

**Environment Statistics Training - FDES Chapter 3.2 Environmental Resources and their use**

**Timber stock account**

	Year 1	Year 2	Year 3	Year 4	Year 5
	m <sup>3</sup> timber				
Opening stock	1,000.0				
Reductions					
Harvest	50.0	40.0	60.0	40.0	50.0
Fire and storm damage	20.0	15.0	25.0	18.0	10.0
Total reductions	70.0	55.0	85.0	58.0	60.0
Additions					
Regrowth	50.0				
Total Additions	50.0				
Closing stock	980.0				

=5% of opening stock

**Instructions: Calculate Opening Balances, Closing Balances, Regrowth, and Total Additions for Years 2 to 5.**

- Opening Stock for Year 2 is Closing Stock for Year 1
- Regrowth is 5% of Opening Stock

**At year 5:**

Indicator	m <sup>3</sup> timber
Average harvest	
(B) Average fire and storm damage	
(A) Expected "Year 6" additions	
Recommended "sustainable" harvest	

= 5% of Year 5 closing stock

= (A) - (B)

**Instructions: Calculate**

- Average Harvest for Years 1 to 5
- (B) Average fire and storm damage for Years 1 to 6
- (A) Expected "Year 6" Additions (= 5% of Year 5 Closing Stock)
- Recommended "sustainable" harvest (= (A) - (B))