



**SOIL DISTURBANCE
SURVEY**

**LANDING AREA
CALCULATION CARD***

SURVEYOR	DATE	Y	M	D	IDENTIFICATION NO.
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LANDING SUMMARY TABLE*							
LANDING NUMBER							
LENGTH 1 (m)							
LENGTH 2 (m)							
AVG. LENGTH (m)							
WIDTH 1 (m)							
WIDTH 2 (m)							
AVG. WIDTH (m)							
							TOTAL
AREA (ha)							
							GCA (ha)
							AREA (%)
							AREA ERROR (%)
							LOWER AREA LIMIT(%)

CALCULATION PROCEDURE:

1. Calculate the average of the two length measurements for each landing.
2. Calculate the average of the two width measurements for each landing.
3. Calculate the area of each landing in hectares by multiplying the average length by average width and dividing by 10,000.
4. Sum the area of all **landings** and enter this value in the column labelled "Total".
5. Divide the total **landing** area in hectares by the **gross** cutblock area (GCA) and multiply by 100 to calculate the percent area.
6. Calculate the area error by multiplying the area (%) by .0707
(e.g., 3.30% x .0707 = .23%).
7. Calculate the lower area limit by subtracting the area error % from the area %
(e.g., 3.3% - .23% = 3.07%).

***Use for landings, borrow pits, truck pull-outs, etc.**