

**ALBERTA SCALING MANUAL**

**MICRO LOG SCALE PROGRAM**

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**3.3 Micro Log Scale Program**

The micro log scale (mscale) program provided by the department of Sustainable Resource Development facilitates the compilation of log scale data.

The program is Windows © based software. All scale data whether collected on form TM32S or by a handheld, must conform and be able to read by the program.

The program creates a text file for each log scale load compiled and saved. The program can also generate a summary file (master ascii) of all scale loads saved to a master file. It is this summary file, which the user uploads to the Timber Production and Revenue System (T.P.R.S. – Refer to Section 6.0 of the Alberta Scaling Manual) when reporting log scale data to the department.

The program and instructions for use may be downloaded from the departments website at: <http://www3.gov.ab.ca/srd/forests/managing/sustain/index.html>.

The following screen prints provide show a basic header record and log entry page.

**Figure 3.31 Mscale Header Record Screen (Selection for Scaling with Trim)**

MSCALE - Data Entry - untitled1.txt

Header Data Info | Log Data Info

Lessee, Licensee, Or Permittee: NEW LOGGERS

Mill Location Or Name: SAWMILL

Disposition: CTP

Sub-Disposition:

Source:

Mill Number: M 1

Block Number:

Load Number: 4

Date Weighed: 2005/02/17 YYYY MM DD

Population: 400

Top Diameter: 10

Net Weight: 43210 KG Small Sawlogs: Y  Trim Allowance

TM 9 Number: A123456

Primary Species: SP Condition: GR Product: 01

Mill Code: BC

Number of Trees in Load: 52

Scaler Name: BC

Scaler Permit: 1

**Figure 3.32 Mscale Log Record Screen (Scaling with Trim Allowance – Actual Log Length Recorded and Length Class is Calculated)**

MSCALE - Data Entry - untitled1.txt

Header Data Info | Log Data Info

SP-CD-PR Combinations: 2

Log #	SP	CD	PR	ButtD	TopD	Length	Act Length	GVOL	Type	Meth	C1	C2	C3	CVol	Flag	DBH
1	SP	GR	01	32	28	482	48	341						0		
2	SP	GR	01	24	20	372	36	138						0		
3	SP	GR	01	28	22	359	36	179						0		
4	SP	GR	01	28	22	362	36	179	3	1	18	12	0	113		
5	SP	GR	01	22	20	221	22	77						0		
6	SP	GR	01	32	26	358	36	241						0		
7	SP	GR	01	36	30	486	48	414						0		
8	SP	GR	01	40	30	506	50	491	1	6	24	36	50	491		
9	SP	GR	06	12	10	242	24	23						0		
10	SP	GR	06	16	14	182	18	32						0		
11	SP	GR	01	26	22	242	24	110						0		
12	SP	GR	01				0	0						0		



The default setting for a new scale load is to scale without trim. To avoid having to select the trim allowance box for each new scale load (for scale sites scaling with trim) the system default setting is changed by using the Edit/ Systems Default option and clicking on the Trim Allowance box and saving the setting.

**Figure 3.35 Setting Mscale System Defaults**

The screenshot shows a software window titled "MSCALE - System Defaults" with a menu bar (File, Edit, Window, Help) and three tabs: "Scale Header Defaults", "Scale Load Defaults", and "Hardware Defaults". The "Scale Load Defaults" tab is active. The form contains the following fields and controls:

- Lessee, Licensee, Or Permittee: [Text Box]
- Mill Location Or Name: [Text Box]
- Disposition: [Text Box]
- Sub-Disposition: [Text Box]
- Source: [Text Box]
- Mill Number: M [Text Box]
- Block Number: [Text Box]
- Load Number: [Text Box]
- Date Weighed: 2005/03/17 [Text Box] yyyy/mm/dd
- Population: [Text Box]
- Top Diameter: [Text Box]
- Net Weight: [Text Box] KG Small Sawlogs: Y [Dropdown]
- TM 9 Number: [Text Box]
- Primary Species: SP [Dropdown] Condition: GR [Dropdown] Product: 01 [Dropdown]
- Mill Code: [Text Box]
- Number of Trees in Load: [Text Box]
- Scaler Name: [Text Box]
- Scaler Permit: [Text Box]

The "Trim Allowance" checkbox is checked and highlighted with a red rectangular box.