

ALBERTA SCALING MANUAL

TIMBER PRODUCTION AND REVENUE SYSTEM

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6.0 Timber Production and Revenue System

6.1 General

The Timber Production and Revenue (TPRS) is a computer system run by the department of Sustainable Resource Development, which serves both the department and timber industry. The system captures key items such as:

1. Timber harvest authorities.
2. Authorized harvests.
3. Timber production reporting and standings.
4. Crown charges.

Weigh scaling accounts for the majority of the provincial harvest. TPRS plays a major role in facilitating the reporting of such timber scaling processes.

The key principles, which guide the accounting and reporting for weigh scaling, are found in the Scaling Regulation. Key points of the Scaling Regulation are:

- A site must be approved by the department for the scaling of timber.
- An authorized scale site owner must ensure:
 1. Sample scaling is done in accordance with an approved sample plan.
 2. A valid permitted scaler does the sample scaling.
 3. The method of scale is an approved methodology for that site.
 4. The scale data is submitted to the department within the timeframes allotted. In the case of mills receiving timber volumes in excess of 70,000 cubic metres (m³) annually, electronic reporting is required. For weigh scale mills receiving lesser volumes, submission of the departmental weigh scale forms or approved equivalents is required.

6.2 Submitting Scale Data

The sequence of submitting scale data to TPRS is illustrated through the following text notes and screen prints:

6.2.1 Sample Plan

All timber delivered to an authorized scale site must be accounted for. The first process is to set up a scaling population or sampling plan. An approved sampling plan is generated in TPRS based on the TM262 "Scaling Population" document (See figure 4.1). The plan establishes edit criteria for the submission of log scale data.

Population (TPRF201M)

Population: 101 Mill: 8346
 Coefficient Of Variation: 8.00 Estimated Number Of Loads: 425
 Minimum Top Diameter Scaled: 10 Sample Intensity: 5.00
 Start Date: 01-MAY-2002
 End Date: End Reason:

Species	Condition	Product	Effective Date	Termination Date	Termination Reason
Aspen	GR Green	18 OSB	01-MAY-2002		
Balsam	GR Green	18 OSB	01-MAY-2002		
Spruce	GR Green	18 OSB	01-MAY-2002		

Fixed Population Net Scale Volumes

Volume	Effective Date	Termination Date	Termination Reason
0.000			

Population (TPRF201M)

Population: 101 Mill: 8346
 Coefficient Of Variation: 8.00 Estimated Number Of Loads: 425
 Minimum Top Diameter Scaled: 10 Sample Intensity: 5.00
 Start Date: 01-MAY-2002
 End Date: End Reason:

Disposition	Working Circle	Name	Effective Date	Termination Date	Termination Reason
DTLG05C001			01-MAY-2002		
FMA9700033	TG2	Management Uni	01-MAY-2002		

