What’s the Score?

Step 1.
Determine how many acres you plan for each land use. The total should be 400 acres.

(____ acres Wilderness) + (____ acres Trails) + (____ acres Campground) + (____ acres Hunting) + (____ acres Fishing) + (____ acres Timber Harvest) = _____ Total Acres

Step 2.
Calculate how many visitors per year this plan will attract to your community.

(____ acres Wilderness x 5 visitors/acre) + (____ acres Trails x 25 visitors/acre) + (____ acres Campground x 50 campers/acre) + (____ acres Hunting x 1 hunters/acre) + (____ acres Fishing x 2 anglers/acre) + (____ acres Timber Harvest x 5 visitors/acre) = _____ Total Visitors per Year

Step 3.
Calculate how this plan will affect the wildlife management indicator species. Compare the totals you get to the original population of 8 owls, 400 wood rats, and 10,000 salamanders.

Owls: (____ acres Wilderness) + (____ acres Hunting) + (____ acres Timber Harvest) = _____ acres that will support owls x 0.02 owls/acre = _____ Total Owls (Note: Round down to the nearest whole owl.)

Wood Rats: (____ acres Wilderness) + (____ acres Trails) + (____ acres Hunting) + (____ acres Timber Harvest) = _____ acres that will support wood rats x 1 wood rat/acre = _____ Total Wood Rats

Salamanders: (____ acres Wilderness) + (____ acres Hunting) + (____ acres Timber Harvest) = _____ acres that will support salamanders x 25 salamanders/acre = _____ Total Salamanders

Step 4.
Calculate how many miles of trail or road are needed for your plan.

(____ acres Trails) ÷ 6 acres/mile = _____ Total Miles of Trail
(____ acres Campground x 250 ft/acre) ÷ 5,280 ft/mile = _____ miles of road for Campground
(____ acres Hunting x 100 ft/acre) ÷ 5280 ft/mile = _____ miles of road for Hunting
(____ acres Timber Harvest x 100ft/acre) ÷ 5280 ft/mile = _____ miles of road for Timber Harvest

Step 5.
Calculate how many mature trees remain based on your plan.

(____ miles of Trail x 0.36 acres/mile) x 150 trees/acre = __________
(____ miles Campground road x 1.45 acres/mile) x 150 trees/acre = __________
(____ miles Hunting road x 1.45 acres/mile) x 150 trees/acre = __________
(____ acres of Fishing) x 150 trees/acre = __________
(____ miles Timber Harvest road x 1.45 acres/mile) x 150 trees/acre = __________
(____ acres Timber Harvest x 1/35 harvested) x 150 trees/acre = __________

Total trees removed __________

60,000 mature trees in 400-Acre Wood – trees removed = trees remaining __________

(continued on next page)
Step 6.
Calculate the revenue and costs associated with your plan, and determine the net profit or loss.

Revenue

**Fees (per year)**

- _____ Wilderness visitors x $2 fee per visitor = $______
- _____ Trails visitors x $2 fee per visitor = $______
- _____ Campground campers x $20 fee per site ÷ 2 campers per site = $______
- _____ hunters x $5 fee per hunter = $______
- _____ anglers x $2.50 fee per angler = $______
- _____ Timber Harvest visitors x $2 fee per visitor = $______

**Sale of Trees**

- _____ trees removed for Trails x $50 per tree = $______
- _____ trees removed for Campground road x $50 per tree = $______
- _____ trees removed for Hunting road x $50 per tree = $______
- _____ trees removed for Fishing x $50 per tree = $______
- _____ trees removed for Timber Harvest x $50 per tree = $______

Total Revenue $__________

Costs

**Management Costs (per year)**

- _____ acres Wilderness x $2.50 per acre = $______
- _____ acres Trails x $50 per acre = $______
- _____ acres Campground x $200 per acre = $______
- _____ acres Hunting x $5 per acre = $______
- _____ acres Fishing x $2.50 per acre = $______
- _____ acres Timber Harvest x $5 per acre = $______

**Construction Costs**

- _____ miles of Trail x $100 per mile = $______
- _____ miles Campground road x $600 per mile = $______
- _____ acres Campground x 4 sites per acre x $1000 per site = $______
- _____ miles Hunting road x $600 per mile = $______
- _____ acres Fishing x $3000 per acre = $______
- _____ miles Timber Harvest road x $600 per mile = $______

Total Costs $__________

Profit or Loss

(Total Revenue $__________) – (Total Costs $__________) = $__________ Net

If the Net amount is positive, it is a profit; if it is negative, it is a loss.