



Klamath River Outmigrant Monitoring Update — July 4, 2025

Synopsis: The outmigration of juvenile salmonids is monitored annually on the mainstem Klamath River by the USFWS Arcata Fish and Wildlife Office (AFWO), the Karuk Tribe of California, and the Yurok Tribe of California. The objectives of this collaborative project are to:

1. Estimate the weekly abundance of juvenile Chinook Salmon and collect pertinent biological data such as fork length and presence of clinical signs of disease at three selected locations on the mainstem Klamath River.
2. Examine subsamples of Chinook Salmon, Coho Salmon, and steelhead for external disease indicators and collect, preserve, and deliver weekly-stratified, random samples of young-of-the-year (YOY) Chinook Salmon to the Service's California–Nevada Fish Health Center (CA–NV FHC) for conducting qPCR assays to estimate *Ceratonova shasta* infection rate in the outmigrant population.
3. Collect relative abundance and biological data on Coho Salmon and steelhead at the three locations on the mainstem Klamath River.

Information generated by this study are used for a variety of purposes, including stock-recruitment analyses, to inform flow management decisions, to further refine a fish disease model, and to validate and calibrate the S3 (Stream Salmonid Simulator) Chinook Salmon production model, among others.

Monitoring is conducted at three sites on the mainstem Klamath River between Iron Gate Dam (IGD; rkm 309.65) and the Trinity River confluence (rkm 64.3). The upstream-most site is the 'I-5 Trap Site' (rkm 293.55), which is positioned on the left bank downstream of the Carson Creek confluence and upstream of the I-5 bridge river crossing. The 'Kinsman Trap Site' (rkm 237.55–238.56) consists of two traps separated by ~1km. The upstream trap is located on the left bank of the main channel downstream of the confluence of Horse Creek. The downstream trap is located on the left bank is positioned in a side channel on the left bank just upstream of the Kinsman Creek confluence. The 'Weitchpec Trap Site' (rkm 65) is the farthest downstream and is 0.7 km upstream of the Trinity River confluence behind the Yurok Tribal office in Weitchpec, California. Monitoring at 'Bogus Trap Site' (rkm 307.75), used in previous years, will not be conducted in 2025 following the removal of the Klamath dams.

Sampling at the I-5 Trap Site is conducted using two in-line 8-ft diameter rotary screw traps (RST). The Kinsman Trap Site consists of one 8-ft diameter RST upstream and one 5-ft diameter RST in the downstream side channel. The Weitchpec trap site has one 8-ft diameter RST on the left bank and may additionally use one or two 3.1-m by 1.6-m frame nets on the right bank. Traps are typically operated four nights per week (Monday through Thursday) and checked once daily while in operation. Trapping began the week of March 11 [Calendar Week (CW) 11] at the I-5 and Kinsman sites, and in Calendar Week 23 at the Weitchpec trap site in 2025.

This project update provides an in-season summary of the weekly total catch (Table 1) and mean catch-per-day (Table 2) of Chinook Salmon, Coho Salmon, and steelhead at each trap site. Trap efficiency, a measure of the proportion of fish moving past a trap site that are caught, varies weekly. *Therefore, raw catch numbers are not representative of actual abundance and we advise against using weekly raw catch numbers to make inferences on temporal abundance. Cumulative preliminary estimates are not provided at this time, as we lack the necessary mark-recapture trials*

to inform our estimates. If we can find a workaround, we will reintroduce them in future updates. Weekly estimates of mean fork length of YOY Chinook and Coho salmon from each of the four trap sites are provided in Table 3.

See Table 4 for a weekly stratified summary of clinical signs of disease observed in the catch for the trap and seine sites. Note that these data are based on the visual presence of external symptoms of disease, which may not always be revealed by infected fish. The percentage of live YOY Chinook Salmon in the trap and seine catches that exhibit distended bellies, gill fungus, and pale gills are presented separately for each site on a weekly basis. Distended bellies may be a clinical sign of infection by the myxosporean parasites, *Ceratonova shasta* and *Parvicapsula minibicornis*. Gills of juvenile salmonids ≥ 45 mm FL are evaluated for color (red, pale/pink, white, or tan) and condition (normal, eroded, or fungal). Pale gills may be due to anemia associated with *P. minibicornis* infection. Gill fungus is likely *Saprolegnia* growing upon a columnaris (*Flavobacterium columnare*) infection.

To determine infection rates more accurately for the outmigrant juvenile Chinook Salmon population passing the Kinsman Trap Site, I-5 Trap Site, and Weitchpec Trap Site, weekly-stratified random samples are collected, preserved, and delivered to the California–Nevada Fish Health Center (CA–NV FHC) to process using qPCR assays. The CA–NV FHC investigates infection rates of *C. shasta* and other pathogens in juvenile salmonids in the Klamath River annually. The CA–NV FHC releases regular updates (available on the [USFWS online library](#)) and a final report for each season.

Daily mean discharge below IGD (Figure 3) and at the Kinsman Trap Site (Figure 4), from late February to July, are provided to help portray pertinent flow conditions. Discharge at the I-5 trap site are represented by USGS Gauging Station 11516530 (Klamath River below IGD, California). Discharge at USGS 11520500 (Klamath River near Seiad Valley, California) minus discharge at USGS 11519500 (Scott River near Fort Jones, California) is used as a surrogate flow for the Kinsman Trap Site.

If you have any questions regarding this summary, please contact Aaron Masse-Bachelier (aaron_masse-bachelier@fws.gov) or Steve Gough (steve_gough@fws.gov).

Table 1. In-season summary of the total catch by week of adipose fin-clipped (AD Clip) and non-adipose fin-clipped (No Clip) Chinook Salmon, Steelhead, and Coho Salmon by trap at the I-5 and Kinsman trap sites on the mainstem Klamath River, 2025. Note that RST = rotary screw trap, UPS = upstream, DNS = downstream, and YOY = young-of-the-year.

