	1° diam	q	pipe	0.005
Stainless piping (partially buried)			8	1* diam	d	pipe	0.022
Rubber hose (partially buried)			5	1" diam	d	pipe	0.014
Metal pipe			12	1° diam	q	pipe	0.033
Small Scattered Debris in Localized Area Type of Material	8	Percent	Area Length <sup>®</sup>	Area Width <sup>®</sup>	Average Thickness <sup>®</sup>	% Area Covered®	Votume (m <sup>3</sup> ) <sup>b</sup>
						Total Grid Block	Block
						Volume (ît <sup>*</sup> ) <sup>6</sup>	
						ФУ	See page 3
Asbestos (suspected)	Comments: De Blo	Comments: Debris all over block; see page 3 of 3. Block is extremely heavily overgrown with vegetation; some areas are virtually impassable.	page 3 of 3. overgrown wit	th vegetation;	some areas are vi	rtually impas	sable.
UCN-18858 (3.642) Approximate measurement in feet unless indicated otherwise. Values for these entries are estimated.	nless indicated other x1.		Not determined. Not applicable.			Page 1	of 3

	White Wing >	White Wing Scrap Tarte (WWST) Surface Leons Survey Form	I TRUC THENING				
WWSY Surface Debris Survev	Date: 6/9/92	Surveyors: R. C. Gossl P. F. Tiner	Gosslee, V. P. Patania Tiner	lia	Grid Block ID: <u>65</u>		
ttern / Material			Length <sup>®</sup>	Width	Height®	"pijos%	Volume (m <sup>*</sup> ) <sup>b</sup>
Crushed 55-gal metal drum			4	2.5	4"	8	3.0
Numerous teflon O-rings			J	c	IJ	υ	υ
Numerous pipes (partially buried)			U	J	v	ပ	υ
Metal arinding wheel			6° diam	1/8 <sup>e</sup> thick	q	95	0.002
Metal bands (2)			5/ea	3"/ea	1/16°/ea	100	0.013
Pine			e	1.75° diam	q	pipe	0.029
Metal pipe			5	1.75" diam	đ	pipe	0.024
Small Scattered Debris in Localized Area Type of Material	zed Årea	Percent <sup>b</sup>	Area Length <sup>®</sup>	Area Wictitr	Average Thickness	% Area Covered®	Volume (fi <sup>3</sup> ) <sup>b</sup>
Metal shavings			N	2	4.	8	1.067
						Total Grid Block	Block
						Volume (ft')	(III) <sup>2</sup> See name 3
						5	hade c
Asbestos (suspected)	Comments: Block is covered	Comments: <u>Block is generally covered with small scattered debris over entire area.</u> <u>Bloce is covered with major debris of the types and guantities shown on pages 1-3.</u>	small scattered e types and gu	l debris over en antities shown		Block is also about 50% 1-3.	50%
UCH-1886 [3 6-82] Approximate measurement in feet unless indicated otherwise.	in feet unless indicated othe	rwisc.	Not determined.	i		Page 2	0 3
• Values for these entries are estimated.	cstimated.						

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White Wing Scrap Yard (WWSY) Surface Debris Survey Form

	White Wing Scrap	White Wing Scrap Yard (WWSY) Surface Debris Survey Form	ace Debris Survey	Form			
WWSY Surface Debris Survey	Date: 6/9/92	Surveyors: <u>R. C. Gossl</u> P. F. Tiner	<u>Gosslee, V. P. Patania</u> Tiner	lia	Grid Block ID: <u>65</u>	D: 65	
ttern / Material			Length	Width®	Height	%Soilid <sup>®</sup>	Volume (m <sup>2</sup> ) <sup>b</sup>
Sheet metal			1.5	3.5	1/16"	100	0.003
Metal band			2	1.5"	1/2	100	0.010
Buhber track			9	2.5	1 <sup>*</sup> thick	100	0.104
Partially huried nine			2	1.75° diam	p	pipe	0.010
I divide both of the							
Small Scattered Debris in Localized Area Type of Material	ized Area	Percent <sup>b</sup>	Area Length <sup>®</sup>	Area Width <sup>®</sup>	Average Thickness <sup>®</sup>	% Area Covered®	Volume (۳) <sup>6</sup>
Graphite Rubber Metal shavings/wire		10 60 10 20	30 diam	σ	÷	20	29.45
						Total Grić Błock Volume (ît <sup>*</sup> ) <sup>5</sup>	Błock ) <sup>b</sup> 35
Asbestos (suspected)	Comments: It was decided that far too much major debris was encountered for explicit inventory. An estimate may be determined by assuming 50% coverage and types of debris estimated from entries on pages 1-3.	d that far too much n suming 50% coverac	najor debris was e	encountered for ebris estimated	explicit inven from entries o	tory. An esti In pages 1-3	nate
UCM-18666 (3 6-62) Approximate measurement in feet unless indicated otherwise. Values for these entries are estimated.	t in feet unless indicated otherwise. e estimated.	ž	Not determined. <sup>4</sup> Not applicable.			Page 3	0

