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)
What’s the Score? (continued)

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 = $______

Revenue

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 = $______

Management Costs (per year)

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 = $______

Construction Costs

Total Costs $__________

Profit or Loss

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

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