Preliminary Data - Subject to Revision																
Trap	Calendar week	Sample dates	Q (cfs) ^a		Water temp. (°F) ^b		Trapping days	Chinook (<i>O. tshawytscha</i>)			Coho (<i>O. kisutch</i>)			Steelhead (<i>O. mykiss</i>)		
			Min	Max	Min	Max		YOY			YOY	Age 1 +		YOY	Age 1 +	
								No clip	AD clip	Age 1+		No clip	AD clip		No clip	AD clip
I-5 UPS RST	19	5/7-5/9	2,380	2,670	54.3	59.2	3	0	0	0	2	1	11	0	2	0
	20	5/13-5/16	2,250	2,400	56.2	57.4	4	2	0	0	1	2	19	0	4	0
	21	5/20-5/23	2,280	2,320	56.9	59.7	4	11	0	0	1	1	15	0	7	0
	22	5/28-5/30	1,970	2,000	63.9	64.6	3	18	0	0	10	3	1	1	3	0
	23	6/3-6/6	1,410	1,580	63.7	65.3	4	29	0	0	5	0	0	1	4	0
	24	6/10-6/13	1,310	1,370	65.1	68.8	4	71	0	0	25	0	0	2	10	0
	25	6/17-6/20	1,290	1,300	64.1	65.3	4	31	0	0	6	0	0	4	1	0
	26	6/24-6/27	1,220	1,230	62.2	65	4	7	0	0	3	0	0	5	5	0
27	7/1-7/3	981	1,120	67.4	68.2	3	3	0	0	2	0	0	5	2	0	
I-5 DNS RST	11	3/11-3/14	2,970	3,100	47.5	47.5	1	0	0	0	0	0	0	0	0	0
	12	3/18-3/21	4,300	5,500	41.3	43.1	1	2	0	1	0	0	0	0	0	0
	13	3/25-3/28	4,500	4,800	47.4	50.5	4	0	0	0	1	0	5	0	1	0
	14	4/1-4/4	5,000	5,750	44.4	45.6	4	0	0	0	0	0	8	0	0	0
	15	4/8-4/11	5,250	5,250	50.1	53.5	4	0	0	0	0	2	1	0	1	0
	16	4/15-4/18	4,180	4,610	54.0	55.2	4	0	0	0	6	1	5	0	4	0
	17	4/22-4/25	3,300	3,600	54.7	57.0	4	3	0	0	4	18	8	0	5	0
	18	4/29-5/2	3,020	3,810	55.0	55.8	3	3	0	1	2	3	14	0	2	0
	19	5/6-5/9	2,380	2,950	57.3	59.5	4	0	0	0	0	0	16	0	2	0
	20	5/13-5/16	2,250	2,400	56.2	57.4	4	1	0	0	2	2	5	1	1	0
	21	5/20-5/23	2,280	2,320	56.9	59.6	4	6	0	0	3	1	4	0	0	0
	22	5/28-5/30	1,970	2,000	63.9	64.6	3	5	0	0	6	0	2	0	3	0
	23	6/3-6/6	1,410	1,580	63.7	65.3	4	37	0	0	3	0	0	0	2	0
	24	6/10-6/13	1,310	1,370	65.1	68.8	4	63	0	0	12	0	0	3	0	0
	25	6/17-6/20	1,290	1,300	64.1	65.3	4	26	0	0	7	0	0	8	0	0
	26	6/24-6/27	1,220	1,230	62.2	65	4	7	0	0	0	0	0	2	0	0
	27	7/1-7/3	981	1,120	67.4	68.2	2	8	0	0	2	0	0	2	3	0
	Kinsman RST	11	3/12-3/13	4,560	5,100	45.1	46.8	2	0	0	0	0	0	0	0	1
12		3/18-3/21	9,280	10,050	42.4	44.9	3	0	0	0	0	2	0	0	1	0
13		3/25-3/28	7,800	8,570	48.5	50.6	4	0	0	0	0	3	0	1	3	0
14		4/1-4/4	8,400	9,100	45.4	48.1	4	0	0	0	0	0	0	0	0	0
15		4/8-4/11	8,700	9,100	49.8	56.3	4	0	0	1	0	2	0	0	0	0
16		4/15-4/18	7,160	7,700	54.0	56.8	4	4	0	2	0	1	0	0	3	0
17		4/22-4/25	5,800	6,250	54.2	57.4	4	44	0	3	19	8	0	1	4	0
18		4/29-5/2	5,280	5,920	54.1	59.7	4	98	1	0	22	6	0	0	0	5
19		5/6-5/9	4,570	5,330	56.3	59.4	4	29	0	2	12	0	1	1	0	0
20		5/13-5/16	3,960	4,440	56.4	58.0	4	85	0	0	1	1	1	0	6	0
21		5/20-5/23	3,640	3,780	57.3	61.1	4	10	0	0	1	0	0	0	1	0
22		5/28-5/30	3,360	3,440	63.3	64.8	3	7	0	0	0	0	0	1	0	0
23		6/3-6/6	2,444	2,850	62.3	67.2	4	50	0	0	2	0	0	1	2	0
24		6/10-6/13	2,076	2,421	68.0	70.9	4	50	0	0	2	0	0	0	6	0
25		6/17-6/20	1,873	1,913	65.8	70.8	4	28	0	0	2	0	0	1	3	0
26		6/24-6/27	1,703	1,795	65.2	69.5	4	12	0	0	0	0	0	1	3	0
27		7/3-7/3	1,527	1,527	70.9	70.9	1	2	0	0	4	0	0	0	4	0
Kinsman UPS RST		11	3/12-3/13	4,560	5,100	46.8	46.8	1	0	0	0	0	2	0	0	0
	12	3/18-3/19	9,850	10,050	42.4	43.2	2	0	0	0	0	0	0	0	0	0
	13	3/25-3/28	7,800	8,570	48.4	50.6	2	0	0	0	0	1	0	0	1	0
	14	4/1-4/4	8,400	9,100	45.5	47.2	4	0	0	0	0	0	0	0	0	0
	15	4/8-4/11	8,700	9,100	49.8	55.1	4	0	0	0	0	2	0	1	2	0
	16	4/15-4/18	7,160	7,700	54.1	55.2	4	1	0	0	1	0	1	0	6	0
	17	4/22-4/25	5,800	6,250	54.1	56.1	4	16	0	13	3	4	0	0	5	0
	18	4/29-5/2	5,280	5,920	54.0	58.7	3	233	0	0	1	3	1	1	14	0
	19	5/6-5/8	4,670	5,330	56.4	57.0	3	77	1	5	0	1	0	0	10	0
	20	5/13-5/16	3,960	4,440	54.8	57.4	4	127	0	0	2	0	0	2	2	0
	21	5/20-5/23	3,640	3,780	56.6	61.0	4	374	0	0	0	1	2	2	6	0
	22	5/28-5/30	3,360	3,440	63.3	64.4	3	105	0	0	5	0	0	0	0	0
	23	6/3-6/6	2,444	2,850	62.6	66.6	4	99	0	1	3	0	0	0	3	0
	24	6/10-6/13	2,076	2,421	67.6	69.7	4	60	0	0	0	1	0	1	4	0
	25	6/17-6/20	1,873	1,913	65.3	69.4	4	52	0	0	0	0	0	4	5	0
	26	6/24-6/27	1,703	1,795	65.1	68.5	4	21	0	0	1	0	0	2	3	0
	27	7/3-7/3	1,527	1,527	70.4	70.4	1	3	0	0	0	0	0	1	1	0
	Weitchpec RST	23	6/3-6/6	7,070	8,140	62.0	64.4	4	90	0	2	1	2	0	1	27
24		6/10-6/13	5,680	6,860	65.2	69.0	3	337	0	1	0	0	0	0	11	0
25		6/17-6/20	4,730	5,000	64.4	65.9	3	716	0	0	0	1	0	3	10	0
26		6/24-6/27	4,230	4,480	64.0	67.1	4	611	0	0	2	2	0	0	7	0
27		7/1-7/3	3,940	4,130	72.0	72.6	3	180	0	0	0	1	0	0	0	0

