



IN REPLY
REFER TO:

United States Department of the Interior

BUREAU OF RECLAMATION
Central Valley Operations Office
3310 El Camino Avenue, Suite 300
Sacramento, California 95821

RECEIVED

MAR 15 2016

NAT'L MARINE FISHERIES SVS
SACRAMENTO, CA

CVO-100
WTR-2.00

MAR 15 2016

00734

VIA ELECTRONIC MAIL

Ms. Maria Rea
Sacramento Area Supervisor
National Marine Fisheries Service
650 Capitol Mall, Suite 8-300
Sacramento, California 95814-4708

Subject: Transmittal of February 16 Sacramento River Temperature Forecasts per RPA I.2.3

Dear Ms. Rea:

As required by the 2009 National Marine Fisheries Service Biological Opinion Reasonable and Prudent Actions (RPA) Action number I.2.3, please find attached a preliminary set of Sacramento River temperature model results targeting various water temperatures through Redding and at the Keswick Dam release point. These analyses are based on the February 1, 2016, hydrologic conditions and forecasted reservoir inflow assuming a 90% exceedance hydrology, a 75% exceedance hydrology and a 50% exceedance hydrology.

These model results are being provided to you only as information at this point, and no CVP allocations have been made based on these modeling runs. In the near future, Reclamation will be updating these temperature analyses based on recent storm events and new estimates of hydrology. Your staff has been very helpful in providing technical assistance to help prepare this year's temperature plan.

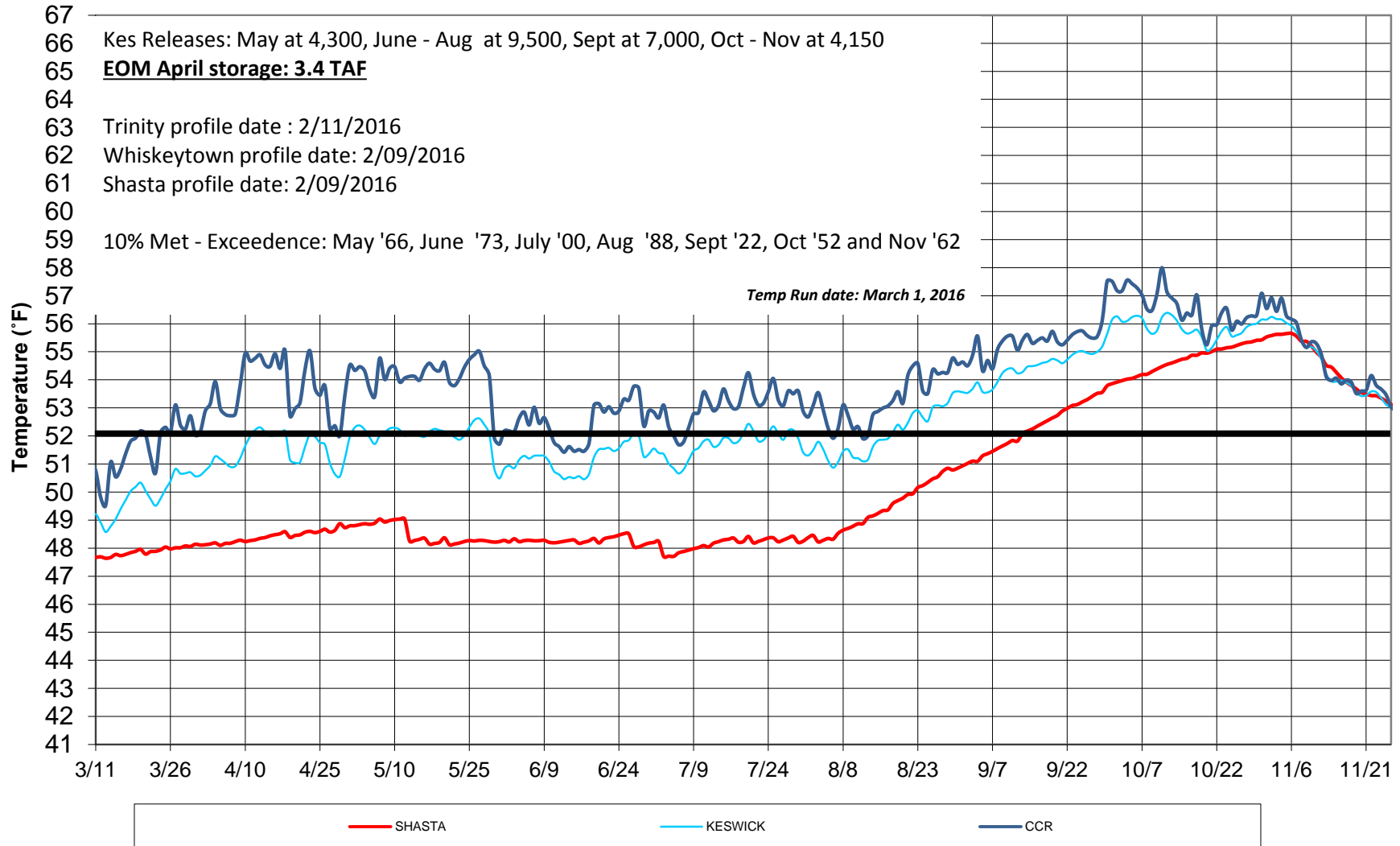
Once our new operations forecasts and temperature model runs are complete, we will forward this material to your office for concurrence and consistency with RPA Action I.2.3. If you have any questions, please contact Ms. Elizabeth Kiteck at 916-979-2197.