Figure 6.1- TPRS Population Form

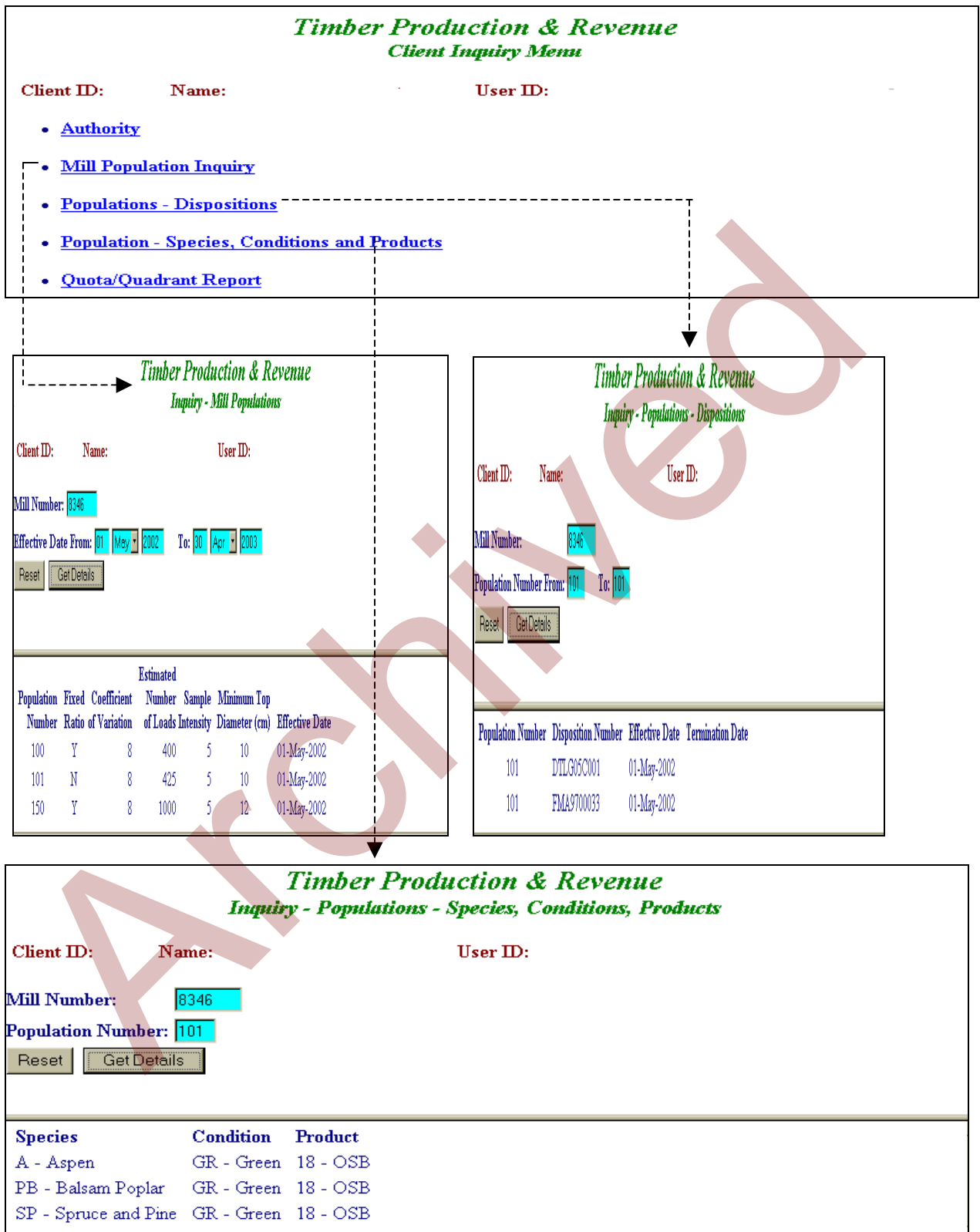


Figure 6.2b- Sample Plan Inquiry (continued)

6.2.2 Load Weight Data Submission

Load weight data compiled in the form of TM35 " Weigh Scale-Load Record Sheet" may be submitted to TPRS in one of two ways:

6.2.2.1 Manual Data Entry

The monthly summary data is entered each month through by selecting the "Manual Entry - Weigh Scale Weight Data" option. For each harvest source hauled for the month and corresponding population number, the total number of loads and respective total net weight, is keyed in the appropriate data boxes. This is repeated for each timber source. Cutblock identifiers are optional, but where required (i.e.: distance modifier eligible blocks), the block identifier must be pre-entered in TPRS and shall be in the ARIES format.

