VISIT LOG

Site Name: _____ **Date:**_____

Group Name: _____ **Season:** _____

Start Time: _____ **Total Time Elapsed:** _____

End Time: _____

1. Identify which survey is being conducted. (Check one)

❑ BUS **OR** ❑ BLOCK

2. If a BLOCK is being conducted, identify which Target Organism is being monitored (check one)

❑ Birds ❑ Butterflies ❑ Mushrooms & Other Fungi

❑ Rove & Carrion Beetles ❑ Snails & Slugs ❑ Tiger Beetles ❑ Tree Health

3. Names of Monitors: Please list your group leader or teacher first.

_____

_____

_____

4. Weather Conditions Today

PRECIPITATION	TEMPERATURE	SKY CONDITIONS	WIND
__None	_____High for monitoring day (F)	__Clear	__Calm
__Light	_____Low for monitoring day (F)	__Partly cloudy	__Light breeze
__Moderate	_____Monitoring temperature (F)	__Overcast	__Windy
__Heavy			

5. Weather Conditions Yesterday

PRECIPITATION	TEMPERATURE	SKY CONDITIONS	WIND
__None	_____High for day (F)	__Clear	__Calm
__Light	_____Low for day (F)	__Partly cloudy	__Light breeze
__Moderate		__Overcast	__Windy
__Heavy			

6. Weather Conditions Compared to the Average for this Time of Year (use almanac or newspaper)

Actual Precipitation for monitoring month to date:	Average Precipitation for monitoring month to date:	Average Temperatures on this date:
_____inches	_____inches	_____ Average High (F)
		_____ Average Low (F)

BUS TAXA DATA SHEET

Site Name: _____ **Date:** _____

Group Name: _____ **Season:** _____

Start Time: _____ **Total Time Elapsed:** _____

End Time: _____

BUS Data

In the chart below, record the codes of all BUS taxa in the order in which they were found.

Taxa code →															
Sequence order →	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150

Other taxa found/ Notes:

BIODIVERSITY TAXA CHECKLIST

Once you have completed the BUS Taxa Data Sheet, complete this form. This checklist is a simple way to find out how many different taxa were found at your site.

1. Place a ✔ next to the taxa that were found during the BUS. Only one ✔ is needed per line; this is not a tally system.

2. When all of the taxa are accounted for, count the number of ✔ s and write the total at the bottom of this page. This number will be used to calculate the Taxa Richness Index (DI_T).

CODE	SPECIES	PRESENT
AMPHIBIANS & REPTILES		
A1	Frog	
A2	Snake	
A3	Toad	
A4	Turtle	
BIRDS		
B1	Red-winged Blackbird	
B2	Blue Jay	
B3	Northern Cardinal	
B4	Chickadee	
B5	Common Crow	
B6	Mourning Dove	
B7	American Goldfinch	
B8	Common Grackle	
B9	American Robin	
B10	Swallow	
B11	Woodpecker	
FUNGI		
F1	Bracket Fungus	
F2	Cup Fungus	
F3	Morel	
F4	Mushrooms	
F5	Puff Ball	
INSECTS AND ARACHNIDS		
I1	Bumble Bee	
I2	Carrion Beetle	
I3	False Stag Beetle	
I4	Tiger Beetle	
I5	American Copper Butterfly	
I6	Angle Wing Butterfly	
I7	Monarch Butterfly	
I8	Mourning Cloak Butterfly	
I9	Painted Lady Butterfly	
I10	Sulphur Butterfly	
Ill	Swallowtail Butterfly	
I12	Dog Day Cicada	
I13	Daddy-long-legs	
I14	Grasshopper	
I15	Garden Spider	
I16	Sheetweb Spider	
I17	Spittlebug	

CODE	SPECIES	PRESENT
MAMMALS		
M1	Chipmunk	
M2	Coyote	
M3	Fox	
M4	Mole	
M5	Opossum	
M6	Rabbit	
M7	Raccoon	
M8	Squirrel	
M9	White-tailed Deer	
M10	Woodchuck	
PLANTS		
P1	Aster	
P2	Cinquefoil	
P3	Coneflower	
P4	Fleabane	
P5	Goldenrod	
P6	Mayapple	
P7	Milkweed	
P8	Monarda	
P9	Spring Beauty	
P10	Sunflower	
P11	Trillium	
P12	Virginia Bluebells	
SNAILS AND SLUGS		
S1	Slug	
S2	Cone-Shaped Snail	
S3	Disc-Shaped Snail	
TREES		
T1	Ash	
T2	Cottonwood	
T3	Crab Apple	
T4	Elm	
T5	Hackberry	
T6	Hawthorn	
T7	Maple	
T8	Oak	
T9	Redbud	
T10	Sycamore	
T11	Walnut	

