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TCJ CONSULTING
SITE / SOIL EVALUATION

JOB: _____ PHONE: _____ DATE: 3/2/05
LOCATION: _____ PIN: _____ COUNTY: Iredell PROPERTY SIZE: 0.8
PROPOSED FACILITY: 4BR SF WATER SUPPLY: On-Site Well__ Community__ Public__ EVALUATION: Auger Boring__ Pit__ Cut__
WEATHER: Rain Mid 60s ANTECEDENT MOISTURE: good SURFACE WATER: Lake Norman > 50'

FACTORS	PROFILE 1	PROFILE 2	PROFILE 3	PROFILE 4
LANDSCAPE POSITION	LS	LS	Backside	25% LS @ shoulder
HORIZON I DEPTH	0-5	0-3	of	0-9
Color - Munsell	yel red 5YR4/6	red yel red	hill	red br
Texture	sl	scl	Big rock	sl
Structure	gr - mod fine med gr	gr - weak fine med gr	Soil to RD	gr
Consistence	fri NSNP	fri NSNP Sp	but too much	fri NSNP
	m-el cobble	cobble rock	rock for	1c-mod fine
	by both		HW work	
Boundary	diffuse	abrupt		clear
HORIZON DEPTH II	5-36	3-6		9-48
Color - Munsell	red br 5YR4/3	red		red
Texture	li cl / hR	cl		h cl almost c
Mottles	NA	NA		NA
Structure	MM SAB to sm-f	gr		sm-f SAB
Consistence	fri SS sp	friable SS sp		fri to firm
	m cobbles	f NSNP		contains 10-22
				few cobble - gravel
Boundary	dif	def		few gravel - diker
HORIZON III DEPTH	36+ 48	6-24		
Color - Munsell	yel red/red	red		
Texture	h-cl	h cl - almost c		
Mottles	NA	NA		
Structure	sm-f SAB	sm-f SAB		
Consistence	fri SS sp	fri - fri SS sp/sp		
		few cobbles		
Boundary		def		
HORIZON IV DEPTH		24-46+		
Color - Munsell		red		
Texture		cl		
Mottles		NA		
Structure		wk f SAB		
Consistence		friable wet		
		few cobbles		
		few gravel - few white		
Boundary		clear		
SOIL WETNESS	NA	wet 46-53 cl sap	NA	NA
RESTRICTIVE HORIZON	NA	NA	varies 14"	NA
SAPROLITE	NA	46+	mostly rock	NA > 48
LTAR	3-16 - mod	.4		.4
CLASSIFICATION	S	PS	N	PS
	LAKE			
	(2) - Initial (1)			
	(4) PR (2)			

AHS
continuation of hole by ICHD same as profile 1 to 46"

LEGEND

LANDSCAPE POSITION
R - Ridge
S - Shoulder
L - Linear slope
S - Foot slope
N - Nose slope
H - Head slope
Cc - Concave slope
Cv - Convex slope
T - Terrace
P - Flood Plain

TEXTURE
s - sand
ls - loamy sand
sl - sandy loam
l - loam
si - silt
sil - silt loam
sicl - silty clay loam
cl - clay loam
scl - sandy clay loam
sc - sandy clay
sic - silty clay
c - clay

CONSISTENCE
MOIST / WET
Ns - non-sticky
Ss - slightly sticky
S - sticky
Vs - very sticky

Np - non-plastic
Sp - slightly plastic
P - plastic
Vp - very plastic

MOIST
vfr - very friable
fr - friable
fi - firm
vfi - very firm
efi - extremely firm

STRUCTURE
sg - single grain
m - massive
cr - crumb
gr - granular
sabk - subangular blocky
ab - angular blocky
pl - platy
pr - prismatic