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**Corporate Author**

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**Month/Day**

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**Description Notes**

### Exposure Coding

Using the following criteria- we propose to develop a systematic, exhaustive and mutually exclusive set of rules for applying a decision making procedure to describe the probability of exposure.

1. The following five general criteria are proposed

a. By special activity (M.O.S.)

eg. Ranchhand  
Perimeter sprayers  
Infantry vs non infantry  
Others Specified

b. By geographic location (for B.D. study only)

- i) general criteria 8x8 km grids: information is derived from R.H. HERBS tapes, SERVICES HERBS tapes, i.e. perimeter sprays and aborted missions, incidents and leaks.
- ii) for infantry - field units only-computer search
  - 2 km criteria, 3 days
  - 8 km criteria, 90 days
- iii) if not an infantry field unit - then location must be specified

c. By exposure based upon specific year spent in Vietnam.

Using consensus criteria derived from service experts on the relative degree of exposure by year, as follows: (scale 1-5)

Yr.	62	63	64	65	66	67	68	69	70	71	72	73	74
Level	1*	1*	2*	2*	3	5	5	4	2	1	0	0	0

\*Possible exposure to Agents purple, pink, green were localized. These agents were generally not used after 1965. First documented R.H. Orange missions were Aug 1965

*March*  
d. By duration of exposure - defined as "any contact" uniquely documented by R.H. mission files, services herbs files or other documentation.

e. By evidence of contact within a sprayed area, based upon quarterly ORLL reports (up to 90 days after a spraying)

2. Categorization of exposed into 5 probability categories (see following pages)

These categories include that the probability of exposure is extremely likely, most likely, probably likely, probably not likely, and extremely unlikely.

3. Individual Record Review'

A person will be put into one of five categories based upon his/her highest or most severe exposure category. If at any point category 2 (the worst exposure or extremely likely exposed) is chosen there is no need to go further.

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## Exposure extremely likely

1. Active in hand spraying operations
2. Documented missions by Ranch Hand personnel Helicopter pilots and all crews
3. Infantry field units (2km, 3 days)
4. "Rockpile people" (Marines)
5. Documented ground handling of drums (A.O.) and transport
6. Units operating in heavily sprayed areas  
Ground unit of 101st A.B. Division (by specified location)
7. Specified locations for infantry during heavy spray yrs 67-69

<ul style="list-style-type: none"> <li>A Shau Valley (67-70) (101st AB)</li> <li>Bien Hoa Prov (67-69)</li> <li>Binh Dinh Prov (68,69)</li> <li>Camp Evans (67-70)</li> <li>Camp Rodriguez (10/68)</li> <li>Cu Chi (66-69)</li> <li>Dien Khanh (68)</li> <li>Di An (10-12/68)</li> <li>Dinh Tuong (69)</li> <li>Fire support bases</li> <li>    LZ 's</li> <li>    Specified base camps</li> <li>Gia Dinh Prov (67)</li> <li>Kien Hoa (69)</li> <li>Kien Phang (69)</li> </ul>	} 1st Inf Division	<ul style="list-style-type: none"> <li>Long Binh Post (67-69)- except specified jobs (e.g. cook)</li> <li>Long Khanh (67)</li> <li>Lz Barbara (6/68)</li> <li>Ninh Hoa (68)</li> <li>Phu Loi (67-69), Field</li> <li>Phuoc Tuy (67)</li> <li>Phuoc Vinh (66-70)</li> <li>Tam Ky (69,70)</li> <li>Tay Ninh (68,69)</li> <li>L2 TRACY (4/69-7/69)</li> </ul>
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8. Bien Hoa AFB ~~td~~  
Spec. dumps & leaks (69,70)  
Perimeter Spray
9. Phu Cat A.B.  
Spray-RH missions (69,70)  
Perimeter sprays
10. Known to be located  
under an aborted mission e.g.  
Bien Hoa-July 67, Nov. 68

**Most Likely Exposed**

1. Advisors of ARVN Divisions
2. Special Forces camps -  
    A or B Teams (field personnel)
3. Field interrogators - Di An
4. Year specified service in infantry/COMBAT Arms within 8km, 90 days  
    An Khe - (67-70)  
    Bear Cat (67)  
    Camp JJ Carrol (67,68)  
    Cu Chi (1/70)  
    Dau Tieng (6/69-11/70)  
    Di An (66,67)  
    Dong Ha (12/67-3/68 (infantry))  
    Dong Tam (69,70)  
    Duc Pho (esp. Perimeter) (68,69)  
    FSB Tennessee (1/70-4/70)  
    Khe Sanh (12/67,68)  
    Long Binh storage facility (64-71)  
    Long Khanh (68,69,70)  
    Phan Rang (9-12/68,3-9/70)  
    Pleiku Prov (67-68) (field)  
    Quan Loi (10/67-10/68)  
    Tam Ky Area (67,68)  
    Xuan Loc (6/69-11/70)
5. Infantry field units (8km, 90 days)

