

Tookany Creek Feasibility Study

DRAFT



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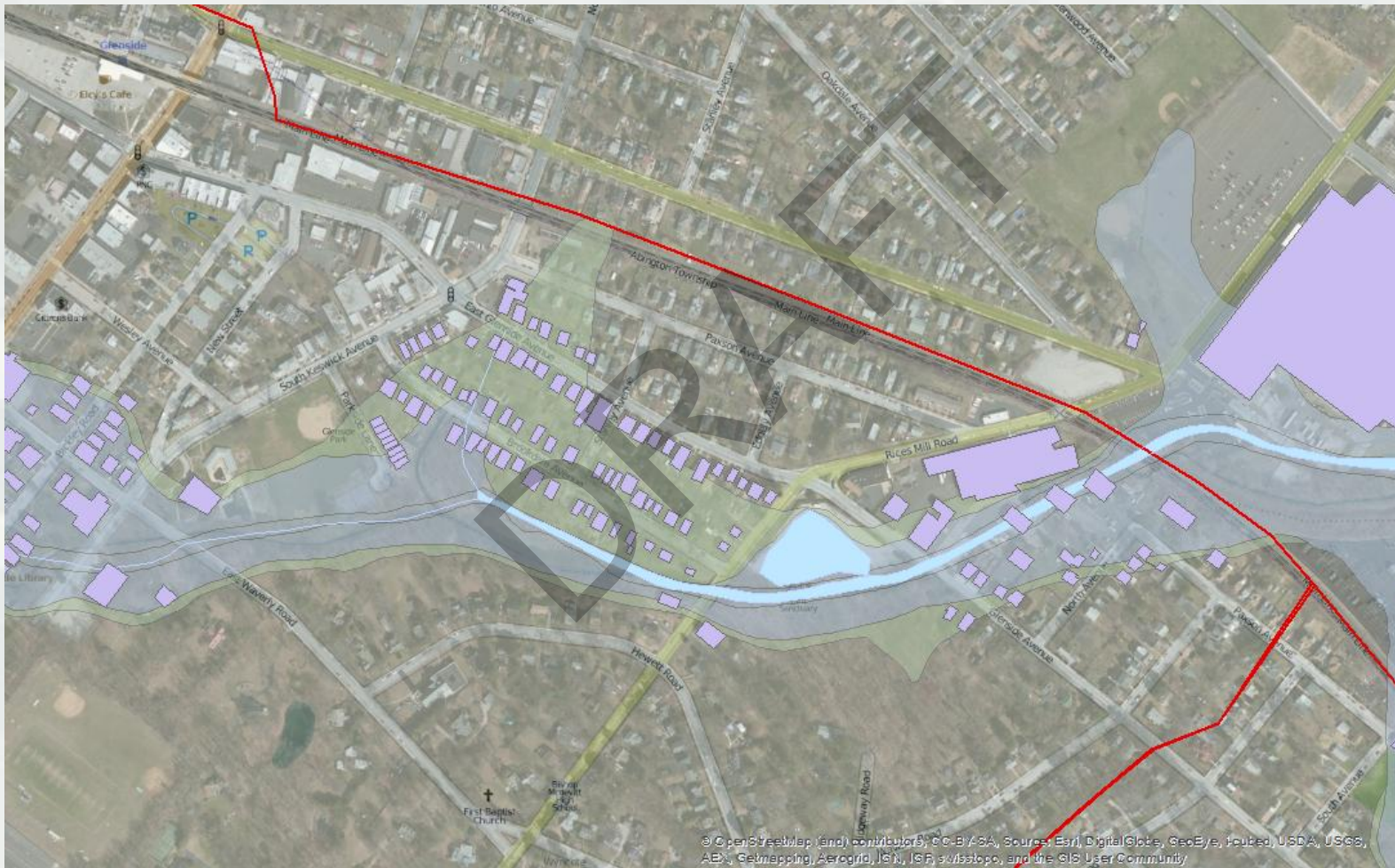
Economics Update

Project Benefits **MUST BE GREATER** than Project Costs

The **National Economic Development (NED) objective** is a policy that guides federal water resource planners in their choice of solutions to problems. Choice is the fundamental business of economics. Economics is the science of allocating resources based on rational choices. The objective of NED is to maximize increases in the net value of the **national output** of goods and services. Within the Corps, this is done by comparing the difference in the value (benefits) produced by the project to the value of the resources (costs) required to produce those goods and services or construct the project.