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	White Wing S	Wing Scrap Yard (WWSY) Surface Debris Survey Form	<b>Debris Survey</b>	Form			
WWSY Surface Debris Survey	Date: 6/2/92	Surveyors: D. E. Austin, R. C. Gosslee	C. Gosslee		Grid Block ID: 71	D: <u>71</u>	
ttem / Material			Length	Width	Height	% Solid <sup>e</sup>	Volume (m <sup>*</sup> ) <sup>b</sup>
Respirator cartridge			3" diam	2" thick	p	100	0.008
Gatepost pipe			4	2" diam	q	pipe	0.087
Small Scattered Debris in Localized Area Type of Material	Localized Area aterial	Percent <sup>b</sup>	Area Length*	Area Width <sup>®</sup>	Average Thickness <sup>®</sup>	% Area Covered <sup>®</sup>	Votume (۳) <sup>6</sup>
							T
						Total Grid Block	Block
						Volume (II	)" 0.005
							0000
Asbestos (suspected)	Comments: NW quadrant i	Comments: NW guadrant inaccessible due to heavy brush.	sh.				
UCN-19696 (3.6-42) <sup>a</sup> Approximate measurement in feet univ <sup>b</sup> Values for these entries are estimated.	UCN-18656 [3 6-82] <sup>a</sup> Approximate measurement in feet unless indicated otherwise. <sup>b</sup> Values for these entries are estimated.	wise. PNot determined.	ermined. Micable.			Page 1	- 7

Values for these entries are estimated.

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8 Volume (T)<sup>b</sup> Volume (m)<sup>b</sup> 0.01 of 1 Total Grid Block Volume (ft<sup>\*</sup>)<sup>b</sup> **64.8** 15 Page 1 % Area Covered® Solid<sup>b</sup> 8 ŝ ----Grid Block ID: 74 Average Thickness<sup>a</sup> Height ო --Area Width<sup>®</sup> Width White Wing Scrap Yard (WWSY) Surface Debris Survey Form თ 4 9 Length Area Length<sup>®</sup> Not determined. Not applicable. 80 ო ო Surveyors: R. C. Gosslee Percent<sup>b</sup> UCN-18856 (3 6-82) Approximate measurement in feet unless indicated otherwise. Glass bottles; some intact, some broken (15-20) Date: 6/1/92 Small Scattered Debris in Localized Area Values for these entries are estimated. Comments: Metal and wood boxes, metal straps Type of Material Steel straps, cables, drum top Asbestos (suspected) \_\_\_\_\_ WWSY Surface Debris ttem / Material **Glass bottles** Survey

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WWSY Surface Debris Survey	Date: 6/11/92	Surveyors: R. E. Rodriguez, P.	iquez, P. F. Tiner		Grid Block ID: 76	): 76	
ttem / Material			Length	Width®	Height	%Solid <sup>6</sup>	Volume (m) ک
Steel bar			5	2"	1/8" thick	100	0.009
Metal bucket, 5-gal capacity (semi-crushed)	hed)		11.	c	4"	100	0.25
Sheet metal, folded into solid square			6"	4"	3.	100	0.042
Two 55-gal metal drums			U	c	c	ა	15
Several heavy metal pieces including electric motor and cylinder	lectric motor and	cylinder	U	IJ	c	ပ	e
Small Scattered Debris in Localized Area Type of Material	g	Percent	Area Lengtif	Area Width <sup>*</sup>	Average Thickness <sup>e</sup>	% Area Covered <sup>®</sup>	Volume (ft <sup>2</sup> ) <sup>b</sup>
						Volume (It <sup>*</sup> ) <sup>b</sup>	BOCK
							18
Asbestos (suspected)	Comments: Ele	Comments: Electric motor with identification number Y-65748 found.	ation number Y-65	748 found.			
UCN-18866 (3.6-82) <sup>a</sup> Approximate measurement in fect unless indicated otherwise. <sup>b</sup> Values for these entries are estimated.	alces indicated other d.		Not determined. Not applicable.			Page 1	<b>0</b>

