



# SOIL DISTURBANCE SUMMARY

SURVEYOR				DATE Y M D			IDENTIFICATION NO.		
LICENSE NO.		LICENSEE		CP	BLOCK	BCGS OPENING			
REGION		DISTRICT			TU OR SU Number	of	STRATUM		
GCA	NAR	<b>SOIL HAZARD RATINGS</b>			COMPACT- TION	DISPLACE- MENT	EROSION	MASS WASTING	FOR. FLOOR DISPLACE- MENT
COUNTED SOIL DISTURBANCE CATEGORIES (please ✓)					<input type="checkbox"/> COMPACTED AREAS	<input type="checkbox"/> REPEATED MACHINE TRAFFIC			
		<input type="checkbox"/> WIDE SCALPS	<input type="checkbox"/> 5 cm DEEP WHEEL / TRACK RUTS						
		<input type="checkbox"/> CONTINUOUS SCALPS							
SOIL DISTURBANCE SUMMARY									
PERMANENT ACCESS STRUCTURES					SUMMARY				
	LANDINGS	HAUL ROADS	PERMANENT TRAILS	PERMANENT ACCESS		SP ALLOWABLE	LOWER 90% CL	NON-COMPLI- ANCE AMOUNT	
MEAN					COUNTED DISTURBANCE				
AE %					DISPLACE- MENT				
			LCL:		PERMANENT ACCESS				
<b>FOREST FLOOR REDUCTION:</b>						SPLIMIT	UPPER 90% CL	NON-COMPLI- ANCE AMOUNT	
AVERAGE DEPTH OF FOREST FLOOR REMAINING AFTER BURNING:						cm			
CALCULATION PROCEDURE FOR LOWER CONFIDENCE LIMIT (LCL) FOR LANDINGS AND PERMANENT ACCESS STRUCTURES:									
1. Enter the Percentage Area Errors (AE) from the calculation cards corresponding to each disturbance type.									
2. Calculate the pooled Confidence Interval:									
$CI_{\text{Permanent Access}} = \sqrt{AE \%^2_{\text{Landings}} + AE \%^2_{\text{Roads}} + AE \%^2_{\text{Permanent Trails}}}$									
3. Calculate the Lower Confidence Limit as:									
$LCL_{\text{Permanent Access}} = \text{Total Permanent Access} - CI_{\text{Permanent Access}}$									
similarly for Counted Disturbance and Forest Floor Displacement.									
COMMENTS									