## Probably Exposed\*

1. Exposed to perimeter spray operations
  - An Hoa (69,70)
  - An-Khe (65-66)
  - Camp Eagle (68,69)
  - Chu Lai (68,69) 67
  - Cu Chi (68,69)-Armored
  - Dong Ba Thinh (69,70)
  - Dong Ha (after 3/68)
  - Hai Van Pass (67,68)
  - LZ English (67,68)
  - Phu Loi (67,68)
  - Pleiku (68,69)
  - Quang Nam Province (67,68)  
(non RH sprays)
  - Quang Ngai Province (67,68)
  - Quang Tri Prov (68,69)
  - Thua Thien Prov (ex Naval Base) (        )
2. Non Infantry specified
  - Bien Hoa Air Force Base (        )
  - Camp Holloway, Pleiku (65,66)
  - Long Binh Post (66-70)
  - Pleiku (67-70)
3. Medical corpsman in the bush
4. Rescue helicopter missions  
(non-documented spray missions)  
- Binh Thuy (1/66-3/66)
5. Cooks (Army)(highest a cook can get)
6. Phu Cat A.B. (67,68)
7. Coast Guard Cutter (66)
8. Advisor MACV team (6/70-3/71)
9. Stevedore

\*Any individual exposed to unknown spray within 2k minimally gets PE.

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## Probably not Exposed

1. Stationed in Vietnam after 4/70 and before 12/70, if no specific information available.
2. Non infantry stationed at other (see P.E.) bases with perimeter specified—spraying Bien Hoa (66)
3. Armored units specified  
69th Armored, B Company 1st BTN, 4th Infantry Division  
3rd Squadron, 5th Cav, 9th Inf. Division
4. Ambiguous or no information defining "definitely not exposed"
5. Year specified service in:
  - Cat Lai (67)
  - Gia Le (11/69-11/70)
  - Long Binh (70)
  - Phan Rang (other than 9-12/68, 3-9/70)
  - Pleiku (65)
  - Qui Nhon (67-70)

## Specified Jobs:

6. Administrative Specialist
  - Cook
    - Long Binh Post 67-69      Phu Hiep (68,69)
    - Pleiku A.B. (67)
  - Clerk Typist
    - Bien Hoa (9/69-4/71)
  - Order of Battle Officer
    - Pleiku AB (68)
7. Company clerks (Army, combat arms)
  - Duc Pho (68,69)
8. Non Infantry
  - eg. Flight Line mechanics
9. Medical Corpsman
  - Tan Son Nhut AFB (68,69)
10. Surgeon
  - Quang Nam Province (69)
11. FIRE FIGHTER
  - SAIGON (7/67 - 3/68)

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## Exposure extremely unlikely

## 1. Year specified service in:

Bien Hoa (69-71) - Rock quarry only  
 Cam Ranh Bay (67-70)  
 Can Tho (67,68,69)  
 Chau Doc (68,69)  
 Danang City (62-70)  
 Dong Ba Thin (12/65- 7/66)  
 Nha Trang (62-71)  
 Ninh Hoa (12/65-7/66)  
 Phu Bai (inside city) (69,70)  
 Phu Tai (69)  
 Phu Tanh (67)  
 Phui Tai Valley (65,66)  
 Pleiku (70)  
 Qui Nhon (65,66)  
 Tan Son Nhut AFB (67,68,69) ← tuy HQA AFB (9/67-9/68)  
 Vung Tau (62, 64, 66-70)

## 2. In Vietnam after 12/70 (Approx. 29 helicopter missions thru 9/70; approx 18 S.H. missions thru 8/70)

## 3. Assigned outside RVN

Guam           Thailand  
 Korea       Phillipines  
 Other Specified

4. Personnel offshore  
(crew members)

## 5. Saigon Metropolitan Area

6. Pilots and crew members  
(Air Force and Navy)  
Flying fixed wing cargo planes  
(without other specified information)7. Controlled environments specified  
Army Security  
Graves Registration  
Headquarters Co. - pay specialist  
Senior Records Clerk  
Surgeon (8/69-8/70)8. A.F. Cooks  
Pleiku (67)9. In Vietnam prior to use of Agent Orange - August 1965 - R. H. Tape  
- Dec 1965 - S.H. Tape