Sincerely

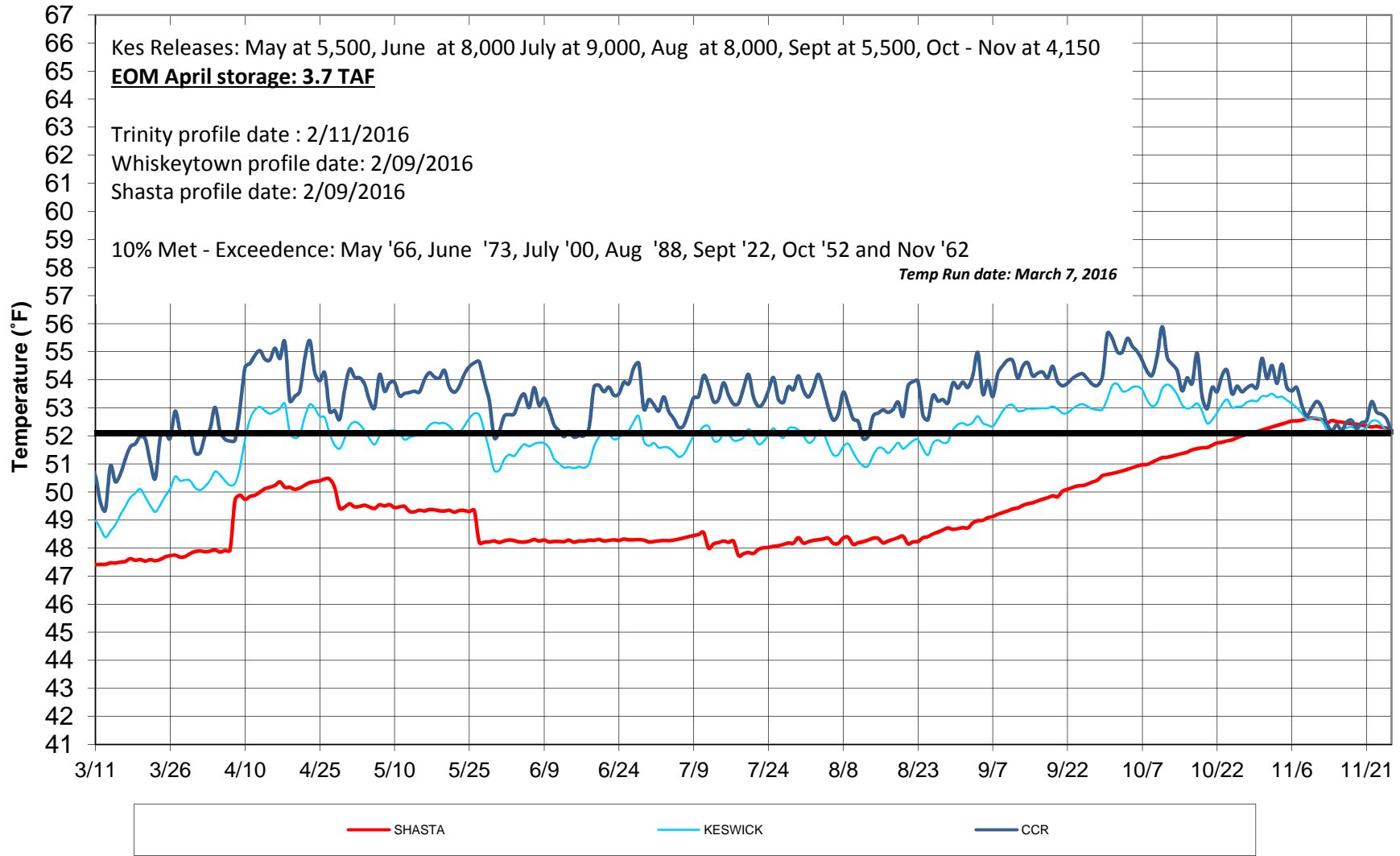
Ronald Milligan
Operations Manager

Enc.

