

# Line-point Intercept Data Form

Page 1 of       

Shaded cells for calculations

Plot: Reference Line #: 1 Observer: C.M. Recorder: C.M.

N 35°18'48.54" Direction: 260° Date: 11/24/10 Intercept (Point) Spacing Interval =        cm (24 in)

W 120°41'13.16"

Pt.	Top layer	Lower layers			Soil surface	Pt.	Top layer	Lower layers			Soil surface
		Code 1	Code 2	Code 3				Code 1	Code 2	Code 3	
1	None	L			S	26	AG	L			S
2	None	L			S	27	AG	L			S
3	AG	L			S	28	AG	L			S
4	AG	L			S	29	AG	L			S
5	NAPU				NAPU	30	AG	L			S
6	AG	L			S	31	AG	L			S
7	AG				S	32	AG	L			S
8	AG	L			S	33	NAPU	L			NAPU
9	AG	L			S	34	AG	L			S
10	AG	L			S	35	AG	L			S
11	AG	L			S	36	NAPU	AG	L		S
12	AG	L			S	37	AG	L			S
13	NAPU	AG	L		S	38	AG	L			S
14	None	L			S	39	NAPU	AG	L		S
15	AG	L			S	40	AG	L			S
16	AG	L			S	41	AG	L			S
17	AG	L			S	42	AG	L			S
18	AG				S	43	AG	L			S
19	AG	L			S	44	AG	L			S
20	AG	L			S	45	AG	L			S
21	AG	L			S	46	AG	L			S
22	AG	L			S	47	AG	L			S
23	AG	L			S	48	AG	L			S
24	AG	L			S	49	AG	L			S
25	AG	L			S	50	AG	L			S

% foliar cover = 47 top layer pts (1st col) x 2 = 94 %

% bare ground\* = 3 pts (w/NONE over S) x 2 = 6 %

% basal cover = 2 plant base pts (last col) x 2 = 4 %

**Top layer codes:** Species code, common name, or NONE (no cover).

**Lower layers codes:** Species code, common name, L (herbaceous litter), WL (woody litter, >5 mm (~1/4 in) diameter).

## Unknown

### Species Codes:

AF# = annual forb  
PF# = perennial forb  
AG# = annual  
graminoid  
PG# = perennial  
graminoid  
SH# = shrub  
TR# = tree

## Soil Surface (do not use litter):

Species Code (for basal intercept)

R = rock fragment (>5 mm (~1/4 in) diameter)  
BR = bedrock, M = moss  
LC = visible biotic crust on soil  
S = soil without any other soil surface code  
EL = embedded litter (see page 10)  
D = duff

\*Bare ground occurs ONLY when Top layer = NONE, Lower layers are empty (no L), and Soil surface = S.

# Line-point Intercept Data Form

Page 2 of       

Shaded cells for calculations

Plot: Reference Line #: 2 Observer: CM Recorder: CM

Direction: 205° Date: 11/24/10 Intercept (Point) Spacing Interval =        cm (24 in)

Pt.	Top layer	Lower layers			Soil surface	Pt.	Top layer	Lower layers			Soil surface
		Code 1	Code 2	Code 3				Code 1	Code 2	Code 3	
1	AG	L			S	26	AG	L			S
2	AG	L			S	27	AG	L			S
3	AG	L			S	28	NAPU	AG	L		S
4	NAPU	L			NAPU	29	AG	L			S
5	AG	L			S	30	NAPU	AG	L		S
6	AG	L			S	31	AG	L			S
7	AG	L			S	32	"	"			"
8	AG	L			S	33	"	"			"
9	AG	L			S	34	"	"			"
10	AG	L			S	35	NAPU	AG	L		S
11	AG	L			S	36	AG	L			S
12	NAPU	AG	L		S	37	NAPU	AG	L		S
13	AG	L			S	38	AG	L			S
14	NAPU	AG	L		S	39	"	"			"
15	AG	L			S	40	"	"			"
16	AG	L			S	41	NAPU	AG	L		S
17	AG	L			S	42	AG	L			S
18	AG	L			S	43	AG	L			S
19	AG	L			S	44	NAPU	AG	L		S
20	AG	L			S	45	AG	L			S
21	AG	L			S	46	AG	L			S
22	AG	L			S	47	AG	L			S
23	AG	L			S	48	NAPU	AG	L		S
24	AG	L			S	49	AG	L			S
25	NAPU	AG	L		S	50	AG	L			S

