

Non-Point Source Pollution/Household

The director and staff of the Schmidt Center have requested your assistance in designing a new home for the site property manager. The final design and location of the new home needs to provide opportunities for minimizing non-point source pollution and other impacts to the environment. The house design should also include measures that will allow for long term environmental benefits and ease of maintenance. The Center needs your help in determining the location of the home as well as non-point source control practices for protecting the environment during and after construction.

Your job will be

- Minimize the house property and lawn area to less than 5 acres.
- To identify and justify a location for the home
- To develop a site plan for this new home that will include measures to reduce the amount of non-point source pollution that may come from this site. Some issues to think about include managing stormwater, erosion, and sediment control, septic systems, impervious surfaces, and minimizing disturbance to natural resources.
- Offer recommendations for maintaining the home in a way that will enhance the natural character of the Schmidt Center property. Issues such as dealing with plant and animal pests, cleaning the building, landscaping design and materials, runoff management and water conservation could be addressed.