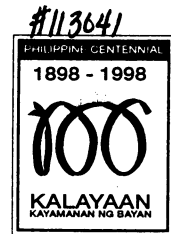




Republic of the Philippines
DEPARTMENT OF
ENVIRONMENT AND
NATURAL RESOURCES

DENR SPECIAL ORDER
NO. 99 - 538

MAY 17 1999



SUBJECT : **AUTHORIZING FMB AND CARAGA REGION
PERSONNEL TO VALIDATE THE TIMBER
RESOURCES DATA SUBMITTED BY
SHANNALYNE, INC. AND TECLAND, INC.**

1. In the interest of the service and in order to determine the accuracy of the timber resources data submitted by Shannalyne, Inc. and Tecland, Inc. holder of IFMA Nos. 98-0001, 98-0002 and Nos. 98-0003, 98-0004, respectively two (2) teams from FMB and Caraga Region are hereby created to be composed of the following:

Team No. 1:

- Leader - Sr. Forest Mgmt. Specialist Juan Odanga - FMB
- Members - 1. For. Edwin Mollaneda - R13
2. For. Simo Enong - R13

Team No. 2:

- Leader - Sr. Forest Mgmt. Specialist Juan Dayag - FMB
- Members - 1. For. Usodan Aliponto - R13
2. For. Raul Rosales - R13
- Over-all Coordinator - For. Leonardo Ranara

2. The above-listed Teams shall perform the following:
 - 2.1 Re-establish the survey lines described in the field validation instructions attached hereto as Annex "A";
 - 2.2 Coordinate with the concerned CENRO, LGUs and IP chieftains to facilitate early completion of the assigned tasks; and
 - 2.3 Submit a comprehensive report to the Secretary thru the FMB Director.
3. The Teams are authorized to seek the assistance of any DENR officials/personnel to facilitate the early completion of the field works.
4. The Teams are allowed to claim per diem and reasonable transportation expenses chargeable against their respective Offices funds, subject to the usual government accounting and auditing rules and regulations.
5. This Order shall take effect immediately.

ANTONIO H. CERILLES
Secretary

RECOMMENDED BY:

JOSE D. MALVAS, JR.
Director

Forest Management Bureau

ANNEX "A"

**INSTRUCTIONS ON THE VALIDATION OF
THE TIMBER RESOURCES DATA STATED
IN THE CDMP's OF SHANNALYNE, INC.
AND TECLAND, INC.**

1. **Survey lines to be validated:**
 - 1.1 Along main road to Salug, just before Milagros (180 degrees) with a length of 4.0 km consisting of 160 plots with coordinate from the intersect of main road and easting of 125 degrees, 35 minutes and 33 seconds E.
 - 1.2 Across Pusilao River from Milagros (285 degrees) with a length of 3.0 km consisting of 120 plots with coordinates of 125 degrees, 14 minutes and 17 seconds E and 8 degrees, 38 minutes and 13 seconds N.
2. **JAAKO Poyry Procedures**
 - 2.1 A sample is composed of two (2) recording units (RU) within a 20 m x 25 m plot:
 - 2.2 The 1st RU has a dimension of 8m x 25 m (4m on the right and left sides of the middle of the strip) with an area of 200 square meters. All trees having dbh/dab of 15-29.9 cm within the 1st RU are tallied. The height of the tallied trees within the 1st RU were not measured. The 2nd RU has a dimension of 20m x 25m (10m on the right and 10 m. on left sides from the middle of the strip) with an area of 500 square meters. All trees having dbh/dab of 30 cm and larger were tallied in the 2nd RU The merchantable height of every 10th tree are measured at 1st main branch or at 15 cm top end diameter. For purposes of this validation the merchantable height of all tallied trees within the 1st and 2nd RU shall be determined;
 - 2.3 Tally of sample trees shall only be done every other plots;
3. **FMB/DENR TIMBER INVENTORY PROCEDURES:**
 - 3.1 All trees with dbh/dab of 15 cm and larger within the 20m x 25 m plot shall be tallied. Separate tally sheet shall be used for every 20m x 25m plot;
 - 3.2 Measure the length of brushland and open/cultivated lands along the strip which shall be deducted to the total length of the strip;
 - 3.3 Use the appropriate equation for the computation of the timber volume of tallied trees;
 - 3.4 Prepare the stand and stock table per strip and for the two strips; and
 - 3.5 Compute the basal area of the tallied trees by diameter classes both for the JAAKO POYRY and FMB/DENR data..