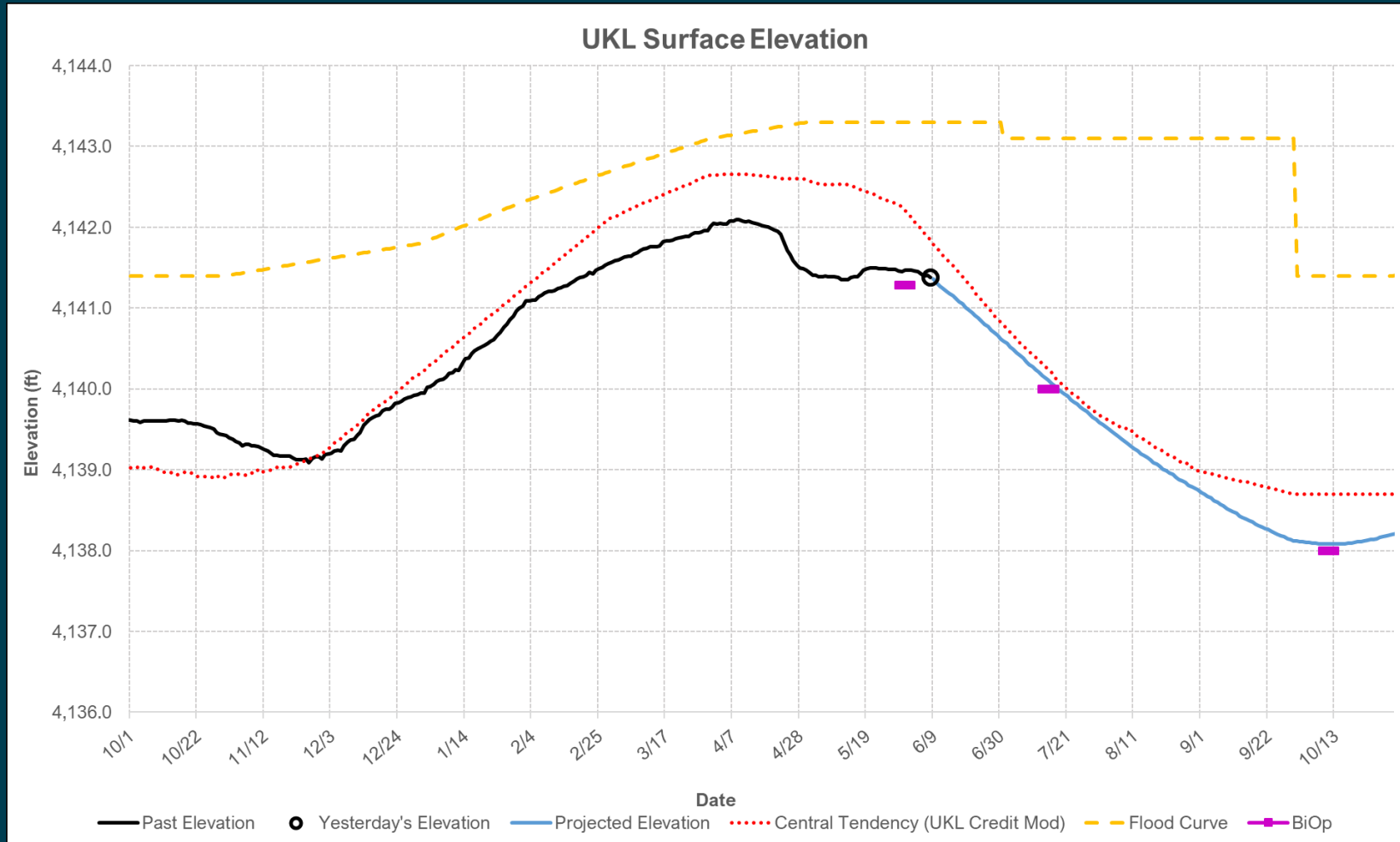


Klamath River Basin 2020 Water Supply

Allocation of Project Supply and EWA Augmentation
June 9, 2020



Scenario – NRCS Jun-Sep 70% Exceed Inflow, 140 TAF Project Supply, 8 TAF June Augmentation, 15 TAF PacPower Payback



Scenario – NRCS Jun-Sep 70% Exceed Inflow, 140 TAF Project Supply, 8 TAF June Augmentation, 15 TAF PacPower Payback

