

From: Angela Jayko <ajayko@usgs.gov>
To: "Glenn Farris" <gfarris@omsoft.com>
Date: 1/5/2010 9:07 AM
Subject: Re: Pleistocene Lake Levels in Indian Wells Valley, CA

DOCKET
09-AFC-9
DATE <u>JAN 05 2010</u>
RECD. <u>MAR 11 2010</u>

Glen,

The last glacial highstand is well to the north in the Inyokern Quad. It doesn't occur in the Inyokern-SE or Ridgecrest-S quads. The terraces along the larger washes may be worth checking. I don't know that there would have been running water, but there may be paleospring complexes in the upper reaches of the washes, so lithic sites may be localized rather than strung out along the length of the wash. Good luck with it.

Angela

At 08:13 PM 1/4/2010 -0800, you wrote:

>Dear Angela,

> Thanks so much for the reply. Your suggestion of the possibility
> of a drainage running north into the lake from the El Paso Mountains does
> sound intriguing, so even if the shoreline didn't reach our area, there
> is the remote possibility of a fresh-water stream running into the lake
> that might have attracted people 12,000 or so years ago. I realize that
> I'm posing a whole string of hypotheticals here.

> Attached is a copy of a map showing the project area, in case it
> helps you out. Thanks for the lead for Diane Anderson. I'll try to get
> in touch with her.

> Best regards,
> Glenn

>----- Original Message ----- From: "Angela Jayko" <ajayko@usgs.gov>

>To: <gfarris@omsoft.com>

>Sent: Monday, January 04, 2010 5:29 PM

>Subject: Pleistocene Lake Levels in Indian Wells Valley, CA

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>>Glen,

>>I'm not familiar with the basins south of the Indian Wells and China Lake
>>area. You may try contacting Diane Anderson at diana.anderson@nau.edu. I
>>don't think the 10-12 ka shoreline reached the Inyokern quad, although the
>>last glacial highstand did reach its NE corner. There is however, a north
>>trending drainage that may have supported spring discharge and/or
>>wetlands along the upper-northern part of the IK-R quadrangle boundaries
>>during the very late Pleistocene. I haven't worked in the Indian Wells
>>Valley. A lot of work has been done by under contract for China Lake, but
>>I'm not familiar with those reports. I don't have the quadrangles for the
>>Inyokern area, if you have time to send a scan of the map area, I can
>>check the sections you refer to.

>>Best Regards,

>>Angela Jayko

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>>-----"Glenn Farris" <gfarris@omsoft.com> wrote: -----

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 >>To: <ajayko@usgs.gov>
 >>From: "Glenn Farris" <gfarris@omsoft.com>
 >>Date: 12/23/2009 10:18AM
 >>Subject: Pleistocene Lake Levels in Indian Wells Valley, CA

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 >>Dear Dr. Jayko,
 >>I was told you are an expert on the late Pleistocene lakes on the east
 >>side of the Sierra Nevada (by Alexander "Sandy" Rogers of the Maturango
 >>Museum in Ridgecrest). I have been working on a project for the
 >>California Energy Commission located about 5 miles SW of Ridgecrest that
 >>is being considered for a Solar Power plant. It is located in the
 >>southeastern end of T27S/R39E MDM, specifically in sections 14, 23, 24,
 >>25, 27, 34 and 35 in an area on the border between the Inyokern SE 7.5'
 >>quad and the Ridgecrest S 7.5' quad.
 >>As an archaeologist, I was wondering if the late Pleistocene-Early
 >>Holocene lake levels (especially around 10,000 to 12,000 BP) might have
 >>reached into that area? My interest, of course, is to determine the
 >>possibility of there having been any early lake edge human encampments in
 >>the area. Sandy said that he did not think the lake level reached this
 >>area, but suggested that I ask you.
 >>I am also looking at a site that lies NE of Koehn Dry Lake. This would be
 >>near the boundary between the Saltdale SE and the Garlock Quads,
 >>principally in T29S, R39E MDM, in sections 28, 31, 32, 33 and 34 and in
 >>T30S, R39E, N 1/2 of section 5. Again, I was wondering what might have
 >>been the upper levels of this old lake, if anyone has worked this out.
 >>Thanks for your help,
 >>Glenn Farris
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