The following system screen prints details the process for entering load weight data to TPRS using manual entry:

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PRODUCTION WEIGHT ENTRY - MANUAL PROCEDURE

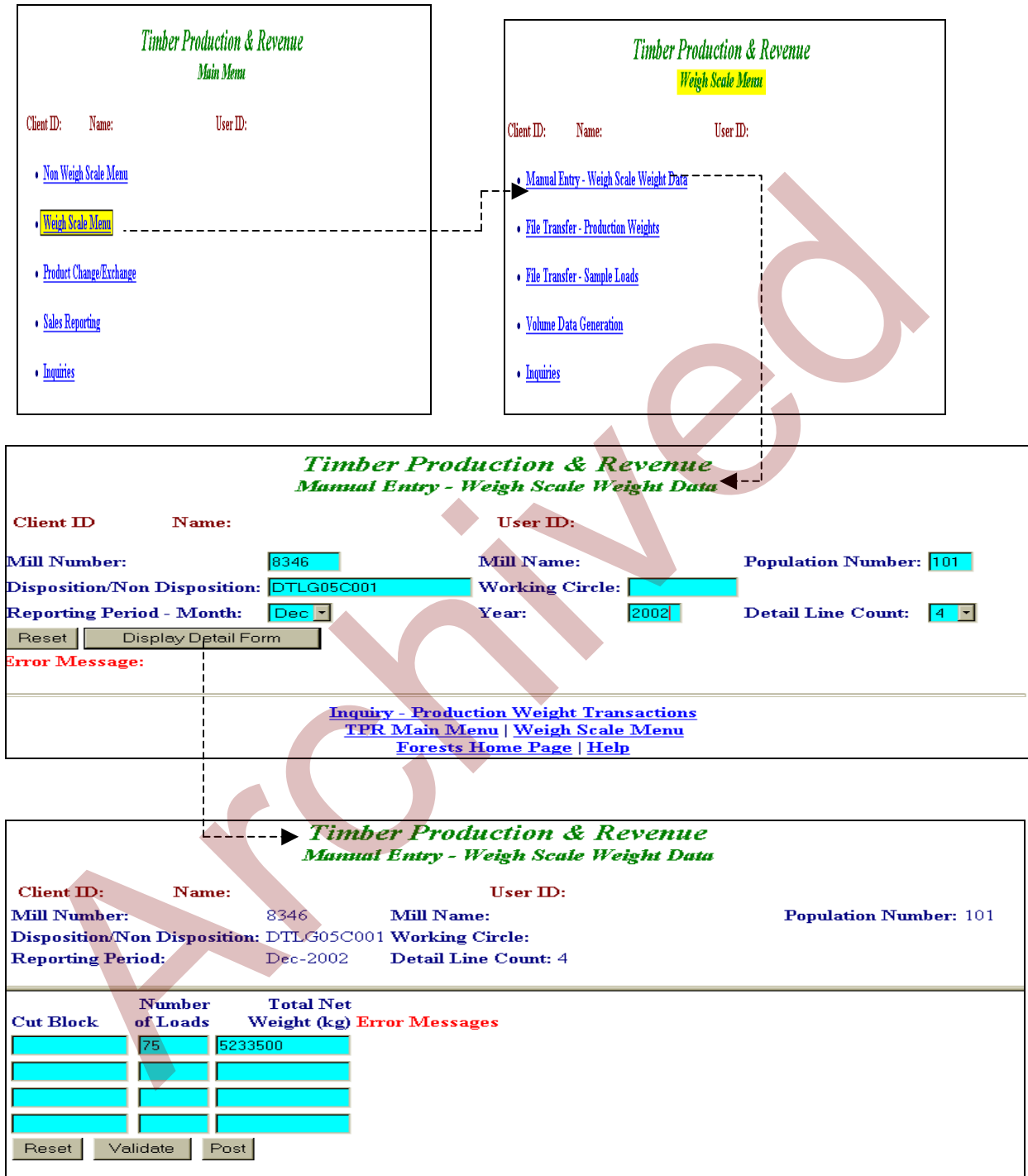


Figure 6.3 – Manual Entry of Production Weight

6.2.2.2 Production Weight - Electronic Data File Submission

Load weight data may be captured in a database and subsequently submitted to TPRS using the "File Transfer -Production Weights" option.