Geographic Information Systems (GIS)



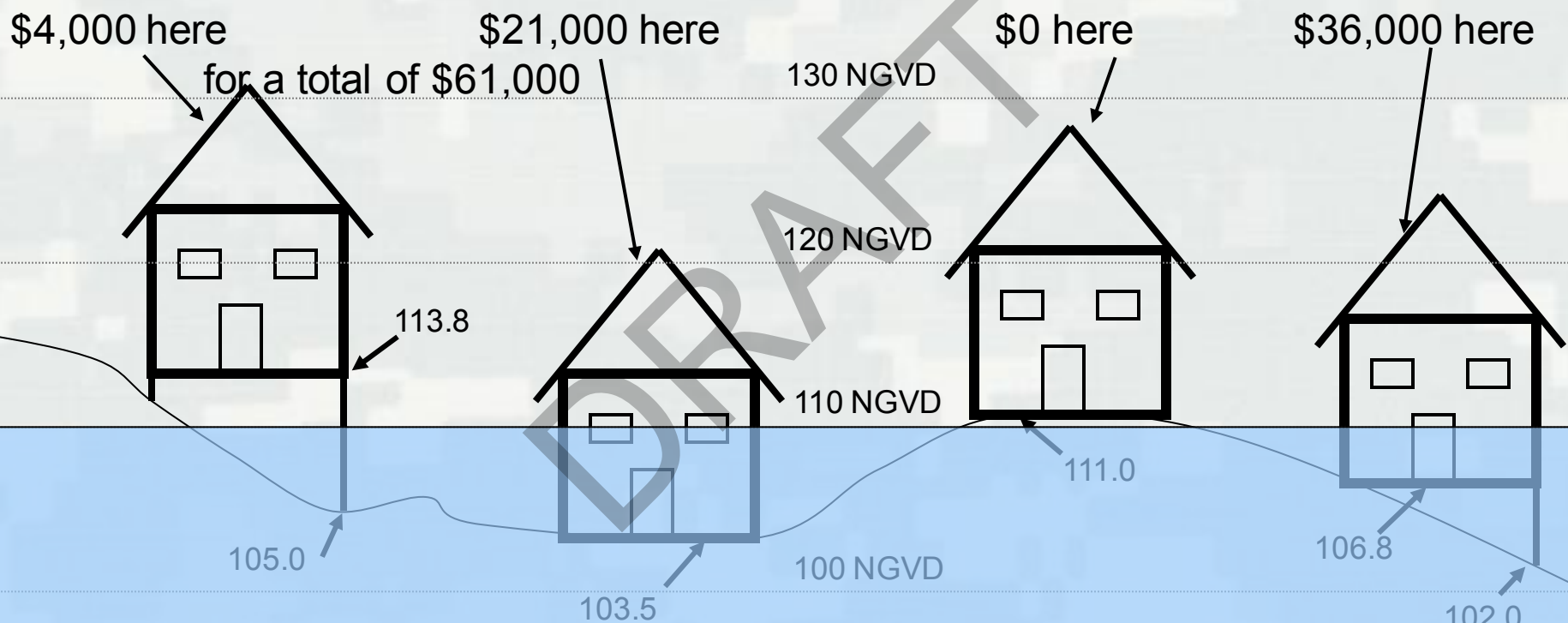
Data Collection

Structure Data Collection Requirements:

- Location of structure (reach, address)
- Elevation of structure (topography [ground elevation], first floor elevation)
- Type of structure (single family residential, public, etc.)
- Size of structure (square footage, number of stories)
- Type of construction (wood, brick, concrete, steel)
- Condition of structure (effective age)



The task is to estimate the total damages at every flood level taking into account the differences in elevations and structures.



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