

LNAPL Lifetime Calculator Example

Example Description

Site Description

A release from various sources occurred, totalling approximately **500,000 L**.

The estimated area of LNAPL impacts is **5 ha**.

The site had a measured NSZD rate of **5,500 L/ha/yr**.

The release occurred in **1965**.

We would like to know the status of the release to **2065**.

Inputs and Outputs in Toolbox

Initial Volume of LNAPL Body (L)	500000
Area of LNAPL Body (ha)	5
NSZD Rate (L/ha/yr)	5500
Model Start Year	1965
Model End Year	2065

Output and Interpretation

Applying the simple model, the top figure to the right shows the change in LNAPL volume over the course of 100 years assuming the **NSZD rate remains constant**. In the bottom figure, assuming the **NSZD rate decreases proportional to the LNAPL mass remaining**, the LNAPL volume over 100 years is shown.

