

Volume calculations Flowchart

Project name: _____

Date: ____/____/____

Stockpile (2 surfaces)



- 1) Add new project ☐
- 2) Add job description..... ☐
- 3) Input original survey with models prefix ☐
- 4) Triangulate original surface..... ☐
- 5) Verify triangles and contours for original surface..... ☐
- 6) Input stockpile survey with models prefix ☐
- 7) Triangulate stockpile surface..... ☐
- 8) Verify triangles and contours for stockpile surface..... ☐
- 9) Calculate volume by exact tin to tin method..... ☐

Stockpile (1 surface)



- 1) Add new project ☐
- 2) Add job description..... ☐
- 3) Input survey..... ☐
- 4) Duplicate outline of stockpile..... ☐
- 5) Triangulate stockpile outline..... ☐
- 6) Verify triangles and contours for outline surface..... ☐
- 7) Triangulate stockpile surface..... ☐
- 8) Verify triangles and contours for stockpile surface..... ☐
- 9) Calculate volume by exact tin to tin method..... ☐

Multiple Stockpiles (1 surface)



- 1) Add new project ☐
- 2) Add job description..... ☐
- 3) Input survey..... ☐
- 4) Duplicate outline of stockpiles..... ☐
- 5) Triangulate stockpile outlines..... ☐
- 6) Verify triangles and contours for outlines surface..... ☐
- 7) Triangulate stockpiles surface..... ☐
- 8) Verify triangles and contours for stockpiles surface..... ☐
- 9) Calculate volume by exact tin to tin method..... ☐
- 10) Append the previous report adding stockpile descriptions..... ☐

Dam capacity (1 surface)



- 1) Add new project..... ☐
- 2) Add job description..... ☐
- 3) Input survey..... ☐
- 4) Triangulate survey..... ☐
- 5) Verify triangles and contours for survey..... ☐
- 6) Calculate volume by exact storage calcs..... ☐

Surface comparison



- 1) Add new project..... ☐
- 2) Add job description..... ☐
- 3) Input data for 1st surface with models prefix ☐
- 4) Triangulate 1st surface..... ☐
- 5) Verify triangles and contours for 1st surface..... ☐
- 6) Input data for 2nd surface with models prefix ☐
- 7) Triangulate 2nd surface..... ☐
- 8) Verify triangles and contours for 2nd surface..... ☐
- 9) Create depth contours..... ☐
- 10) Create depth shading..... ☐
- 11) Tabulate shading range file..... ☐
- 12) Plot the results..... ☐

Grid cell



- 1) Add new project..... ☐
- 2) Add job description..... ☐
- 3) Input data for 1st surface with models prefix ☐
- 4) Triangulate 1st surface..... ☐
- 5) Verify triangles and contours for 1st surface..... ☐
- 6) Input data for 2nd surface with models prefix ☐
- 7) Triangulate 2nd surface..... ☐
- 8) Verify triangles and contours for 2nd surface..... ☐
- 9) Create volumes by Grid cell method..... ☐
- 10) Create depth contours to verify cell volumes..... ☐
- 11) Plot the results..... ☐