The data must be in an ASCII text file form, be prefixed with the proper mill code, and in the following format:

PRODUCTION WEIGHT ASCII FILE FORMAT						
Record Position	Field Contents	Field Type	Width	Justification	Comments	
001-006	Mill Number	I	6	Right		
007-009	Population	I	3	Right		
010-029	Disposition/Source	A	20	Left		
030-033	Sub-Disposition	A	4	Left		
034-039	Month/Year (mmyyyy)	I	6	Right		
040-050	Cut Block (SRMS I.D.)	A	11	Left	Optional	
051-056	Number of Loads	I	6	Right		
057-068	Total Net Weight	N	12	Right		
	I – Integer	Blanks used to fill fields.				
	A - Alphanumeric					
	N – Number					

Table 6.1 Production Weight ASCII Format

The following screen prints illustrate the process for the submission of load weights for both the manual and data file approaches:



Figure 6.4 - Electronic Production Weight Entry

6.2.3 Sample Load Data Submission

Sample load scale data is submitted to TPRS as a file generated from the Micro Logscale Program (Mscale). The file is a summary of all scale loads, which have been processed and saved to the current master file (master.db). The output file to be created must be named with the proper mill code prefix.

Each month, only those sample scale loads completed for the month are to be submitted; therefore a new master file is required (as the existing master.db file contains prior scale loads). This is accomplished by simply renaming or deleting the existing master.db file. Thereafter, as soon as you save the first scale load for the month, a new master.db file is created with only that load and any loads which you subsequently add.

