Yao-Hochreiter-Leech (YHL) grid enhancement multiplier applied to wrong level when used to enhance spacer grid effect on turbulent kinetic energy (TKE).

The multiplier was shifted by one level when being applied to TKE.

A code-verification test was being developed for this feature and revealed the error.

Any time TKE is being used and the YHL model is employed. Currently, TKE is only used for crud simulations.

Only affects crud simulations. Crud erosion prediction will be affected. The grid effect will be shifted by one axial level in the model.
<table>
<thead>
<tr>
<th>Frequency/likelihood of error occurring</th>
<th>Will only occur when performing a crud simulation and using the YHL grid enhancement model.</th>
</tr>
</thead>
<tbody>
<tr>
<td>How can users determine if error affects their calculations?</td>
<td>n/a</td>
</tr>
<tr>
<td>What action should users take if error affects them?</td>
<td>There is no workaround for the error. The user should understand the grid effect will be shifted by one level. This has been fixed for the next release.</td>
</tr>
<tr>
<td>Is correction to code/data available?</td>
<td>The issue has been fixed in the next release.</td>
</tr>
<tr>
<td>How to obtain/install correction</td>
<td>Wait for next release.</td>
</tr>
</tbody>
</table>

**ADDITIONAL COMMENTS:**

**RESOLUTION:**

- [ ] Pending
- [x] Fixed
- [ ] Deferred
- [ ] Can’t be fixed
- [ ] Irreproducible
- [ ] As designed

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**DATE:** 8/6/2019

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**DATE:** 8/6/2019

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