Today's Date: Tuesday, June 9, 2020

Seasonal Elevation Thresholds

Date	UKL Elev (ft)	BiOp Elev (ft)	Vol. abv BiOp (AF)
May 31	4141.47	4141.28	16,720
July 15	4140.11	4140	8,408
September 30	4,138.12	4138.25	-8,906
WY Low	4138.08	4138	5,440

EWA Spent, *Observed* & Projected

Date	Cumulative Volume (AF)
as of	
June 9	210,589
July 1	266,615
October 1	413,066
EWA Allocation (AF)	400,000
Spent by Oct 1 (%)	103%
Augmentation Delivered (AF)	7,004
Further Augmentation (Y/N)?	YES
Further Augmentation Vol. (AF)	8,033

UKL Net Inflow

Date Range	Cumulative Inflow (AF)	Date Range	Cumulative Inflow (AF)
<i>Observed</i>		<i>Projected</i>	
Oct 1 - yesterday	643,112	Oct-Sep	695,288
Jan 1 - yesterday	413,570	Jan-Sep	465,746
Feb 1 - yesterday	302,186	Feb-Sep	354,362
Mar 1 - yesterday	225,634	Mar-Sep	277,811
Apr 1 - yesterday	152,076	Apr-Sep	204,252
May 1 - yesterday	83,805	May-Sep	135,981
Jun 1 - yesterday	8,824	Jun-Sep	61,001
Jul 1 - yesterday	0	Jul-Sep	36,635
Aug 1 - yesterday	0	Aug-Sep	29,504
Sep 1 - yesterday	0	Sep	20,842

Upper Klamath Lake Inflow Forecast (AF)

Forecast Span	Exceedance (%) ***				Current Ops
Jun-Sep	25	30	50	70	61,001
NRCS*		102,000	81,000	61,000	
CNRFC**	110,614		94,469		85,043