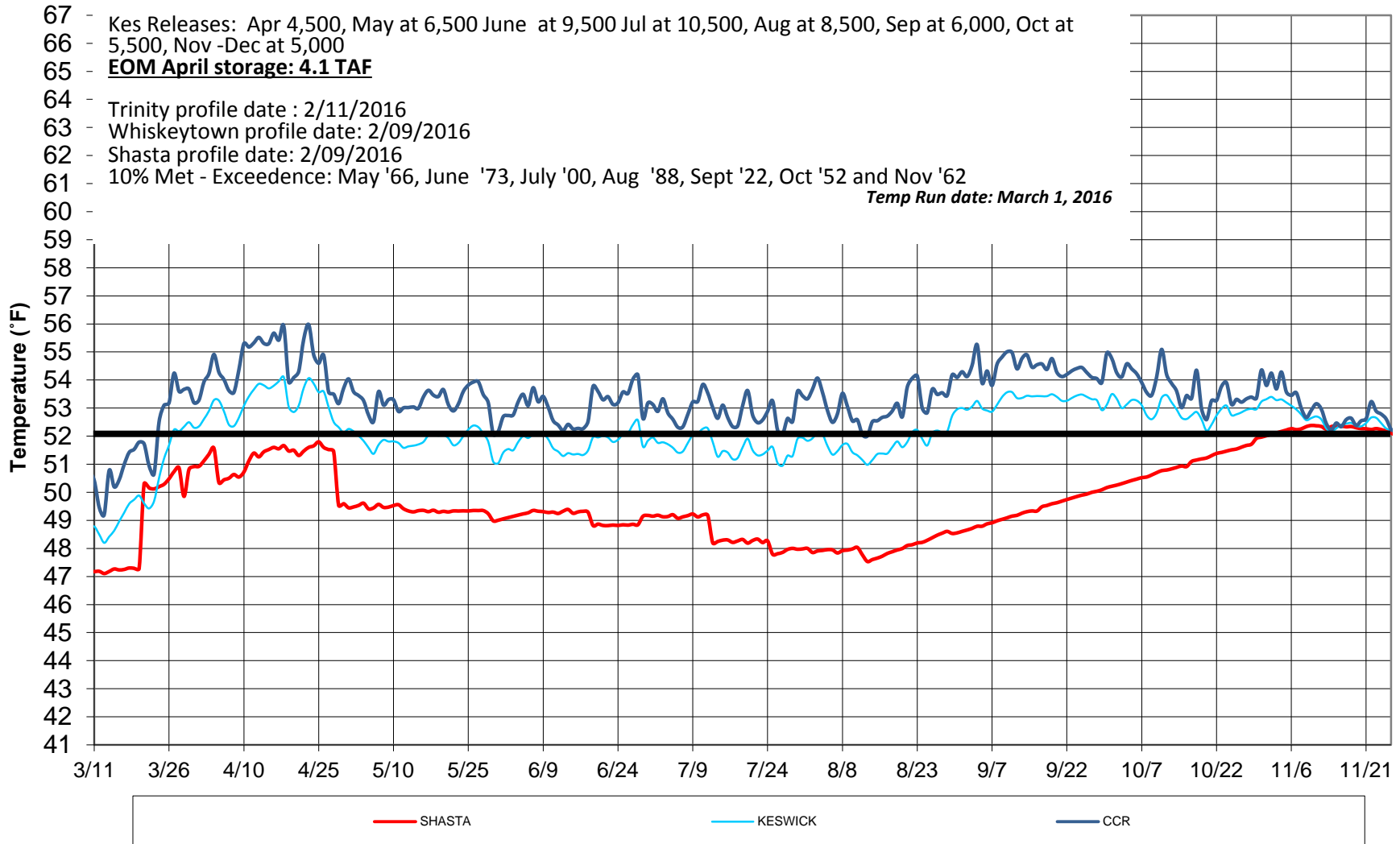
Sacramento River Modeled Temperature 2016 Feb 90%-Exceedance Outlook - 10% L3MTO Historical Approximately 52 degree at Kes



**Sacramento River Modeled Temperature
 2016 Feb 75%-Exceedance Outlook - 10% L3MTO Historical
 Approximately 52 degree at Kes**



**Sacramento River Modeled Temperature
2016 Feb 50% Exceedance Outlook - 10% L3MTO Historical
Approximately 52 degree at Kes**



67 - Kes Releases: Apr 4,500, May at 6,500 June at 9,500 Jul at 10,500, Aug at 8,500, Sep at 6,000, Oct at
 66 - 5,500, Nov -Dec at 5,000
 65 - **EOM April storage: 4.1 TAF**
 64 - Trinity profile date : 2/11/2016
 63 - Whiskeytown profile date: 2/09/2016
 62 - Shasta profile date: 2/09/2016
 61 - 10% Met - Exceedance: May '66, June '73, July '00, Aug '88, Sept '22, Oct '52 and Nov '62
 60 - *Temp Run date: March 1, 2016*