

> Date: Fri, 20 Jan 2006 08:17:56 -0700 (MST)
> Subject: Re: Pu in suspended sediment in runoff
> From: "Bruce M. Gallaher" <gallaher@lanl.gov>
> To: "Debbie Finfrock" <dfinfrock63@yahoo.com>
>
> Debbie,
>
> I can see how this is confusing. I've inserted some answers below.
>
> > 1. Is upstream inclusive of samples taken upstream of LANL boundaries in
all canyons?
>
> These include only those canyons that drain onto current LANL lands:
> Water, CDV, Pajarito, and Los Alamos. (In some reports we also report
> Guaje Canyon data, but those were excluded from the bar chart you
specify).
>
> > 2. Where is LANL downstream?
>
> Same canyons as above.
>
> > 3. What canyons are included in downstream total, as the histograms look
nearly identical to Pueblo downstream?
>
> These include all the canyons on current LANL lands that cross SR-4, plus
> Pueblo because it contained residual LANL Pu contamination.
>
> So..we have Water, Ancho, Potrillo, Pajarito, Canada del Buey, Mort,
> Sandia, LA, and Pueblo. While Pueblo Canyon dominates that total
> downstream picture for Pu-239,240, in 2000 the other "LANL canyons" were
> more important in the transport of Cs-137 and Sr-90 ash).
>
> [Note that during the study period we did not have a storm runoff station
> on upper Pueblo Canyon. So, for Pueblo we were unable to show a direct
> upstream/downstream comparison, or fire associated versus LANL
> contamination comparison. The LANL canyons comparisons show directly the
> differences between what came on to current LANL lands versus what passed
> the downstream edge (SR-4) of current LANL lands.]
>
> > I could not locate the data for this table in the appendices of this
document - is it in the RENEAU et al 2003b reference provided at the end of
the paragraph?
>
> These were all values that Rich and I calculated and I'll have to dig
> through our spreadsheets to find the actual numbers. I've not been in the
> office this year due to a spine problem, but I think I have the file here
> at home. I'll try and get you something by COB today. Don't let me
> forget!
>
> Bruce

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