% foliar cover = 50 top layer pts (1st col) x 2 = 100 %

% bare ground\* = 0 pts (w/NONE over S) x 2 = 0 %

% basal cover = 1 plant base pts (last col) x 2 = 2 %

**Top layer codes:** Species code, common name, or NONE (no cover).

**Lower layers codes:** Species code, common name, L (herbaceous litter), WL (woody litter, >5 mm (~1/4 in) diameter).

## Unknown Species Codes:

AF# = annual forb  
PF# = perennial forb  
AG# = annual graminoid  
PG# = perennial graminoid  
SH# = shrub  
TR# = tree

## Soil Surface (do not use litter):

Species Code (for basal intercept)  
R = rock fragment (>5 mm (~1/4 in) diameter)  
BR = bedrock, M = moss  
LC = visible biotic crust on soil  
S = soil without any other soil surface code  
EL = embedded litter (see page 10)  
D = duff

\*Bare ground occurs ONLY when Top layer = NONE, Lower layers are empty (no L), and Soil surface = S.

# Line-point Intercept Data Form

Page 3 of 3

Shaded cells for calculations

N35°18'49.60" Plot: Reference Line #: 3 Observer: CM Recorder: CM  
W120°41'13.12" Direction: 80° Date: 11/24/10 Intercept (Point) Spacing Interval =      cm ( 12 in)

Pt.	Top layer	Lower layers			Soil surface	Pt.	Top layer	Lower layers			Soil surface
		Code 1	Code 2	Code 3				Code 1	Code 2	Code 3	
1	ERMO	L			S	26	AG	ERMO			S
2	AG				S	27	N				S
3	N	L			S	28	ERMO	AG			S
4	N				S	29	ERMO	L			S
5	AG				S	30	N				S
6	ERMO				S	31	N				S
7	AG				S	32	AG	L			S
8	N	L			S	33	AG	L			S
9	AG	L			S	34	ERMO				S
10	N				S	35	AF				S
11	AG	L			S	36	ERMO				S
12	N	L			S	37	ERMO				S
13	N	L			S	38	ERMO	L			S
14	ERMO				S	39	ERMO	L			S
15	N	L			S	40	N	L			S
16	N				S	41	ERMO	L			S
17	N				S	42	dove				S
18	N				S	43	ERMO				S
19	AG	L			S	44	ERMO	L			S
20	N				S	45	N	L			S
21	N				S	46	N	L			S
22	ERMO				S	47	N	L			S
23	AG				S	48	N				S
24	AG	L			S	49	N				S
25	AG	L			S	50	N				S

% foliar cover = 28 top layer pts (1st col) x 2 = 56 %  
% bare ground\* = 22 pts (w/NONE over S) x 2 = 44 %  
% basal cover = 0 plant base pts (last col) x 2 = 0 %

**Top layer codes:** Species code, common name, or NONE (no cover).

**Lower layers codes:** Species code, common name, L (herbaceous litter), WL (woody litter, >5 mm (~1/4 in) diameter).

## Unknown Species Codes:

AF# = annual forb  
PF# = perennial forb  
AG# = annual  
graminoid  
PG# = perennial  
graminoid  
SH# = shrub  
TR# = tree

## Soil Surface (do not use litter):

Species Code (for basal intercept)  
R = rock fragment (>5 mm (~1/4 in) diameter)  
BR = bedrock, M = moss  
LC = visible biotic crust on soil  
S = soil without any other soil surface code  
EL = embedded litter (see page 10)  
D = duff

\*Bare ground occurs ONLY when Top layer = NONE, Lower layers are empty (no L), and Soil surface = S.