TOTAL NUMBER of ✔ or Different Taxa Represented:_____

DIVERSITY INDEX DATA SHEET

Your Name: _____ **Date:** _____

Site Name: _____ **Season:** _____

A. Total Number of Individuals from BUS Taxa Data Sheet = _____

B. Total Number of Taxa Represented from Biodiversity Taxa Checklist = _____

C. Total Number of Runs from BUS Taxa Data Sheet = _____

Index Equations — Your Calculations

D. Habitat Complexity Index (DI_R) = $\frac{\text{\# of Runs}}{\text{Total \# of Individuals}} = \frac{\mathbf{C}}{\mathbf{A}}$ DI_R = _____ = ☐

E. Taxa Richness Index (DI_T) = $\frac{\text{\# Taxa}}{\text{Total \# Runs}} = \frac{\mathbf{B}}{\mathbf{C}}$ DI_T = _____ = ☐

Overall Diversity Index (DI_O) = $\sqrt{DI_R\ (DI_T)} = \sqrt{(\mathbf{D})\ (\mathbf{E})}$ $\mathbf{DI_O} = \sqrt{(\quad)\ (\quad)}$ = ☐

Reminder: Your index values should all be decimals between 0 and 1.

ALL BUS TAXA

Amphibians & Reptiles

A1. Frog (sp, sum, fall)
A2. Snake (sp, sum, fall)
A3. Toad (sp, sum, fall)
A4. Turtle (sp, sum, fall)

Birds

B1. Red-winged Blackbird (all year)
B2. Blue Jay (all year)
B3. Northern Cardinal (all year)
B4. Chickadee (all year)
B5. Common Crow (all year)
B6. Mourning Dove (all year)
B7. American Goldfinch (all year)
B8. Common Grackle (all year)
B9. American Robin (all year)
B10. Swallow (sp, sum, fall)
B11. Woodpecker (all year)

Fungi

F1. Bracket Fungus (all year)
F2. Cup Fungus (sp, sum, fall)
F3. Morel (sp)
F4. Mushroom (all year)
F5. Puff Ball (fall)

Insects & Arachnids

I1. Bumble Bee (sp, sum, fall)
I2. Carrion Beetle (sp, sum, fall)
I3. False Stag Beetle (sum)
I4. Tiger Beetle (sp, sum, fall)
I5. American Copper Butterfly (sum, fall)
I6. Angle Wing Butterfly (Question Mark and Comma) (fall, win)
I7. Monarch Butterfly (sp, sum, fall)
I8. Mourning Cloak Butterfly (all year)
I9. Painted Lady Butterfly/American Painted Butterfly (sum, fall)
I10. Sulphur Butterfly (sp, sum, fall)
I11. Swallowtail Butterfly (sp, sum, fall)
I12. Dog Day Cicada (fall)
I13. Daddy-long-legs (sp, sum)
I14. Grasshopper (sum, fall)
I15. Garden Spider (fall)
I16. Sheetweb Spider (sp, sum, fall)
I17. Spittlebug (sum, fall)

Mammals

M1. Chipmunk (all year)
M2. Coyote (all year)
M3. Fox (all year)
M4. Mole (sp, sum,fall)
M5. Opossum (all year)
M6. Rabbit (all year)
M7. Raccoon (all year)
M8. Squirrel (all year)
M9. White-tailed Deer (all year)
M10. Woodchuck (sp, sum, fall)

Plants

P1. Aster (sum, fall, win)
P2. Cinquefoil (sp, sum, fall)
P3. Coneflower (win)
P4. Fleabane (sum, fall, win)
P5. Goldenrod (sum, fall, win)
P6. Mayapple (sp)
P7. Milkweed (sum, fall, win)
P8. Monarda (sum, win)
P9. Spring Beauty (sp)
P10. Sunflower (sum, fall, win)
P11. Trillium (sp)
P12. Virginia Bluebells (sp)

Snails & Slugs (all year)

S1. Slug
S2. Cone-shaped Snail
S3. Disc-shaped Snail

Trees (all year)

T1. Ash
T2. Cottonwood
T3. Crab Apple
T4. Elm
T5. Hackberry
T6. Hawthorn
T7. Maple
T8. Oak
T9. Redbud
T10. Sycamore
T11. Walnut