11/4

A Shau Valley (67-70) (101st AB)	2
An Hoa (69,70)	4
An Khe (65-66)	4
An Khe (67-70)	3
Bear Cat (67)	3
Bien Hoa (66)	5
Bien Hoa (69-71) - rock quarry only	6
Bien Hoa (9/69-4/71)	5
Bien Hoa (7/67-11/68)-aborted RH mission	2
Bien Hoa AFB	2
Specified dumps & leaks (69,70)	2
Perimeter spray	2
Bien Hoa AFB-non infantry specified ( )	4
Bien Hoa Prov (67-69)	2
Binh Dinh Prov (68,69)	2
Binh Thuy (1/66-3/66)	4
Cam Ranh Bay (67-70)	6
Camp Eagle (68,69)	4
Camp Evans (67,68,69,70)	2
Camp Holloway, Pleiku (65,66)	4
Camp J. J. Carrol (67, 68)	3
Camp Rodrigues (10/68)	2
Can Tho (67,68,69)	6
Cat Lai (67)	5
Chau Doc (68,69)	6
Chu Lai (68,69) <del>67</del>	4
Cu Chi (1/70)	3
Cu Chi (66,69)	2
Cu Chi (68,69) - Armored	4
Danang City (62-70)	6
Dau Tieng (6/69-11/70)	3
Dien Kanh (68)	2
Di An (10-12/68)	2
Di An (66,67)	3
Dinh Tuong (69)	2
Dong Ba Thinh (69,70) <del>5</del>	4
Dong Ba Thinh (12/67-7/66)	6
Dong Ha (12/67-3/68) (Infantry)	3
Dong Ha (after 3/68)	4
Dong Tam (69,70)	3
Duc Pho (esp. perimeter) (68,69)	3
Duc Pho-Company Clerks (68,69)	5
FSB Tennessee (1/70-4/70)	3
Fire support bases-1st Inf. Division	2
Gia Dinh Prov	2
Gia Le (11/69-11/70)	5
Guam	6
Hai Van Pass (67,68)	4
Khe Sanh (12/67,68)	3
Kien Hoa (69)	2
Kien Kanh	2
Kien Phang (69)	2
Korea	6

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LZ English (67,68)	4
LZ's-1st Inf. Division	2
Long Binh (70)	5
Long Binh Post (66,67,69,70) (non infantry specified)	4
Long Binh Post (67-68)-cook	5
Long Binh Post (67-69) (except specified jobs e.g. cook)	2
Long Binh storage facility (64-71)	3
Long Khanh (67)	2
Long Khanh (68-70)	3
Lz Barbara (6/68)	2
Nha Trang (62-71)	6
Ninh Hoa (12/65-7/66)	6
Ninh Hoa (68)	2
Phan Rang (9-12/68,3-9/70)	3
Phan Rang (Other than 9-12/68,3-9/70)	5
Phillipines	6
Phu Bai (inside city) (69,70)	6
Phu Cat A.B. (67,68)	4
Phu Cat A.B. (69,70) (Spray-RH missions)	2
Phu Loi (67,68)	4
Phu Loi (67-69) Field	2
Phu Tai (69)	6
Phu Tanh (67)	6
Phui Tai Valley (65,66)	6
Phuoc Tuy (67)	2
Phuoc Vinh (66-70)	2
Pleiku (65)	5
Pleiku (67) A F Cooks	6
Pleiku (67-70)	4
Pleiku (68, 69) Perimeter spraying	4
Pleiku (70)	6
Pleiku AB (68)	5
Pleiku Prov (67-68) (field)	3
Quan Loi (10/67-10/68)	3
Quang Nam Province (67,68)(non RH Sprays)	4
Quang Nam Province (69)	5
Quang Ngai Province (67,68)	4
Quang Tri Prov (68,69)	4
Qui Nhon (65,66)	6
Qui Nhon (67-70)	5
Specified base camps-1st Inf. Division	2
Tam Ky (69,70)	2
Tam Ky area (67,68)	3
Tan Son Nhut AFB (68,69)-Specified jobs	5
Tan Son Nhut AFB (67,68,69)	6
Tay Ninh (68, 69)	2
Thailand	6
Thua Thien Prov (Except Naval Base) ( )	4
Vung Tau (62, 64, 66-70)	6
Xuanloc (6/69-11/70)	3