# Line-point Intercept Data Form

Page \_\_\_\_\_ of \_\_\_\_\_

Shaded cells for calculations

Plot: 4 Line #: \_\_\_\_\_ Observer: CM Recorder: CM

N 35° 18' 45.66"  
W 120° 41' 3.42" Direction: 30° Date: 12/11/10 Intercept (Point) Spacing Interval = \_\_\_\_\_ cm (12 in)

Pt.	Top layer	Lower layers			Soil surface	Pt.	Top layer	Lower layers			Soil surface
		Code 1	Code 2	Code 3				Code 1	Code 2	Code 3	
1	AG	L			S	26	AG	L			S
2	AG	L			S	27					
3	AG	L			S	28					
4	AG	L			S	29					
5	AG	L			S	30					
6	AG	L			S	31					
7	AG	L			S	32					
8	AG	L			S	33					
9	PHAQ	AG	L		PHAQ	34					
10	AG				S	35					
11	NAPU				NAPU	36					
12	AG	L			S	37					
13	AG	L			S	38					
14	AG	L			S	39					
15	PHAQ	AG	L		PHAQ	40					
16	None				S	41					
17	AG	L			S	42					
18	AG	L			S	43					
19	AG	L			S	44					
20	AG	L			S	45					
21	AG	L			S	46	↓	↓			↓
22	None				S	47	PHAQ	AG	L		PHAQ
23	AG				S	48	AG	L			S
24	AG	L			S	49	AG	L			S
25	None				S	50	AG	L			S

% foliar cover = 47 top layer pts (1st col) x 2 = 94 %  
 % bare ground\* = 3 pts (w/NONE over S) x 2 = 6 %  
 % basal cover = 4 plant base pts (last col) x 2 = 8 %

**Top layer codes:** Species code, common name, or NONE (no cover).

**Lower layers codes:** Species code, common name, L (herbaceous litter), WL (woody litter, >5 mm (~1/4 in) diameter).

## Unknown Species Codes:

AF# = annual forb  
 PF# = perennial forb  
 AG# = annual  
     graminoid  
 PG# = perennial  
     graminoid  
 SH# = shrub  
 TR# = tree

## Soil Surface (do not use litter):

Species Code (for basal intercept)  
 R = rock fragment (>5 mm (~1/4 in) diameter)  
 BR = bedrock, M = moss  
 LC = visible biotic crust on soil  
 S = soil without any other soil surface code  
 EL = embedded litter (see page 10)  
 D = duff

\*Bare ground occurs ONLY when Top layer = NONE, Lower layers are empty (no L), and Soil surface = S.

# Line-point Intercept Data Form

Page \_\_\_\_\_ of \_\_\_\_\_ N35°18'47.40" ±13ft  
 Plot: 2 Line #: \_\_\_\_\_ Observer: CM Recorder: CM  
 Direction: 190° Date: 12/10/10 Intercept (Point) Spacing Interval = \_\_\_\_\_ cm (12 in)

Shaded cells for calculations

Pt.	Top layer	Lower layers			Soil surface	Pt.	Top layer	Lower layers			Soil surface
		Code 1	Code 2	Code 3				Code 1	Code 2	Code 3	
1	AG	L			S	26	None				S
2	None				S	27	AG				S
3	None				S	28	AG				S
4	poop	L			S	29	None	L			R
5	AG	L			S	30	None	L			S
6	None				S	31	AG	L			S
7	None	L			S	32	None	L			S
8	None				S	33	AG				S
9	None				S	34	AG	L			D
10	AG				S	35	AG				S
11	AG				S	36	None	L			D
12	BRNT	AG	L		R	37	None				S
13	None	L			S	38	AG	L			S
14	AG				S	39	AG				S
15	None	L			R	40	None	L			S
16	NAPU	L			NAPU	41	None				D
17	AG	L			S	42	None				S
18	None	L			EL	43	AG	L			S
19	None	L			S	44	AG	L			S
20	AG	L			S	45	AG	L			S
21	NAPU	L			NAPU	46	AG	L			S
22	None	L			S	47	AG				S
23	AG	L			S	48	AG				S
24	None				S	49	AG	L			S
25	None				S	50	AG	L			S