^a mean discharge from day of sampling (discharge below IGD used for Bogus and I-5 sites; discharge at Kinsman Site is Klamath River discharge at Seiad minus Scott River discharge)

^b temperature recorded at time of trap check

Table 2. In-season summary of the average catch-per-day by week of non-adipose fin-clipped (No Clip) and adipose fin-clipped (AD Clip) Chinook Salmon, Steelhead and Coho Salmon by trap at the I-5 and Kinsman trap sites on the mainstem Klamath River, 2025. Note that RST = rotary screw trap, UPS = upstream, DNS = downstream, and YOY = young-of-the-year.

Preliminary Data - Subject to Revision

Continuity Data (ages to 18 years)																
Trap	Calendar week	Sample dates	Q (cfs) ^a		Water temp. (°F) ^b		Trapping days	Chinook (<i>O. tshawytscha</i>)			Coho (<i>O. kisutch</i>)			Steelhead (<i>O. mykiss</i>)		
			Min	Max	Min	Max		YOY			YOY	Age 1 +		YOY	Age 1 +	
								No clip	AD clip	Age 1+		No clip	AD clip		No clip	AD clip
I-5 UPS RST	19	5/7-5/9	2,380	2,670	54.3	59.2	3	0.00	0.00	0.00	0.67	0.33	3.67	0.00	0.67	0.00
	20	5/13-5/16	2,250	2,400	56.2	57.4	4	0.50	0.00	0.00	0.25	0.50	4.75	0.00	1.00	0.00
	21	5/20-5/23	2,280	2,320	56.9	59.7	4	2.75	0.00	0.00	0.25	0.25	3.75	0.00	1.75	0.00
	22	5/28-5/30	1,970	2,000	63.9	64.6	3	6.00	0.00	0.00	3.33	1.00	0.33	0.33	1.00	0.00
	23	6/3-6/6	1,410	1,580	63.7	65.3	4	7.25	0.00	0.00	1.25	0.00	0.00	0.25	1.00	0.00
	24	6/10-6/13	1,310	1,370	65.1	68.8	4	17.75	0.00	0.00	6.25	0.00	0.00	0.50	2.50	0.00
	25	6/17-6/20	1,290	1,300	64.1	65.3	4	7.75	0.00	0.00	1.50	0.00	0.00	1.00	0.25	0.00
	26	6/24-6/27	1,220	1,230	62.2	65.0	4	1.75	0.00	0.00	0.75	0.00	0.00	1.25	1.25	0.00
27	7/1-7/3	981	1,120	67.4	68.2	3	1.00	0.00	0.00	0.67	0.00	0.00	1.67	0.67	0.00	
I-5 DNS RST	11	3/11-3/14	2,970	3,100	47.5	47.5	1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	12	3/18-3/21	4,300	5,500	41.3	43.1	1	2.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
	13	3/25-3/28	4,500	4,800	47.4	50.5	4	0.00	0.00	0.00	0.25	0.00	1.25	0.00	0.25	0.00
	14	4/1-4/4	5,000	5,750	44.4	45.6	4	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00
	15	4/8-4/11	5,250	5,250	50.1	53.5	4	0.00	0.00	0.00	0.00	0.50	0.25	0.00	0.25	0.00
	16	4/15-4/18	4,180	4,610	54.0	55.2	4	0.00	0.00	0.00	1.50	0.25	1.25	0.00	1.00	0.00
	17	4/22-4/25	3,300	3,600	54.7	57.0	4	0.75	0.00	0.00	1.00	4.50	2.00	0.00	1.25	0.00
	18	4/29-5/2	3,020	3,810	55.0	55.8	3	1.00	0.00	0.33	0.67	1.00	4.67	0.00	0.67	0.00
	19	5/6-5/9	2,380	2,950	57.3	59.5	4	0.00	0.00	0.00	0.00	0.00	4.00	0.00	0.50	0.00
	20	5/13-5/16	2,250	2,400	56.2	57.4	4	0.25	0.00	0.00	0.50	0.50	1.25	0.25	0.25	0.00
	21	5/20-5/23	2,280	2,320	56.9	59.6	4	1.50	0.00	0.00	0.75	0.25	1.00	0.00	0.00	0.00
	22	5/28-5/30	1,970	2,000	63.9	64.6	3	1.67	0.00	0.00	2.00	0.00	0.67	0.00	1.00	0.00
	23	6/3-6/6	1,410	1,580	63.7	65.3	4	9.25	0.00	0.00	0.75	0.00	0.00	0.00	0.50	0.00
	24	6/10-6/13	1,310	1,370	65.1	68.8	4	15.75	0.00	0.00	3.00	0.00	0.00	0.75	0.00	0.00
	25	6/17-6/20	1,290	1,300	64.1	65.3	4	6.50	0.00	0.00	1.75	0.00	0.00	2.00	0.00	0.00
	26	6/24-6/27	1,220	1,230	62.2	65.0	4	1.75	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.00
	27	7/1-7/3	981	1,120	67.4	68.2	2	4.00	0.00	0.00	1.00	0.00	0.00	1.00	1.50	0.00
Kinsman RST	11	3/12-3/13	4560	5100	45.1	46.8	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00