* Reflects June 2020 official forecast

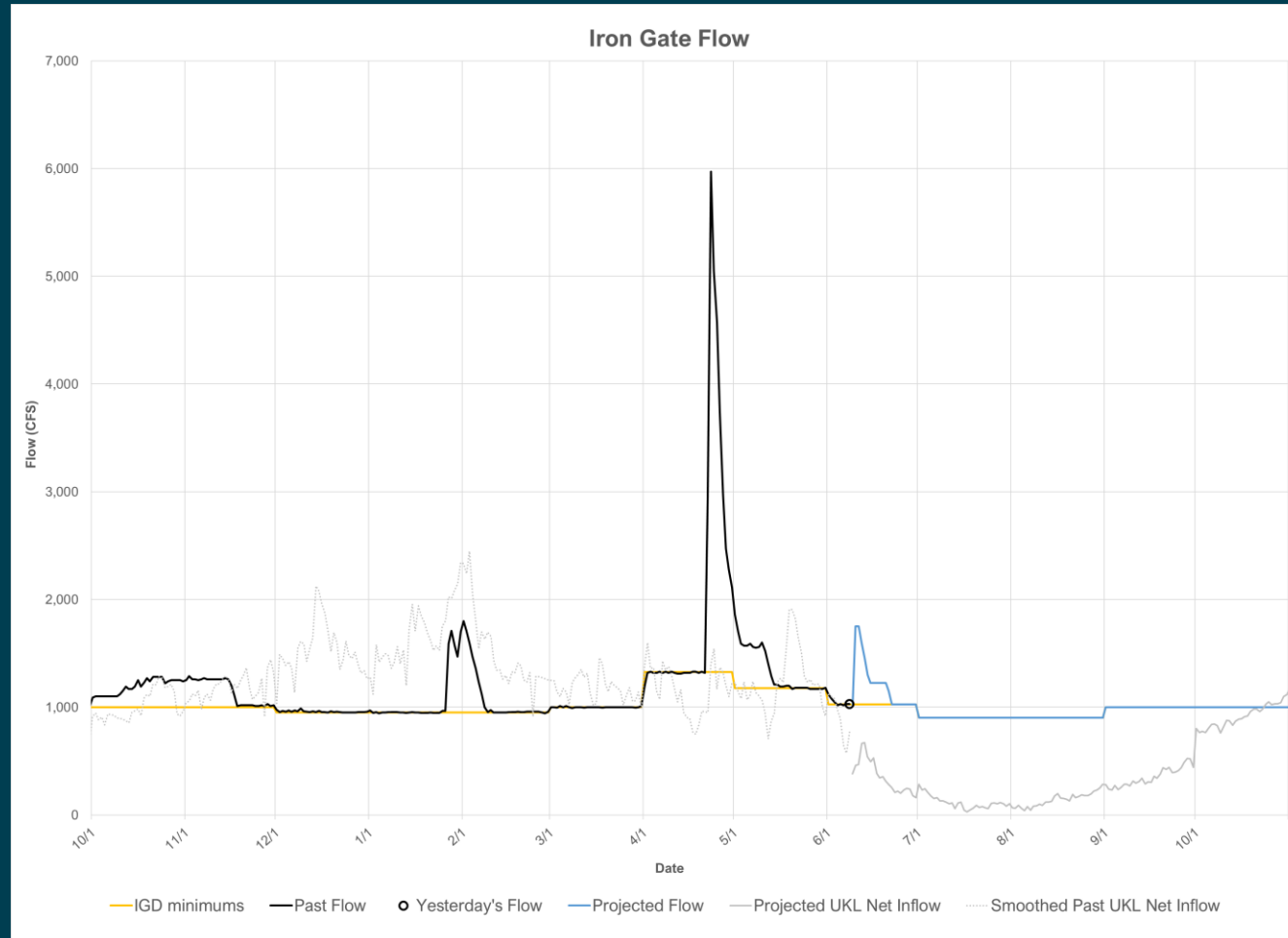
** Reflects 6/1/2020 updated values

*** Probability that inflows will exceed forecast value

Project Supply (AF)	140,000
Used Supply (AF)	40,345
Ag from UKL Remaining Supply (AF)	99,655



Scenario – NRCS Jun-Sep 70% Exceed Inflow, 140 TAF Project Supply, 8 TAF June Augmentation, 15 TAF PacPower Payback



Scenario – NRCS Jun-Sep 70% Exceed Inflow, 140 TAF Project Supply, 8 TAF June Augmentation, 15 TAF PacPower Payback

IGD Release Date	IGD Flow Volume (CFS)	Augment Flow (CFS)	Cumulative Volume (AF)
6/10/2020	1,750	725	1,438
6/11/2020	1,750	725	2,876
6/12/2020	1,600	575	4,017
6/13/2020	1,450	425	4,860
6/14/2020	1,300	275	5,405
6/15/2020	1,225	200	5,802
6/16/2020	1,225	200	6,198
6/17/2020	1,225	200	6,595
6/18/2020	1,225	200	6,992
6/19/2020	1,225	200	7,388
6/20/2020	1,225	200	7,785
6/21/2020	1,150	125	8,033
6/22/2020	1,025	0	



Scenario – NRCS Jun-Sep 70% Exceed Inflow, 140 TAF Project Supply, 8 TAF June Augmentation, 15 TAF PacPower Payback

Metadata

• **Accretions exceedance settings**

- **Lake Ewauna**
 - 60%, 7 days
 - 70%, 14 days (to reflect higher demand)
 - 75%, default through September
- **Keno->Iron Gate**
 - 75%, 7 days
 - 80%, 14 days
 - 75%, default through September

• **October, November Inflow forecast**

- **October: 75% exceedance**
- **November: 65% exceedance**

• **PacPower payback**

- **See table to right**
- **Provisional**

Date of Payback	Volume (AF)	Remaining Debt (AF)
6/10/2020	500	-14500
6/11/2020	500	-14000
6/12/2020	500	-13500
6/13/2020	500	-13000
6/14/2020	500	-12500
6/15/2020	500	-12000
6/16/2020	500	-11500
6/17/2020	500	-11000
6/18/2020	500	-10500
6/19/2020	500	-10000
6/20/2020	500	-9500
6/21/2020	500	-9000
6/22/2020	500	-8500
6/23/2020	500	-8000
6/24/2020	500	-7500
6/25/2020	500	-7000
6/26/2020	500	-6500
6/27/2020	500	-6000
6/28/2020	500	-5500
6/29/2020	500	-5000
6/30/2020	500	-4500
7/1/2020	500	-4000
7/2/2020	500	-3500
7/3/2020	500	-3000
7/4/2020	500	-2500
7/5/2020	500	-2000
7/6/2020	500	-1500
7/7/2020	500	-1000
7/8/2020	500	-500
7/9/2020	500	0