% foliar cover = 28 top layer pts (1st col) x 2 = 56 %

% bare ground\* = 11 pts (w/NONE over S) x 2 = 22 %

% basal cover = 2 plant base pts (last col) x 2 = 4 %

**Top layer codes:** Species code, common name, or NONE (no cover).

**Lower layers codes:** Species code, common name, L (herbaceous litter), WL (woody litter, >5 mm (~1/4 in) diameter).

## Unknown

### Species Codes:

AF# = annual forb  
 PF# = perennial forb  
 AG# = annual graminoid  
 PG# = perennial graminoid  
 SH# = shrub  
 TR# = tree

## Soil Surface (do not use litter):

Species Code (for basal intercept)

R = rock fragment (>5 mm (~1/4 in) diameter)  
 BR = bedrock, M = moss  
 LC = visible biotic crust on soil  
 S = soil without any other soil surface code  
 EL = embedded litter (see page 10)  
 D = duff

\*Bare ground occurs ONLY when Top layer = NONE, Lower layers are empty (no L), and Soil surface = S.

# Line-point Intercept Data Form

Page \_\_\_\_\_ of \_\_\_\_\_

Shaded cells for calculations

Plot: 3 Line #: 1 Observer: CM Recorder: CM

N 35° 18' 53.38"  
W 120° 41' 7.99"

Direction: 80° Date: 11/24/10 Intercept (Point) Spacing Interval = \_\_\_\_\_ cm (12 in)

Pt.	Top layer	Lower layers			Soil surface	Pt.	Top layer	Lower layers			Soil surface
		Code 1	Code 2	Code 3				Code 1	Code 2	Code 3	
1	AG	L			S	26	AG	L			S
2	FOVU	AG	L		S	27	AG	L			S
3	AG	L			S	28	NAPU	AG	L		S
4						29	AG	L			S
5						30					
6						31					
7						32	NAPU	AG	L		S
8						33	AG	L			S
9						34					
10						35					
11	N	L			S	36					
12	N				S	37	N	gophers			S
13	AG	L			S	38	NAPU	L			NAPU
14						39	AG	L			S
15						40					
16						41					
17	N	gophers			S	42					
18						43					
19						44					
20	AG				S	45					
21	AG	L			S	46					
22						47					
23						48					
24	FOVU	AG	L		S	49					
25	AG	L			S	50	NAPU	L			S

% foliar cover = 44 top layer pts (1st col) x 2 = 88 %

% bare ground\* = 5 pts (w/NONE over S) x 2 = 10 %

% basal cover = 1 plant base pts (last col) x 2 = 2 %

**Top layer codes:** Species code, common name, or NONE (no cover).

**Lower layers codes:** Species code, common name, L (herbaceous litter), WL (woody litter, >5 mm (~1/4 in) diameter).

## Unknown Species Codes:

AF# = annual forb  
PF# = perennial forb  
AG# = annual graminoid  
PG# = perennial graminoid  
SH# = shrub  
TR# = tree

## Soil Surface (do not use litter):

Species Code (for basal intercept)

R = rock fragment (>5 mm (~1/4 in) diameter)  
BR = bedrock, M = moss  
LC = visible biotic crust on soil  
S = soil without any other soil surface code  
EL = embedded litter (see page 10)  
D = duff

\*Bare ground occurs ONLY when Top layer = NONE, Lower layers are empty (no L), and Soil surface = S.



# Line-point Intercept Data Form

Page \_\_\_\_\_ of \_\_\_\_\_

Shaded cells for calculations

N 35° 18' 52.91" Plot: 4 Line #: 1 Observer: CM Recorder: CM  
W 120° 41' 9.23" Direction: 144° Date: 12/11/10 Intercept (Point) Spacing Interval = \_\_\_\_\_ cm (12 in)  
± 11 ft