	12	3/18-3/21	9280	10050	42.4	44.9	3	0.00	0.00	0.00	0.00	0.67	0.00	0.00	0.33	0.00
	13	3/25-3/28	7800	8570	48.5	50.6	4	0.00	0.00	0.00	0.00	0.75	0.00	0.25	0.75	0.00
	14	4/1-4/4	8400	9100	45.4	48.1	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	15	4/8-4/11	8700	9100	49.8	56.3	4	0.00	0.00	0.25	0.00	0.50	0.00	0.00	0.00	0.00
	16	4/15-4/18	7160	7700	54.0	56.8	4	1.00	0.00	0.50	0.00	0.25	0.00	0.00	0.75	0.00
	17	4/22-4/25	5800	6250	54.2	57.4	4	11.00	0.00	0.75	4.75	2.00	0.00	0.25	1.00	0.00
	18	4/29-5/2	5280	5920	54.1	59.7	4	24.50	0.25	0.00	5.50	1.50	0.00	0.00	0.00	1.25
	19	5/6-5/9	4570	5330	56.3	59.4	4	7.25	0.00	0.50	3.00	0.00	0.25	0.25	0.00	0.00
	20	5/13-5/16	3960	4440	56.4	58.0	4	21.25	0.00	0.00	0.25	0.25	0.25	0.00	1.50	0.00
	21	5/20-5/23	3640	3780	57.3	61.1	4	2.50	0.00	0.00	0.25	0.00	0.00	0.00	0.25	0.00
	22	5/28-5/30	3360	3440	63.3	64.8	3	2.33	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.00
	23	6/3-6/6	2444	2850	62.3	67.2	4	12.50	0.00	0.00	0.50	0.00	0.00	0.25	0.50	0.00
	24	6/10-6/13	2076	2421	68.0	70.9	4	12.50	0.00	0.00	0.50	0.00	0.00	0.00	1.50	0.00
	25	6/17-6/20	1873	1913	65.8	70.8	4	7.00	0.00	0.00	0.50	0.00	0.00	0.25	0.75	0.00
	26	6/24-6/27	1703	1795	65.2	69.5	4	3.00	0.00	0.00	0.00	0.00	0.00	0.25	0.75	0.00
	27	7/3-7/3	1527	1527	70.9	70.9	1	2.00	0.00	0.00	4.00	0.00	0.00	0.00	4.00	0.00
Kinsman UPS RST	11	3/12-3/13	4,560	5,100	46.8	46.8	1	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
	12	3/18-3/19	9,850	10,050	42.4	43.2	2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	13	3/25-3/28	7,800	8,570	48.4	50.6	2	0.00	0.00	0.00	0.00	0.50	0.00	0.00	0.50	0.00
	14	4/1-4/4	8,400	9,100	45.5	47.2	4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	15	4/8-4/11	8,700	9,100	49.8	55.1	4	0.25	0.00	0.00	0.00	0.50	0.00	0.25	0.50	0.00
	16	4/15-4/18	7,160	7,700	54.1	55.2	4	0.00	0.00	0.00	0.25	0.00	0.25	0.00	1.50	0.00
	17	4/22-4/25	5,800	6,250	54.1	56.1	4	4.00	0.00	3.25	0.75	1.00	0.00	0.00	1.25	0.00
	18	4/29-5/2	5,280	5,920	54.0	58.7	3	77.67	0.00	0.00	0.33	1.00	0.33	0.33	4.67	0.00
	19	5/6-5/8	4,670	5,330	56.4	57.0	3	25.67	0.33	1.67	0.00	0.33	0.00	0.00	3.33	0.00
	20	5/13-5/16	3,960	4,440	54.8	57.4	4	31.75	0.00	0.00	0.50	0.00	0.00	0.50	0.50	0.00
	21	5/20-5/23	3,640	3,780	56.6	61.0	4	93.50	0.00	0.00	0.00	0.25	0.50	0.50	1.50	0.00
	22	5/28-5/30	3,360	3,440	63.3	64.4	3	35.00	0.00	0.00	1.67	0.00	0.00	0.00	0.00	0.00
	23	6/3-6/6	2,444	2,850	62.6	66.6	4	24.75	0.00	0.25	0.75	0.00	0.00	0.00	0.75	0.00
	24	6/10-6/13	2,076	2,421	67.6	69.7	4	15.00	0.00	0.00	0.00	0.25	0.00	0.25	1.00	0.00
	25	6/17-6/20	1,873	1,913	65.3	69.4	4	13.00	0.00	0.00	0.00	0.00	0.00	1.00	1.25	0.00
	26	6/24-6/27	1,703	1,795	65.1	68.5	4	5.25	0.00	0.00	0.25	0.00	0.00	0.50	0.75	0.00
	27	7/3-7/3	1,527	1,527	70.4	70.4	1	3.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	0.00
Weitchpec RST	23	6/3-6/6	7,070	8,140	62.0	64.4	4	22.50	0.00	0.50	0.25	0.50	0.00	0.25	6.75	0.00
	24	6/10-6/13	5,680	6,860	65.2	69.0	3	112.33	0.00	0.33	0.00	0.00	0.00	0.00	3.67	0.00
	25	6/17-6/20	4,730	5,000	64.4	65.9	3	238.67	0.00	0.00	0.00	0.33	0.00	1.00	3.33	0.00
	26	6/24-6/27	4,230	4,480	64.0	67.1	4	152.75	0.00	0.00	0.50	0.50	0.00	0.00	1.75	0.00
	27	7/1-7/3	3,940	4,130	72.0	72.6	3	60.00	0.00	0.00	0.00	0.33	0.00	0.00	0.00	0.00

