

## Procedure for Adjusting VRI Attributes for VDYP7 Projection (For exceptional cases, where external agencies request it.)

The Forest Analysis and Inventory Branch does not support Vegetation Resources Inventory attribute adjustment any more. However, for those who have adjustment factors and may wish to apply adjustments, the procedure below may be helpful. This procedure is consistent with the requirements for the preparation of data as input for VDYP7 after attribute adjustment.

1. Obtain the raw photo interpreted data from the Vegetation Resources Inventory Management System (VRIMS) or the Land Resources Data Warehouse (LRDW).
2. Project 4 raw (photo interpreted) attributes to data of ground sampling. The 4 attributes are:
  - a. R1\_est\_age\_spp1
  - b. R1\_est\_height\_spp1
  - c. R1\_BA\_75
  - d. R1\_VRI\_live\_stems\_per\_ha
3. Apply adjustment ratios to the 4 attributes at date of ground sampling.
4. Generate point in time (VDYP7) yield using the 4 adjusted attributes and retain the following outputs. (use date of ground sampling as reference year.)
  - a. R1\_BASAL\_AREA\_125 (do not adjust this attribute)
  - b. R1\_LOREY\_HEIGHT\_75
  - c. R1\_VOL\_PER\_HA\_75
  - d. R1\_VOL\_PER\_HA\_125
  - e. R1\_CLOSE\_UTIL\_VOL\_125
  - f. R1\_CLOSE\_UTIL\_DECAY\_VOL\_125
  - g. R1\_CLOSE\_UTIL\_WASTE\_VOL\_125
5. Apply Lorey Height adjustment factor to 3b above.
6. Apply Volume adjustment factor to attributes specified in 3c to 3g. The same adjustment factor is applied to all 5 volumes for a given stratum.
7. Populate the VDYP7 flat file with the adjusted attributes (point 2, 4, 5 & 6). Use date of ground sampling as reference year.
8. *Note:* the “R1\_ADJ\_INPUT\_ID” field in the VDYP7 flat input table *must* be filled in order to trigger the inclusion of Basal area @ 12.5, Lorey Height @ 7.5cm, Whole stem volume @7.5cm, WSV @ 12.5cm, Close Utilization (CU) volume @ 12.5cm, CU net decay @12.5cm and CU net decay & waste at 12.5cm in the projection process. The listed attributes are not used directly in computing volume yield, but their adjusted values are used as benchmarks from which project into the future starts.
9. *Pick 5 polygons from each of the strata, where attribute adjustment was applied to determine if the adjustment factors were applied appropriately.*
10. Generate adjusted attributes yield tables.

If you have questions or need further clarification on this procedure, please call Sam Otukol at 250-387-2659, or e-mail him at [sam.otukol@gov.bc.ca](mailto:sam.otukol@gov.bc.ca).