WEPP Tile Drainage
Accessed in Management Editor
Parameters

- Depth to tile
- Drainage Coefficient – hydraulic capacity in mm/day.
- Tile Diameter
- Tile Spacing – Spacing between tile drain rows in meters
Placement in Soil Profile
The soil should have a restricting layer set below the tile drain depth.

- This is set in the soil editor.
- Without a restricting layer, water will go to deep seepage.
# Effects on WEPP Simulation

<table>
<thead>
<tr>
<th></th>
<th>Tile Flow (mm/yr)</th>
<th>Deep Seepage (mm/yr)</th>
<th>Soil Water on Dec 31 (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Tile</td>
<td>0</td>
<td>6</td>
<td>609</td>
</tr>
<tr>
<td>4” tile at 20m spacing</td>
<td>138</td>
<td>6</td>
<td>497</td>
</tr>
<tr>
<td>4” tile at 5m spacing</td>
<td>156</td>
<td>6</td>
<td>482</td>
</tr>
</tbody>
</table>

1 year run; Des Moines, Iowa; Duncanon Soil with restricting layer; fallow management; 1% slope