^a mean daily discharge range during sampling dates (discharge below IGD used for Bogus and I-5 sites; discharge at Kinsman Site is Klamath River discharge at Seiad minus Scott River discharge; discharge at Orleans used for Weitchpec Site)

^b temperature recorded at time of trap check



Table 3. In-season summary of fork lengths, compared with the last ten years of naturally produced Chinook and Coho salmon by trap type at the I-5 and Kinsman sites on the mainstem Klamath River, 2025. RST = rotary screw trap and YOY = young-of-the-year.

Preliminary data - Subject to revision

Site	Calendar Week	2025 Sampling Dates	YOY Chinook (natural) - fork length data								YOY Coho - fork length data							
			2025				Previous 10 years				2025				Previous 10 years			
			n	Mean (mm)	Min. (mm)	Max. (mm)	% > 55 mm	n	Years of data	Mean (mm)	n	Mean (mm)	Min. (mm)	Max. (mm)	% > 55 mm	n	Years of data	Mean (mm)
I-5 RST's	11	Mar 11-13	0	-	-	-	-	611	10	38.2	0	-	-	-	-	4	4	18.5
	12	Mar 18-20	2	-	-	-	-	637	9	37.7	0	-	-	-	-	4	3	11.8
	13	Mar 25-27	0	-	-	-	-	517	8	37.6	0	-	-	-	-	16	5	28.2
	14	Apr 01-03	0	-	-	-	-	673	10	39.6	0	-	-	-	-	36	6	28.7
	15	Apr 08-10	0	-	-	-	-	560	9	43.4	0	-	-	-	-	41	7	35.2
	16	Apr 15-17	0	-	-	-	-	717	10	46.8	5	-	-	-	-	30	6	34.9
	17	Apr 22-24	1	-	-	-	-	667	10	50.4	3	-	-	-	-	113	7	38.0
	18	Apr 29-May 01	3	-	-	-	-	790	10	54.2	1	-	-	-	-	120	10	38.8
	19	May 06-08	0	-	-	-	-	677	10	56.5	1	-	-	-	-	73	8	32.1
	20	May 13-15	2	-	-	-	-	718	10	63.7	3	-	-	-	-	87	7	53.3
	21	May 21-23	11	-	-	-	-	607	9	71.1	2	-	-	-	-	135	7	55.5
	22	May 27-29	11	-	-	-	-	391	6	72.4	12	-	-	-	-	120	5	57.1
	23	Jun 03-05	42	71.0	42.0	105.0	88%	383	6	76.4	5	-	-	-	-	122	5	60.1
	24	Jun 10-12	96	67.9	51.0	103.0	93%	191	3	72.3	36	-	191	-	0%	55	2	62.2
	25	Jun 17-19	47	66.7	46.0	95.0	91%	37	1	85.3	9	-	-	-	-	17	1	59.4
	26	Jun 24-26	11	-	-	-	-	19	1	87.7	3	-	-	-	-	7	1	57.9
	27	Jul 01-03	10	-	-	-	-	0	0	-	3	-	-	-	-	0	0	-
Kinsman RST's	11	Mar 11-13	0	-	-	-	-	574	9	34.8	0	-	-	-	-	15	3	34.8
	12	Mar 18-20	0	-	-	-	-	690	9	41.0	0	-	-	-	-	51	4	34.3
	13	Mar 25-27	0	-	-	-	-	849	9	42.0	0	-	-	-	-	192	7	39.4
	14	Apr 01-03	0	-	-	-	-	775	9	44.7	0	-	-	-	-	96	7	35.6
	15	Apr 08-10	0	-	-	-	-	835	10	49.4	0	-	-	-	-	74	8	34.2
	16	Apr 15-17	3	-	-	-	-	721	10	52.7	0	-	-	-	-	112	9	30.6
	17	Apr 22-24	33	57.3	39.0	78.0	67%	693	9	54.7	12	-	-	-	-	154	6	37.6
	18	Apr 29-May 01	170	63.2	34.0	84.0	84%	815	10	56.3	13	-	-	-	-	72	5	44.5
	19	May 06-08	82	62.4	36.0	87.0	84%	800	10	60.4	4	-	-	-	-	101	7	47.5
	20	May 13-15	79	66.2	39.0	93.0	86%	728	10	62.0	2	-	-	-	-	90	8	46.4
	21	May 21-23	94	73.3	38.0	98.0	97%	736	10	67.6	0	-	-	-	-	141	9	48.4
	22	May 27-29	50	72.6	40.0	99.0	92%	415	8	72.3	3	-	-	-	-	109	7	52.0
	23	Jun 03-05	60	67.2	42.0	99.0	87%	309	7	73.7	2	-	-	-	-	186	5	50.4
	24	Jun 10-12	37	70.1	42.0	90.0	92%	251	4	72.4	1	-	-	-	-	68	4	46.1
	25	Jun 17-19	41	70.3	0	97.0	85%	80	3	80.2	2	-	-	-	-	5	2	47.8
	26	Jun 24-26	28	-	-	-	-	54	3	77.0	1	-	-	-	-	12	1	-
	27	Jul 01-03	0	-	-	-	-	0	0	-	0	-	-	-	-	0	0	-
Weitchpec RST	23	Jun 03-05	87	89.0	65.0	124.0	100%	219	3	91.9	3	-	-	-	-	7	2	69.3
	24	Jun 10-12	102	82.3	55.0	110.0	98%	210	3	92.4	0	-	-	-	-	2	1	64.0
	25	Jun 17-19	112	86.5	59.0	120.0	100%	90	2	82.2	0	-	-	-	-	5	1	69.6
	26	Jun 24-26	119	92.0	64.0	121.0	100%	160	2	76.5	2	-	-	-	-	9	1	69.6
	27	Jul 01-03	101	83.3	71.0	108.0	100%	NA	NA	NA	4	-	-	-	-	NA	NA	-

