



Rose, Shanna <slrose@usgs.gov>

Rumsey sediment data and load calculations -- two requests

O'halloran, Denis <dohall@usgs.gov>
To: Shanna Rose <slrose@usgs.gov>

Tue, Apr 30, 2019 at 9:54 AM

Her's what I sent Charlie yesterday, the daily files from "compute" window that I oned and saved in word.
(3 files; let me know if you received them with my forward.)

----- Forwarded message -----

From: **O'halloran, Denis** <dohall@usgs.gov>
Date: Mon, Apr 29, 2019 at 9:34 AM
Subject: Re: Rumsey sediment data and load calculations -- two requests
To: Denis J O'halloran <dohall@usgs.gov>

Hi Charlie:

Got bogged down a bit Friday in getting the new Q file into GCLAS but here are my results and attachments of Daily Values and Annual totals.

Discharge Total	SSC Mean	Annual Load
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1) Original August 2018 GCLAS work :

52,400 cfs	139 mg/l	267,000 t/d
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2) GCLAS recompute with new Projects/DWR Discharge Hourly record and Aug2018 samples Used:

87,900 cfs	136 mg/l	291,000 t/d
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3) GCLAS recompute with new Projects/DWR Discharge Hourly record and Aug2018 samples Used Updated:

87,900 cfs	130 mg/l	289,000 t/d
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A couple Notes:

There were a couple "0" flow days in your Projects/DWR file that I edited i some interpolated values; not too much effect on anything probably .There were come aros near start of record on som elow flow days that I didn't update.

May 2015 is included in these calculations so comparing to other years that GCLAS only computed to 4/30 should be kept in mine. In 2015 Reservoir releases kicke dup significantly near start of March.

Not much change in annual loads despite huge change in annula water discharge - major flow events must have computed about the same.

Let me know if you need this data in another format; I felt these were best for display purposes.:

The "1) file is from August GCLAS calcs

2 is the same samples used in original with new Q's

3 is after I re-reviewed samples in 2 and changed how we we used some samples for GCLAS computation (not much change to annual total)

On Thu, Apr 25, 2019 at 5:23 PM O'halloran, Denis <dohall@usgs.gov> wrote:

[Quoted text hidden]

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Denis O'Halloran
Sediment Data Specialist/FERC Coordinator
US Geological Survey
6000 J. St , Placer Hall
Sacramento, CA 95819
Office (Mon,Wed) (916) 278-3168

| Cell (Tu,Thur,Fri) (530) 412-0578

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Denis O'Halloran
Sediment Data Specialist/FERC Coordinator
US Geological Survey
6000 J. St , Placer Hall
Sacramento, CA 95819
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3 attachments



11451800.15GclasDailyAnnualDVReportoriginalgpfFOandProjectsSamples082818.docx

16K



11451800.15GCLASrecomputeDailyValuesWithProjectsDWRQandAug2018sedgcl.docx

16K



11451800.15GCLASrecomputeDailyValuesWithProjectsDWRQandUpdatedSamplegcl.docx

16K