

## HLWYM HEmails

---

**From:** B Hill [REDACTED]  
**Sent:** Monday, August 08, 2005 1:38 PM  
**To:** Donald Hooper  
**Subject:** Re: question about grid used in TEPHRA

Hola Don - Things are moving right along. I'm now massively in debt, as we closed on the new house in MD a week ago Friday. The movers are scheduled to come next Monday to do the packing, load on Tuesday, and we'll vamoose on Wed. If things go well, will try and stop by for lunch with y'all this week.

For TEPHRA, I stopped the grid at 20 km north as there would only be small amounts of ash at that distance. The fluvial source would be trivial, but averaging the deposit across the entire area (i.e., out to 0.1 mm depth, for example) covered by ash would dilute the effective mass per unit area approach used in fluvial and eolian redistribution.

So I thought it best to truncate to north at 20km, which also corresponds to about the extent of possible tephra in catchment basin (as opposed to depo basin) to south.

Additionally, the steep rocky terrane to north likely yields little eolian sed, as that area mostly is traps rather than ablading surfaces.

Pretty distinct from pavement surfaces that dominate terrane to south.

This distal northern component just doesn't add up to any significant amount of mass, relative to the proximal components, so it can be ignored.

None of this related to the RMEI location, but is based on distribution of tephra at analog basaltic scoria cones and changing characteristics of terrane away from the repos site.

I plan on starting at NRC after Labour Day, but will keep checking this email account daily if I can.

Selah-  
Britt

--- Don Hooper <[dhooper@cnwra.swri.edu](mailto:dhooper@cnwra.swri.edu)> wrote:

> Britt:  
>  
> I'll get right to the point. I hope all is going well with the move.  
>  
> Dick Codell had a question about the northern extent of the grid used  
> in TEPHRA. It does not go to the northern-most extent of the  
> catchment basin, but stops at 20 km. Does this go back to the old  
> receptor group location, a circle with a radius of 20 km from panel 1  
> at the potential repository? Or was some other logic involved?  
> Thanks.  
>  
> -Don Hooper  
>  
> 5aug05  
>  
>  
>

---

Start your day with Yahoo! - make it your home page <http://www.yahoo.com/r/hs>

**Hearing Identifier:** HLW\_YuccaMountain\_Hold\_EX  
**Email Number:** 1394

**Mail Envelope Properties** (20050808173742.67825.qmail)

**Subject:** Re: question about grid used in TEPHRA  
**Sent Date:** 8/8/2005 1:37:42 PM  
**Received Date:** 8/8/2005 1:38:20 PM  
**From:** B Hill

**Created By:** [REDACTED]

**Recipients:**  
"Donald Hooper" <dhooper@cnwra.swri.edu>  
Tracking Status: None

**Post Office:** web30811.mail.mud.yahoo.com

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	2195	8/8/2005 1:38:20 PM

**Options**  
**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**