^a sample size too low for a reportable calculation

Table 4. In-season summary of clinical signs of disease in young-of-the-year Chinook Salmon by site at the I-5, and Kinsman sites on the mainstem Klamath River, 2025. *Note: Although only Chinook Salmon are reported in this table, we also monitor clinical signs of diseases in Coho Salmon and other species.*

Preliminary Data - Subject to Revision

Site	Calendar week	Sampling dates	Weekly mean flow (cfs) ^a	Water temp. (°F) ^b		Belly condition			Gills				
						Sample size	Distended		Sample size	Color		Condition	
				Min	Max		# positive	%		Pale or worse	%	Eroded or fungal	%
I-5	11	3/11-3/14	3,037	47.5	47.5	0	0	0.0%	0	0	- ^c	0	- ^c
	12	3/18-3/21	4,687	41.3	43.1	0	0	0.0%	0	0	- ^c	0	- ^c
	13	3/25-3/28	4,674	47.4	50.5	0	0	0.0%	0	0	- ^c	0	- ^c
	14	4/1-4/4	5,367	44.4	45.6	0	0	0.0%	0	0	- ^c	0	- ^c
	15	4/8-4/11	5,321	50.1	53.5	0	0	0.0%	0	0	- ^c	0	- ^c
	16	4/15-4/18	4,491	54.0	55.2	0	0	0.0%	0	0	- ^c	0	- ^c
	17	4/22-4/25	3,597	54.7	57.0	3	0	0.0%	0	0	- ^c	0	- ^c
	18	4/29-5/2	3,367	55.0	55.8	3	0	0.0%	0	0	- ^c	0	- ^c
	19	5/6-5/9	2,867	54.3	59.2	0	0	0.0%	0	0	- ^c	0	- ^c
	20	5/13-5/16	2,314	56.2	57.4	3	0	0.0%	1	0	- ^c	0	- ^c
	21	5/20-5/23	2,290	56.9	59.7	17	0	0.0%	11	0	- ^c	0	- ^c
	22	5/28-5/30	2,037	63.9	64.6	23	0	0.0%	11	1	- ^c	0	- ^c
	23	6/3-6/6	1,519	63.7	65.3	66	7	10.6%	40	6	15.0%	1	2.5%
	24	6/10-6/13	1,347	65.1	68.8	134	22	16.4%	96	18	18.8%	1	1.0%
	25	6/17-6/20	1,324	64.1	65.3	57	8	14.0%	47	5	10.6%	2	4.3%
	26	6/24-6/27	1,324	62.2	65.0	14	6	- ^c	11	2	- ^c	0	- ^c
	27	7/1-7/3	1,320	67.4	68.2	11	0	- ^c	10	0	- ^c	0	- ^c
Kinsman	11	3/12-3/13	5,099	45.1	46.8	0	0	0.0%	0	0	- ^c	0	- ^c
	12	3/18-3/21	9,523	42.4	44.9	0	0	0.0%	0	0	- ^c	0	- ^c
	13	3/25-3/28	8,140	48.5	50.6	0	0	0.0%	0	0	- ^c	0	- ^c
	14	4/1-4/4	8,676	45.4	48.1	0	0	0.0%	0	0	- ^c	0	- ^c
	15	4/8-4/11	8,864	49.8	56.3	0	0	0.0%	0	0	- ^c	0	- ^c
	16	4/15-4/18	7,443	54.0	56.8	3	0	0.0%	1	0	- ^c	0	- ^c
	17	4/22-4/25	6,200	54.2	57.4	33	0	0.0%	29	2	- ^c	0	- ^c
	18	4/29-5/2	5,664	54.1	59.7	331	0	0.0%	171	2	1.2%	0	0.0%
	19	5/6-5/9	5,136	56.3	59.4	106	0	0.0%	79	2	2.5%	1	1.3%
	20	5/13-5/16	4,231	56.4	58.0	312	1	0.3%	78	0	0.0%	0	0.0%
	21	5/20-5/23	3,727	57.3	61.1	384	0	0.0%	92	0	0.0%	0	0.0%
	22	5/28-5/30	3,454	63.3	64.8	112	2	1.8%	46	4	8.7%	1	2.2%
	23	6/3-6/6	2,723	62.3	67.2	149	6	4.0%	57	9	15.8%	6	10.5%
	24	6/10-6/13	2,231	68.0	70.9	80	2	2.5%	37	6	16.2%	2	5.4%
	25	6/17-6/20	1,913	65.8	70.8	65	4	6.2%	41	1	2.4%	0	0.0%
	26	6/24-6/27	1,901	65.2	69.5	33	6	18.2%	28	3	- ^c	0	- ^c
	27	7/3-7/3	1,891	70.9	70.9	3	0	- ^c	3	0	- ^c	0	- ^c
Weitchpec	23	6/3-6/6	9,897	63.3	64.4	90	1	1.1%	84	0	0.0%	0	0.0%
	24	6/10-6/13	7,917	62.6	66.6	329	0	0.0%	102	0	0.0%	0	0.0%
	25	6/17-6/20	6,284	65.2	69.0	716	1	0.1%	120	1	0.8%	0	0.0%
	26	6/24-6/27	4,936	64.4	65.9	611	1	0.2%	119	0	0.0%	0	0.0%
	27	7/1-7/3	4,391	64.0	67.1	180	1	0.6%	101	0	0.0%	0	0.0%

^a discharge below IGD used for Bogus and I-5 sites; discharge at Kinsman Site is Klamath River discharge near Seiad Valley minus discharge in the Scott River near Fort Jones

