Site No	
School No	
Student No.	

$\begin{array}{c} \textbf{LAND-USE SCORECARD (100) points} \\ \textbf{(Use the Scantron Form for parts } I-IV.) \end{array}$

1. PERCENT SLOPE	(4 POINTS	5)						
A. 0-2% (Nearly)	Level)	E. 15-20% (Moderately steep)						
B. 2-5% (Gently	sloping)	AB. 20-30% (Steep)						
C. 5-10% (Moder	ately slopin	g) AC. More than 30% (Very steep)						
SOIL PROFILE CHARAC	CHTERIST	TCS (36 points)						
		URFACE LAYER, DEGREE OF EROSION & DEPOSITION (4 points						
		of subsoil mixing; none to slight erosion						
		0% subsoil mixing, moderate erosion						
		ay be mostly subsoil; severe erosion						
D. 8" to 20" depos	sition; laye	of different color or texture than buried surface soil						
	CENT OF C	ORGANIC MATTER IN PLOW (SURFACE) LAYER (4 POINTS)						
<u>Color</u> A. Very dark		Ave. % Organic Matter 5						
A. very dark B. Dark		3 1/2						
C. Moderately dark	lz	2 ½						
D. Light	X.	2						
E. Very light		1 ½						
4. PRESENCE OF GRA	AYISH E(A	a) HORIZON (4 points)						
A. Grayish E horizo		in including (4 points)						
B. Grayish E horizo		ent						
5. SUBSOIL COLOR (4 points)							
A. Brown or yellow		no gray mottling						
		gray or gray mottling below 24"						
C. Gray and brown								
D. Gray or love gray	y; may have	e a few brown mottles						
E. Does not apply								
TEXTURE (4 points of	each)							
C DIONILAND		Soil texture group						
6. PLOW LAYER		Coarse (loamy sand, sand, also includes gravel and gravelly loam)						
7. SUBSOIL		B. Moderately coarse (fine sandy loam and sandy loam)C. Medium (silt loam, loam, silt, very fine sandy loam)						
7. SUBSOIL		Moderately fine (silty clay loam, clay loam, sandy clay loam)						
8. SUBSTRATUM		Fine (clay, silty clay, sandy clay)						
8. SUBSTRATUM		Bedrock (limestone, shale, or sandstone)						
		Organic material (peat, muck)						
		Horizon not present in exposed profile						
SOIL STRUCTURE (4	noints eac	h)						
SOIL STRUCTURE (4	points cae	Type of structure (or particle arrangement)						
9. PLOW LAYER		Single grain						
		Massive						
10. SUBSOIL		Granular						
		Platy						
		Blocky						
		Prismatic or columnar						
	AC. I	Horizon not present in exposed profile						

ASSOICATED SOIL FEATURES (20 points) __11. INTERNAL DRAINAGE AND AERATION (4 points) A. Well drained B. Moderately well drained C. Somewhat poorly drained D. Poorly and very poorly drained E. Does not apply __12. SURFACE RUNOFF (4 points) A. Rapid B. Medium C. Slow D. Areas subject to ponding E. Areas subject to flooding _13. PREMEABILITY (ease of water and air movement) (4 points) A. Rapid Moderate В. C. Slow ____14. SOIL DEPTH (favorable for root growth) (4 points) Deep, more than 36" Α B. Moderately deep, 20-36" C. Shallow, less than 20" ____15. AVAILABLE WATER HOLDING CAPACTIY (4 points) A. Very high, more than 12" B. High, 9 to 12" C. Moderate, 6 to 9" D. Low, 3 to 6 " Very low, less than 3" IV. SOIL USE AND MANAGEMENT (40 points) SOIL LOSS EQUATION (10 points)

C value is _____(write this value on scantron in appropriate spot)

SOIL MANAGEMENT (24 points)

Woods, Wildlife

В.

III.

Mark the maximum amount of tillage that could be used for each rotation.

Rotation	Does Not	Conventional Tillage			Chisel or Large Disk Tillage					Zero Till					
	Apply		Fall Plow		Spring Plow		20% residue		30% residue			6 due	60% residue	70% residue	80% residue
16. Continuous corn	A.			В.		C.		D.	E.	AB.		AC.	AD.	AE.	BC.
			.36		.29		.21		.18	.15	.12		.09	.06	.05
17. Corn-Soybeans		A.	.36	B.	.31	C.	.27	D.	E.	AB.	.18	AC.	AD.	AE.	BC.
18. Corn-Corn- Soybeans		A.	.36	В.	.30	C.	.25	D.	E.	AB.	.16	AC.	AD.	AE.	BC.
19. Corn-Soybeans- Small grain		A.	.27	В.	.22	C.	.17	D.	E.	AB.	.10	AC.	AD.	AE.	BC.
20. Corn-Sb-Small grain - meadow		A.	.14	В.	.12	C.	.10	D.	E.	AB.	.08	AC.	AD.	AE.	BC.
21. Restricted Use Pasture, Hayland,	Y	N													