

Instructions

Data Sheet for Excavated Ponds

NE-ENG-36

Instructions for use of NE-ENG-36

The front part of the sheet is used to determine how much storage is needed for the purpose intended.

1. Where rainfall runoff is the intended source, water yields can be figured by methods show the EFM, Chapter 2. Instructions on how much yield is needed are contained in Field Office Technical Guide Standard 378.
2. Storage needed for irrigation reuse pits should be figured by the methods outlined in Chapter 6 of the National Irrigation Guide.

The back side of the sheet is a layout and stake sheet. All of the cuts shown are to El. 90.0, the planned elevation of the bottom. Once the structure is staked, the Quantity Computations at the bottom of the page can be made.

The rod readings shown in the boxes in example 36a are check out readings to verify that the Excavated Pond was built as planned. These calculations are not to be used for Quantity Calculations.

*Note: EFM (Engineering Field Manual) title has been changed to EFH (Engineering Field Handbook).

Support References

Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Standard – Pond, 378
<http://efotg.nrcs.usda.gov/references/public/NE/NE378.pdf>

Engineering Field Handbook, 210-VI-NEH-650.02 (New NRCS Directive No.), EFM-1H (Old NRCS Catalog Order No.), EFH Chapter 2, Corrections Estimating Runoff and Peak Discharges, 06/01/1990
<http://www.info.usda.gov/CED/ftp/CED/EFH-Ch02-amend.pdf>

Engineering Field Handbook, 210-VI-NEH-650.02 (New NRCS Directive No.), EFM-1G (Old NRCS Catalog Order No.), EFH Chapter 2, Estimating Runoff and Peak Discharges, 08/01/1989
<http://www.info.usda.gov/CED/ftp/CED/EFH-Ch02.pdf>

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