Pt.	Top layer	Lower layers			Soil surface	Pt.	Top layer	Lower layers			Soil surface
		Code 1	Code 2	Code 3				Code 1	Code 2	Code 3	
1	AG	L			S	26	ERMO	AG	L		S
2	NAPU	L			S	27	None				S
3	AG	L			S	28	AG	L			S
4	NAPU	AG	L		S	29	None				S
5	AG	L			S	30	AG				S
6	AG	L			S	31	NAPU	AG	L		S
7	AG	L			S	32	AG	L			S
8	AG	L			S	33	AG	L			S
9	AG	L			S	34	AG	L			S
10	NAPU	AG	L		S	35	PLLA				PLLA
11	AG	L			S	36	PLLA	AG	L		S
12	AG	L			S	37	PLLA	AG	L		S
13	AG	L			S	38	AG	L			S
14	AG	L			S	39	PLLA	AG	L		S
15	AG	L			S	40	AG	L			S
16	NAPU	AG	L		S	41	PLLA	AG	L		S
17	AG	L			S	42	AG	L			S
18	AG	L			S	43	AG				S
19	AG	L			R	44	None				S
20	CESO				S	45	AG	L			S
21	NAPU	AG	L		S	46	AG				S
22	AG	L			S	47	AG	L			S
23	CESO	AG	L		S	48	AG	L			S
24	AG	L			S	49	AG	L			S
25	AG	L			S	50	AG	L			S

% foliar cover = 47 top layer pts (1st col) x 2 = 94 %  
% bare ground\* = 3 pts (w/NONE over S) x 2 = 6 %  
% basal cover = 1 plant base pts (last col) x 2 = 2 %

**Top layer codes:** Species code, common name, or NONE (no cover).

**Lower layers codes:** Species code, common name, L (herbaceous litter), WL (woody litter, >5 mm (~1/4 in) diameter).

## Unknown Species Codes:

AF# = annual forb  
PF# = perennial forb  
AG# = annual graminoid  
PG# = perennial graminoid  
SH# = shrub  
TR# = tree

## Soil Surface (do not use litter):

Species Code (for basal intercept)  
R = rock fragment (>5 mm (~1/4 in) diameter)  
BR = bedrock, M = moss  
LC = visible biotic crust on soil  
S = soil without any other soil surface code  
EL = embedded litter (see page 10)  
D = duff

\*Bare ground occurs ONLY when Top layer = NONE, Lower layers are empty (no L), and Soil surface = S.

# Line-point Intercept Data Form

Page \_\_\_\_\_ of \_\_\_\_\_

Shaded cells for calculations

Plot: 5 Line #: 1 Observer: CM Recorder: CM  
 Direction: 200° Date: 11/24/10 Intercept (Point) Spacing Interval = \_\_\_\_\_ cm (12 in)

N 35° 18' 46.97"  
 W 120° 41' 8.96"

Pt.	Top layer	Lower layers			Soil surface	Pt.	Top layer	Lower layers			Soil surface
		Code 1	Code 2	Code 3				Code 1	Code 2	Code 3	
1	AG	L			S	26	AG	L			S
2	PIEC.	AG	L		S	27	AG	L			S
3	AG	L			S	28	N				S
4						29	AG	L			S
5						30					
6						31					
7						32					
8						33					
9						34					
10						35					
11						36					
12						37					
13						38					
14						39	✓				✓
15						40	PIEC				S
16						41	AG	L			S
17						42	11	11			11
18						43	21	11			11
19						44	NAPU	L			NAPU
20						45	AG	L			S
21	✓	✓			✓	46					
22	N				S	47					
23	AG	L			S	48					
24	AG	L			S	49					
25	NAPU	AG	L		S	50	✓	✓			✓

% foliar cover = 48 top layer pts (1st col) x 2 = 96 %  
 % bare ground\* = 2 pts (w/NONE over S) x 2 = 4 %  
 % basal cover = 1 plant base pts (last col) x 2 = 2 %

**Top layer codes:** Species code, common name, or NONE (no cover).

**Lower layers codes:** Species code, common name, L (herbaceous litter), WL (woody litter, >5 mm (~1/4 in) diameter).

## Unknown

### Species Codes:

AF# = annual forb  
 PF# = perennial forb  
 AG# = annual  
 graminoid  
 PG# = perennial  
 graminoid  
 SH# = shrub  
 TR# = tree

## Soil Surface (do not use litter):

Species Code (for basal intercept)

R = rock fragment (>5 mm (~1/4 in) diameter)  
 BR = bedrock, M = moss  
 LC = visible biotic crust on soil  
 S = soil without any other soil surface code  
 EL = embedded litter (see page 10)  
 D = duff

\*Bare ground occurs ONLY when Top layer = NONE, Lower layers are empty (no L), and Soil surface = S.