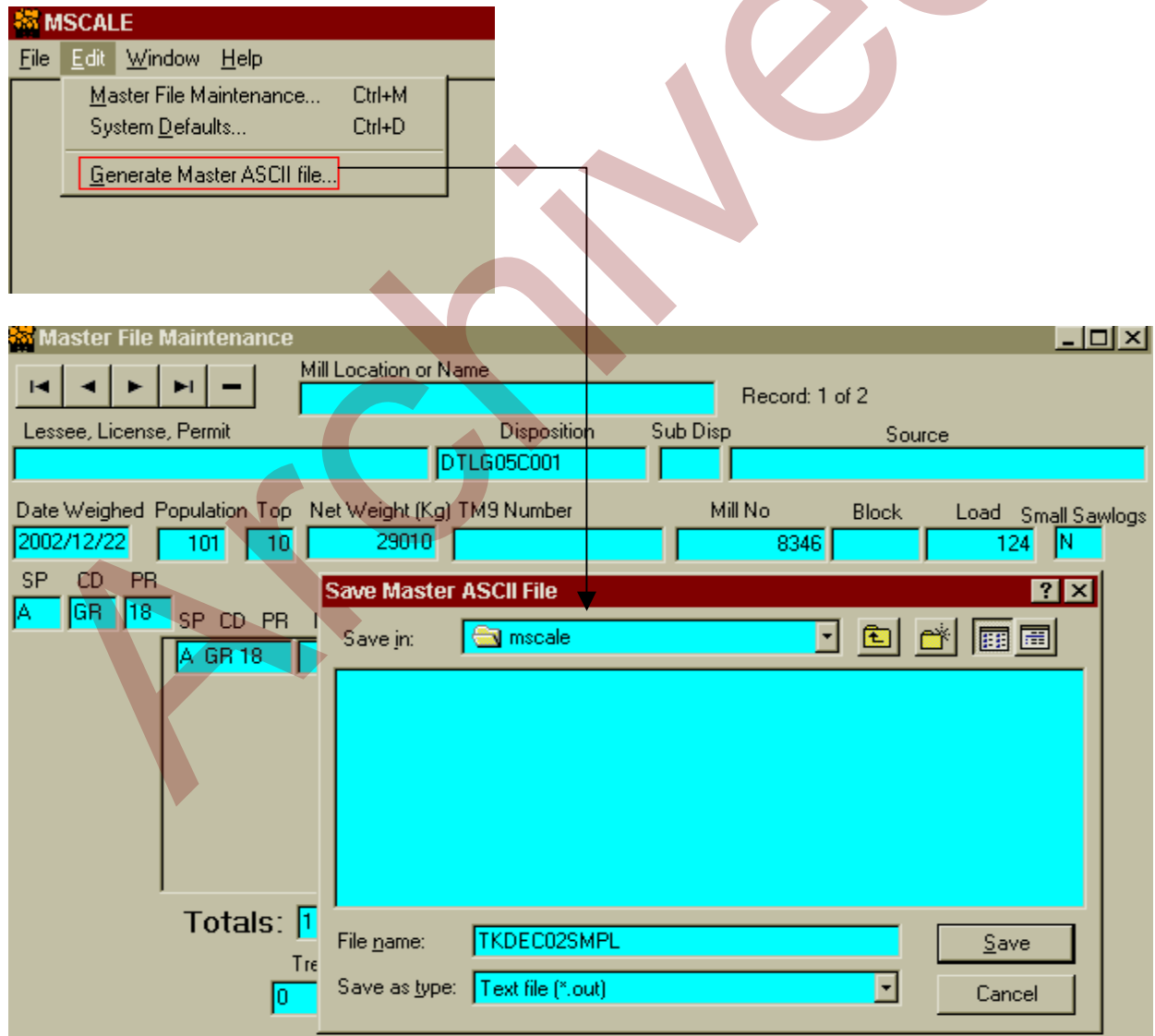


Figure 6.5 Mscale Master File Generation

ELECTRONIC SAMPLE LOAD ENTRY

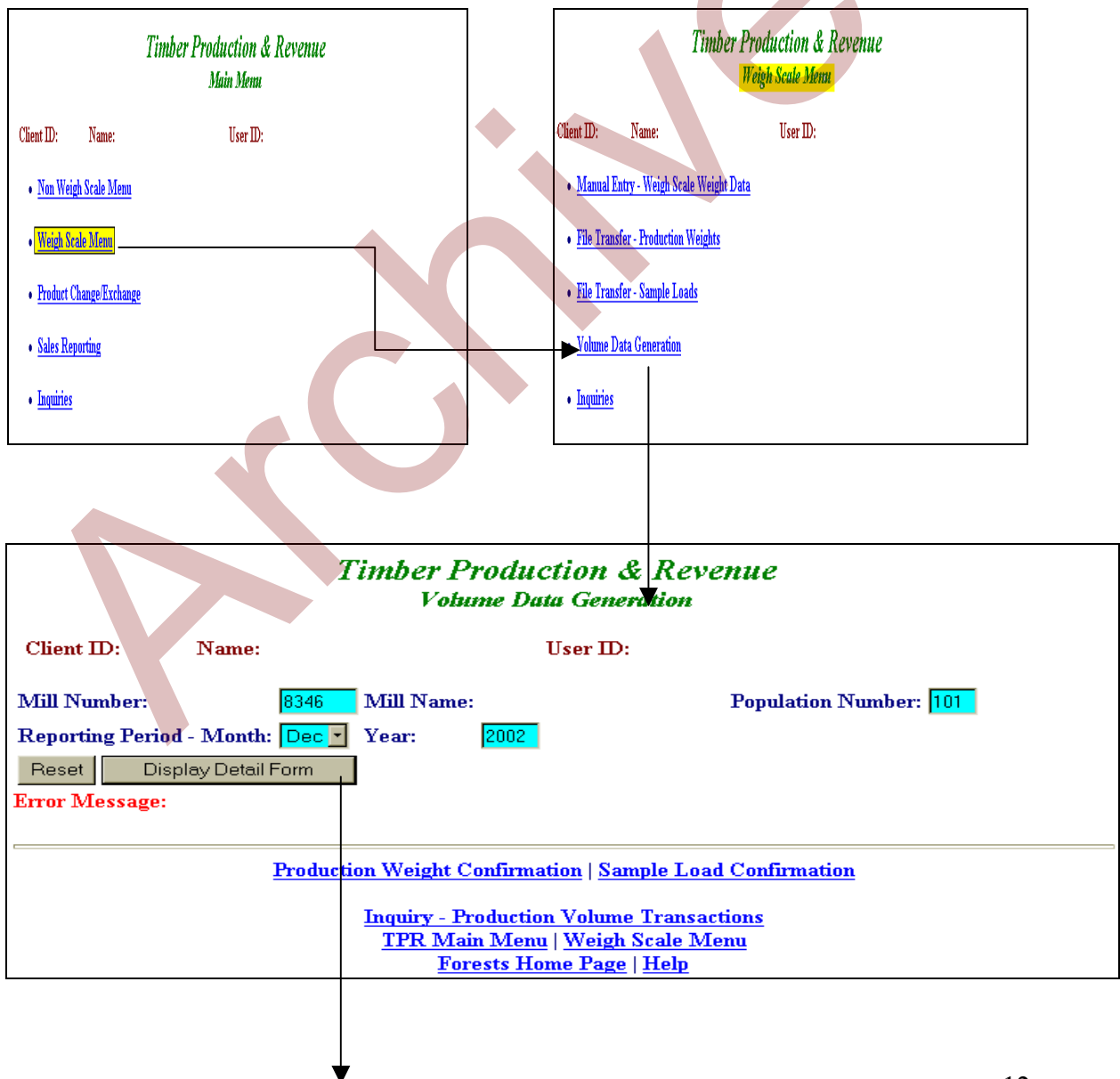


Figure 6.6 - Electronic Sample Load Entry

6.2.4 Volume Data Generation – TM44

The successful submission of load weight data and sample scale data allows the TPRS user to consolidate the information and enabling the calculation of volume and the creation of a TM44 "Weight Scale-Volume Compilation Sheet".

The following procedures are completed for each monthly scaling population. The volume compilation form is displayed for the user and if the user is in agreement with the results, they are accepted and processed to TPRS. The volume is stored in the system as a record of production and for revenue reporting.



Timber Production & Revenue
Volume Data Generation

Client ID: **Name:** **User ID:**
Mill Number: 8346 **Mill Name:** **Population Number:** 101
Reporting Period: Dec-2002