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Survey Form	
e Debris (	1 10 1 10 10 10 10 10 10 10 10 10 10 10
Surface	
(YWWSY)	The second se
Yard	
Scrap	
S Wing	
White	

	<b>1</b> - 0		•		_		
WWSY Surface Debris Survey	Date: 6/13/92	Surveyors: R. C. Gosslee, V. P. Patania	V. P. Patani		Grid Block ID: 78	D: 78	
ttern / Material			Length	Width	Height <sup>a</sup>	% Solid <sup>®</sup>	Volume (m <sup>2</sup> ) <sup>b</sup>
*Cerannic insulator			3" diam	q	4'	100	0.016
Aluminum plate			3	3	0.25"	100	0.118
Metal frame			1.5	4	1/8" thick	40	0.025
Metal band			2	2"	1/8" thick	100	0.003
Ribber matting/teflon			ł	1	1/8" thick	100	0.010
Small Scattered Debris in Localized Area Type of Material	ced Area	Percent	Area Length <sup>®</sup>	Area Width <sup>®</sup>	Average Thickness <sup>a</sup>	% Area Covered <sup>®</sup>	Volume (ft) <sup>b</sup>
*Plastic		25	ų	9	-	30	6.0
Metal Rubber		25 25	)	)		1	
Class Class		25					
Metal Debris		100	10	13	1.5	80	156
Springs. large angle iron.							
plates. gratings							
Metal		25	З	8	1.	15	0.3
Lucite		25				Total Grid Block	Block
Teflon		25				Volume (itt)	(irc) See page 2
Ceramic		25				5	
Asbestos (suspected) <u>ves</u>	Comments: <u>Very heavily ov</u> have small del	heavily overgrown with briars and blackberry bushes - grid block is barely accessible; may small debris throughout block.	ackberry bus	hes - grid bl	ock is barely	accessible;	may
UCM-1886 (3 6-82) Approximate measurement in feet unless indicated Values for these entries are estimated.	n fect unless indicated otherwise. estimated.	Not determined Not applicable.	ined. ble:			Page 1	of 2

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	White Wing Scrap	White Wing Scrap Yard (WWSY) Surface Debris Survey Form	ris Survey Fe	E L			
WWSY Surface Debris Survey	Date: 6/13/92	Surveyors: R. C. Gosslee, V. P. Patania	V. P. Patania		Grid Block ID: 78	D: 78	
ttem / Material			Length	WIGHT	Height	🖌 Soild <sup>6</sup>	Volume (m <sup>2</sup> ) <sup>6</sup>
Heavy towing cable (partly buried)	d)		12	1 diam	p	100	7.92
Folded carvas wad			3	2	2	100	1.00
Metal tray			Ŧ	2	1/32"	100	0.005
Small Scattered Debris in Localized Area Type of Material	zed Area	Percent <sup>b</sup>	Area Length <sup>a</sup>	Area Width <sup>®</sup>	Average Thickness <sup>a</sup>	🗙 Area Covered <sup>®</sup>	Volume (T) <sup>b</sup>
						Total Grid Block	Block
						Volume (11-	
							001
Asbestos (suspected)	Comments:						
UCN-1886 (3.6-82) Approximate measurement in feet unless indicated Values for these entries are estimated.	in feet unless indicated otherwise. estimated.	Not determined. *Not applicable.	ined. ble.			Page 2	of 2