^b temperature recorded at time of trap check/seine

^c sample size too low for a reportable calculation

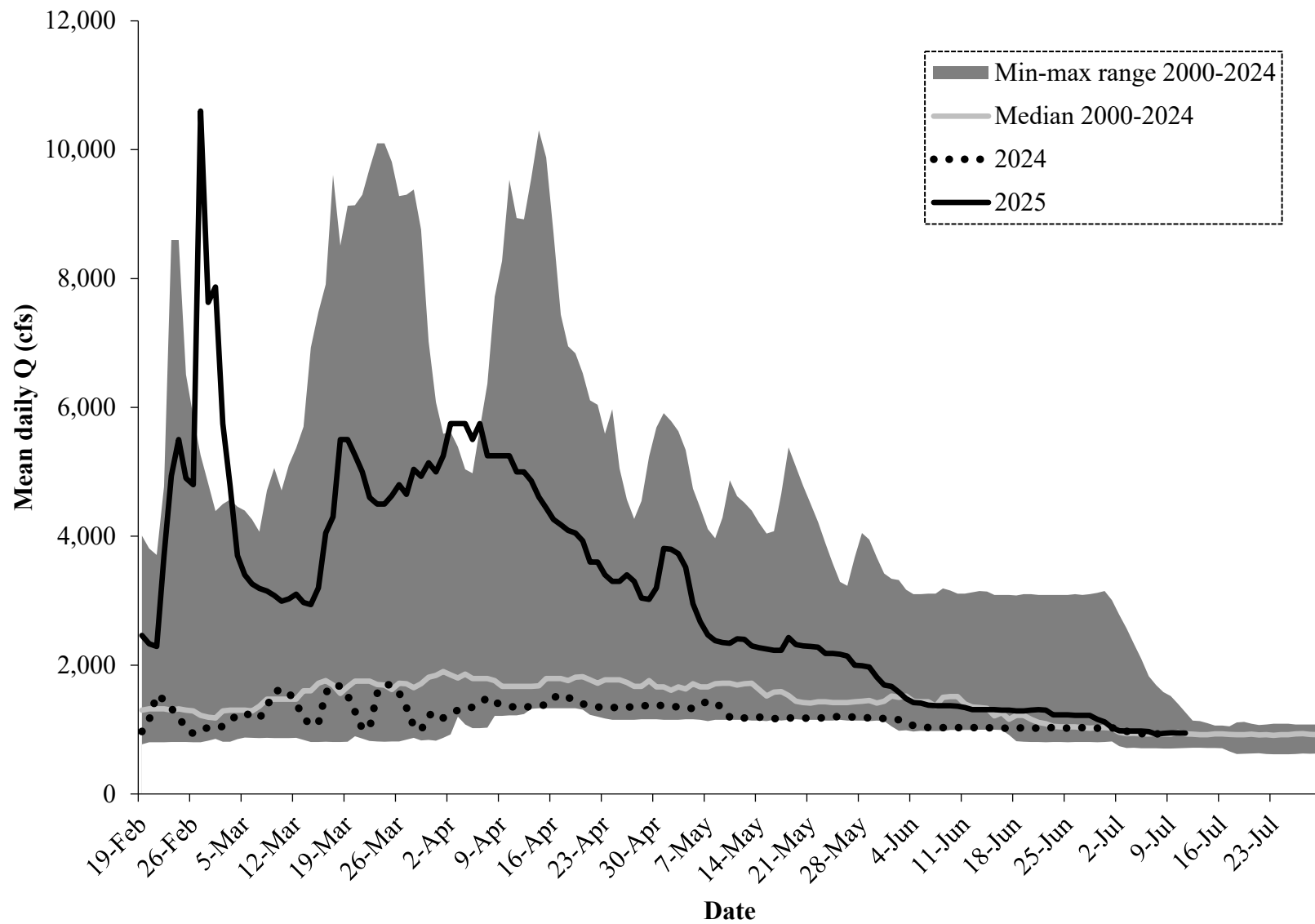


Figure 1. Daily mean discharge below Iron Gate Dam, Klamath River (USGS Gaging Station 11516530) from late February to date in 2025 and through July 2000–2024.