WEIGH SCALE - VOLUME COMPILATION SHEET (TM44)

Mill	Population	Month				
8346	101	DEC-2002				
Disposition	Working Circle	Cutblock	Number of Loads	Monthly Net Weight (kg)	Last Month Accumulated	Total Net Weight
DTLG05C001			75	5,233,500		
			75	5,233,500	0	5,233,500
FMA9700033	TG2		44	1,812,800		
			44	1,812,800	0	1,812,800
					0	7,046,300

Sample Load	Sample Load Weight	A GR18	PBGR18	SPGR18	Total
112	29,860	8.168	21.531	.000	29.699
124	29,010	8.292	18.862	.000	27.154
740	34,090	.000	40.310	.000	40.310
779	43,030	52.393	.000	.000	52.393

Current	135,990	68.853	80.703	.000	149.556
Last	0	.000	.000	.000	.000
Total	135,990	68.853	80.703	.000	149.556
Multiplier	51.815				
Ratio	909.292				
Volumes					
Total		3,568	4,182	0	7,750
Last		0	0	0	0
Current		3,568	4,182	0	7,750
Current Volumes By Disposition					
Disposition	Working Circle				
DTLG05C001		2,650	3,106	0	5,756
FMA9700033	TG2	918	1,076	0	1,994

Figure 6.7 - Volume Data Generation