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	White Wing Scra	White Wing Scrap Yard (WWSY) Surface Debris Survey Form	face Debris Surv	ey Form			
WWSY Surface Debris Survey	Date: 6/9/92	Surveyors: R. C. Gosslee, V. P. Patania P. F. Tiner	Gosslee, V. P. Pat Tiner	ania	Grid Block ID: <u>81</u>	D: <u>81</u>	
ttem / Material			Length®	Width	Height	%Solid®	Volume (m <sup>3</sup> ) <sup>5</sup>
No debris observed (see comments)	lents)						
Small Scattered Debris in Localized Area Type of Material	ized Area	Percent <sup>b</sup>	Area Length <sup>®</sup>	Area Width <sup>®</sup>	Average Thickness <sup>®</sup>	% Area Covered®	Volume (m) <sup>b</sup>
						Total Grid Block	¥
						Volume (ît <sup>*</sup> ) <sup>6</sup>	C
							>
Asbestos (suspected)	Comments: Block very heavily covered with vegetation; no debris observed.	avily covered with ve	getation; no deb	nis observed.			
UCN-18866 (3.6-82) • Approximate measurement in feet unless indicated • Values for these entries are estimated.	in feet unless indicated otherwise. • estimated.		Not determined. Not applicable.			Page 1	of 1

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WWSY Surface Debris Survey	Date: 6/13/92	Surveyors: R. C. Gosslee, V. P. Patania	C. Gosslee, V. P. Patania		Grid Block ID: 88	D: 88	
item / Material			Length	Width	Height	🖌 Solid <sup>o</sup>	Votume (ft <sup>*</sup> ) <sup>b</sup>
Transite plate			12"	12"	1.5"	100	0.125
Metal cylinder			3"	3" diam	þ	100	0.012
Metal tray			4	3	2"	100	0.50
Asphatt chunk			2	4	1	100	8.00
Metal plate and metal debris			1.5	1.5	1/32"	100	0.006
Small Scattered Debris in Localized Area Type of Material	zed Area	Percent <sup>b</sup>	Area Length <sup>®</sup>	Area Wichtr <sup>®</sup>	Average Thickness <sup>®</sup>	% Area Covered®	Volume (m) <sup>b</sup>
Rubber Cloth-like material		50	N	7	÷	15	0.175
Metal Graphite Glass Bubber		25 25 25	35	35	-	80	81.7
Metal plate Debris			ю	ю	•	30 0.4 Total Grid Block Volume (ft <sup>*</sup> ) <sup>b</sup>	0.45 3kock ) <sup>b</sup> 91
Asbestos (suspected) <u>yes</u>	Comments: Barely accassible block. debris throughout block.	Comments: Barely accessible block. Heavy growth with briars and blackberry bushes-may have small debris throughout block.	h briars and	blackberry b	ushesmay h	lave small	
UCH-1886 (2.8-82) Annorminate measurement in feet unless indicated otherwise.	in feet unless indicated otherwise.	Plot determined	ined.				

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Page 1 of 1

<sup>4</sup> Approximate measurement in fect unless indicated otherwise. <sup>b</sup> Values for these entries are estimated.

"Not determined. "Not applicable.

	White Wing Scrap	White Wing Scrap Yard (WWSY) Surface Debris Survey Form	oris Survey H				
WWSY Surface Debris Survey	Date: 6/13/92	Surveyors: <u>R. C. Gosslee, V. P. Patania</u>	V. P. Patani	8	Grid Block ID: <u>95</u>	D: <u>95</u>	
ttem / Material			Length	Width®	i teight"	% Solid	Volume (m <sup>2</sup> ) <sup>b</sup>
Plexiglass plate			6"	6"	4.	100	0.021
Aluminum O-ring			2 diam	<b>5</b> °	q	80	0.002
Small Scattered Debris in Localized Area Type of Material	zed Area	Percent <sup>b</sup>	Area Length <sup>*</sup>	Area Width <sup>®</sup>	Average Thickness <sup>a</sup>	% Area Covered <sup>®</sup>	Volume (m <sup>3</sup> ) <sup>b</sup>
						Total Grid Block	Block
						Volume (It	)° 0.023
							0.0
Asbestos (suspected)	Comments: Heavily overgrown; c	Comments: Heavily overgrown; ground covered by vegetation: poison ivy, young trees, dead trees, pine needles, leaves, etc.	getation: poi	son iw, yo	ung trees, de:	ad trees, pin	
UCN-19666 (3.9-62) • Approximate measurement in feet unless indicated otherwise. • Values for these entries are estimated.	in fect unless indicated otherwise. estimated.	Not determined Not applicable.	ined. ble.			Page 1	o 1

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