

or exceeds the height of the tree and (2) the tree's top, base, and live crown bottom can be seen.

- a. Measure the distance from the tree to the sighting location and input on the polycorder under the prompt HT DIST.
- b. Use a clinometer to measure the angle of sight to the top of the tree (TOP %), the base of the tree (BOT %), and the bottom of the live crown (LCR %). The clinometer is read on the right side of the scale (the + and percentage scale) to the nearest percentage (see Figure 3-8b). When gaps within the crown are greater than one-half the height of the main crown, they are excluded from the estimate; the heights of upper and lower portions of the crown are added together for the total figure. Any living branches are considered part of the live crown (see Figure 3-8a). A note should be made on the check list to indicate trees where epicormic branches make up a portion of the live crown.

Equipment

Polycorder	List of TI or shigometer trees in
Pencil	S-10 strip
Compass	Tree marking chalk
Chalk holders	50m loggers tape
Clinometer	

Evaluation

Figure 2-8 Live crown ratio and height and live crown measurement

use x+y not z