~~9-07-03~~

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A Shau Valley (67-70) (101st AB)	2
Bien Hoa (7/67-11/68)-aborted RH mission	2
Bien Hoa AFB	2
Specified dumps & leaks (69,70)	2
Perimeter spray	2
Bien Hoa Prov (67-69)	2
Binh Dinh Prov (68,69)	2
Camp Evans (67,68,69,70)	2
Camp Rodrigues (10/68)	2
Cu Chi (66,69)	2
Di An (10-12/68)	2
Dien Khanh (68)	2
Dinh Tuong (69)	2
Fire support bases-1st Inf. Division	2
Gia Dinh Prov	2
Kien Hoa (69)	2
Kien Khanh	2
Kien Phang (69)	2
LZ's-1st Inf. Division	2
Long Binh Post (67-69)	2
(except specified jobs e.g. cook)	
Long Khanh (67)	2
Lz Barbara (6/68)	2
Ninh Hoa (68)	2
Phu Cat A.B. (69,70)	2
(Spray-RH missions)	
Phu Loi (67-69) Field	2
Phuoc Tuy (67)	2
Phuoc Vinh (66-70)	2
Specified base camps-1st Inf. Division	2
Tam Ky (69,70)	2
Tay Ninh (68, 69)	2
An Khe (67-70)	3
Bear Cat (67)	3
Camp J. J. Carrol (67, 68)	3
Cu Chi (1/70)	3
Dau Tieng (6/69-11/70)	3
Di An (66,67)	3
Dong Ha (12/67-3/68) (Infantry)	3
Dong Tam (69,70)	3
Duc Pho (esp. perimeter) (68,69)	3
FSB Tennessee (1/70-4/70)	3
Khe Sanh (12/67,68)	3
Long Binh storage facility (64-71)	3
Long Khanh (68-70)	3
Phan Rang (9-12/68,3-9/70)	3
Pleiku Prov (67-68) (field)	3
Quan Loi (10/67-10/68)	3
Tam Ky area (67,68)	3
Xuanloc (6/69-11/70)	3

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An Hoa (69,70)	4
An Khe (65-66)	4
Bien Hoa AFB-non infantry specified ( )	4
Binh Thuy (1/66-3/66)	4
Camp Eagle (68,69)	4
Camp Holloway, Pleiku (65,66)	4
Chu Lai (68,69) 67	4
Cu Chi (68,69) - Armored	4
Dong Ba Thinh (69,70)	4
Dong Ha (after 3/68)	4
Hai Van Pass (67,68)	4
LZ English (67,68)	4
Long Binh Post (66,67,69,70)	4
(non infantry specified)	
Phu Cat A.B. (67,68)	4
Phu Loi (67,68)	4
Pleiku (67-70)	4
Pleiku (68, 69) Perimeter spraying	4
Quang Nam Province (67,68)(non RH Sprays)	4
Quang Ngai Province (67,68)	4
Quang Tri Prov (68,69)	4
Thua Thien Prov (Except Naval Base) ( )	4
Bien Hoa (66)	5
Bien Hoa (9/69-4/71)	5
Cat Lai (67)	5
Duc Pho-Company Clerks (68,69)	5
Long Binh (70)	5
Long Binh Post (67-68)-cook	5
Phan Rang (Other than 9-12/68,3-9/70)	5
Pleiku (65)	5
Pleiku AB (68)	5
Quang Nam Province (69)	5
Qui Nhon (67-70)	5
Tan Son Nhut AFB (68,69)-Specified jobs	5
Gia Le (11/69-11/70)	5
Bien Hoa (69-71) - rock quarry only	6
Cam Ranh Bay (67-70)	6
Can Tho (67,68,69)	6
Chau Doc (68,69)	6
Danang City (62-70) 5	6
Dong Ba Thinh (12/68-7/66)	6
Guam	6
Korea	6
Nha Trang (62-71)	6
Ninh Hoa (12/65-7/66)	6
Phillipines	6
Phu Bai (inside city) (69,70)	6
Phu Tai (69)	6

Phu Tanh (67)	6
Phui Tai Valley (65,66)	6
Pleiku (67) A F Cooks	6
Pleiku (70)	6
Qui Nhon (65,66)	6
Tan Son Nhut AFB (67,68,69)	6
Thailand	6
Vung Tau (62, 64, 66-70)	6

DRAFT

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8-19-83

DOD EXPOSURE FILE

VARIABLE NAME	RANGE & DEFINITION	COLUMNS
WESID EXPLVL	2-6 Exposure Level: 2 = Exposure extremely likely 3 = Most likely exposed 4 = Probably exposed 5 = Probably not exposed 6 = Exposure extremely unlikely	1-5 10
REASON	1-99 = to reason # on the page	14-15
HIT2K	0-2 0 = Search not done 1 = Hit 2 = No hit	20
HIT8K	0-2 0 = Search not done 1 = Hit 2 = No hit	25
LSOURCE	1-3 1 = DOD 2 = Vet 3 = Spouse	30
RECRVST	Record Status b = Sent to DOD, but not returned 1 = Returned, but not processed 2 = Processed 3 = Under Review in D.C. 4 = Service Record Not Found by DOD 5 = Records Unavailable 6 = Service Record Found by DOD - No Vietnam Service 7 = Armed Service not confirmed 8 = Service record found by DOD - Insufficient Information for DOD to Classify Exposure	35
WHOSENT	1-2 1 = Dad 2 = Mom	50
WHOSAID	1-2 1 = Dad 2 = Mom	55
NRM	Non-redundant mother flag. (Comment generated)	60-70