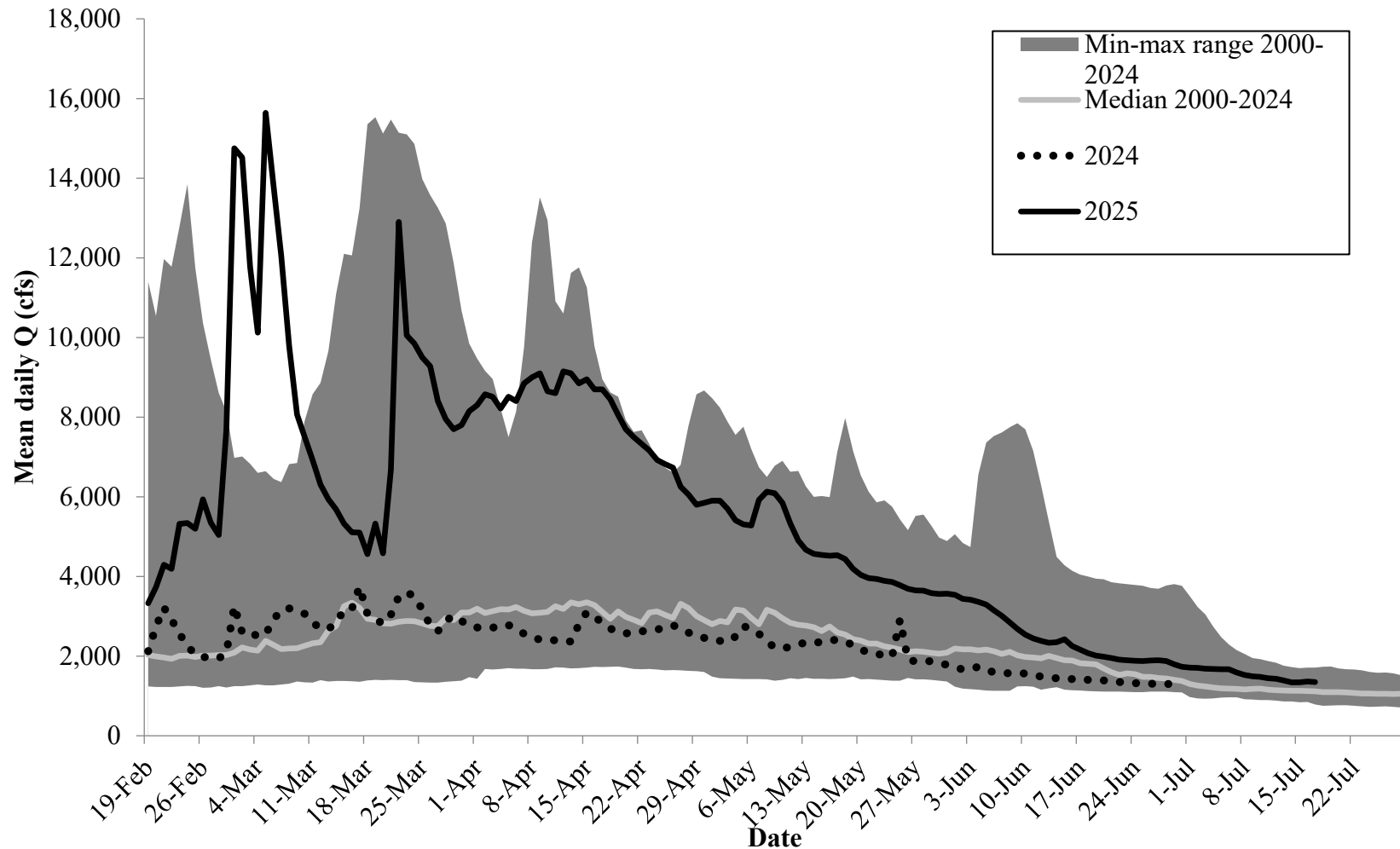


Figure 2. Klamath River daily mean discharge at the Kinsman Trap Site from late February to date in 2025 and through July 2000–2024. Discharge measurements are not available at this location. Therefore, Klamath River discharge near Seiad Valley, California (USGS Gaging Station 11520500) minus discharge from the Scott River near Fort Jones, California (USGS 11519500) is used as a surrogate.

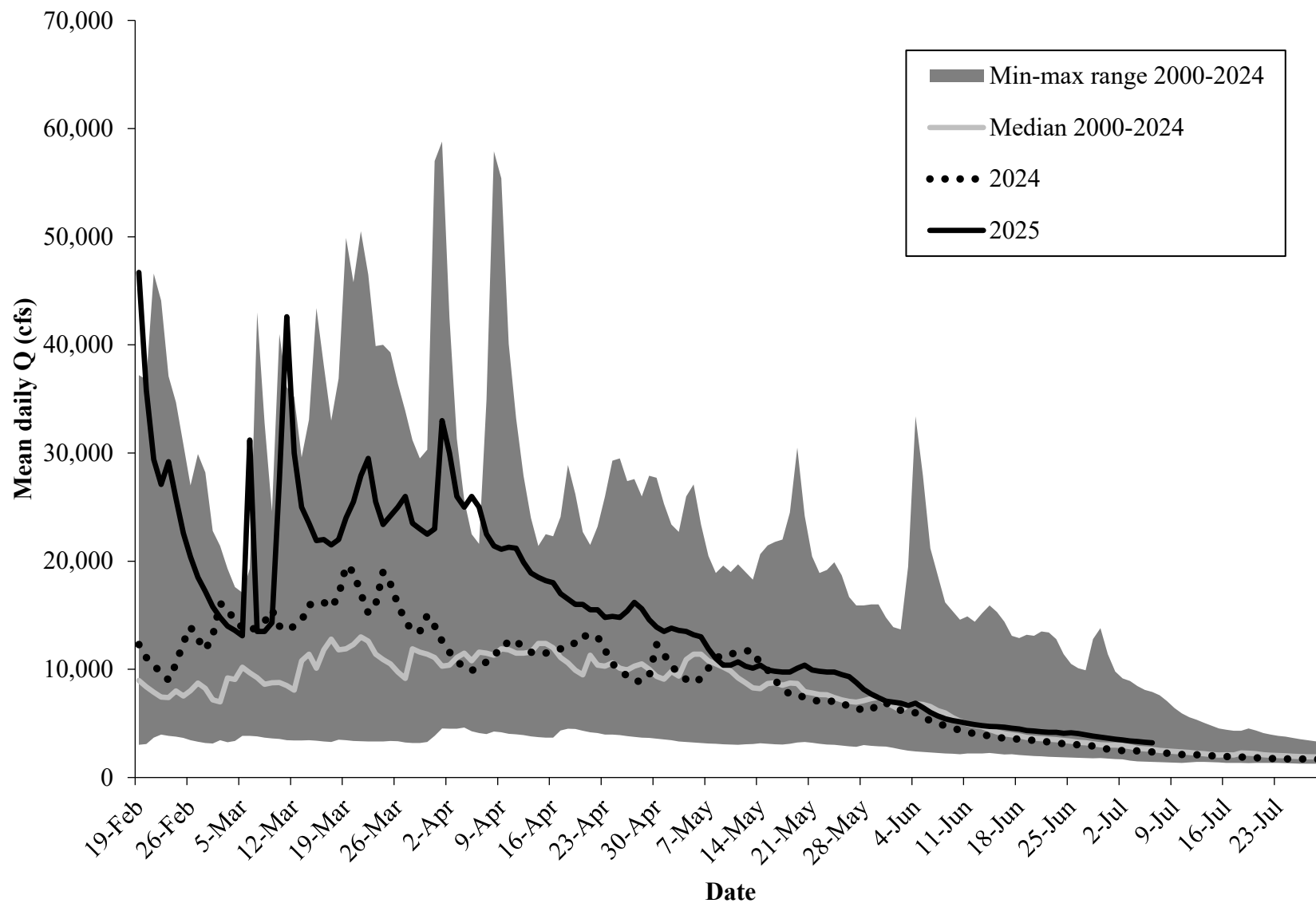


Figure 3. Daily mean discharge at Orleans, Klamath River (USGS Gaging Station 11523000) from late February to date in 2025 and through July 2000–2024.