

## Flood Forecasting and Warning Center, Bangladesh Water Development Board

Web: [www.ffwc.gov.bd](http://www.ffwc.gov.bd), Email: [ffwcbwdb@gmail.com](mailto:ffwcbwdb@gmail.com)

Medium Range 1-10 days Probabilistic Forecast

Forecast As of June 11, 2024

### Outlook for the Next 10 Days:

- Brahmaputra-Jamuna River system may steadily decrease for the next 4 days and then start to increase steadily for the next 6 days. No probability of exceeding the danger level in the Brahmaputra-Jamuna basin for the next 10 days.
- Ganges-Padma River may continue to steadily decrease for the next 5 days and then start to increase steadily for the next 5 days. No probability of flooding is forecasted in Ganges-Padma Basin for the next 10 days.
- Rivers around Dhaka city may remain steady for the next 10 days. No probability of flooding is forecasted in the rivers around Dhaka city.

For viewing interactive hydrographs of the Medium Range forecast please visit:

<http://ffwc.gov.bd/index.php/hydrograph/medium-range-1-10-days-forecast>

আগামী ১০ দিনের সম্ভাব্য পূর্বাভাস:

- ব্রহ্মপুত্র-যমুনা নদীর পানি সমতল আগামী ৪ দিন স্থিতিশীলভাবে হ্রাস পেতে পারে এবং পরবর্তী ৬ দিন স্থিতিশীলভাবে বৃদ্ধি পেতে পারে। তবে আগামী ১০ দিনে ব্রহ্মপুত্র-যমুনা অববাহিকায় পানি সমতল বিপদসীমা অতিক্রমের সম্ভাবনা নেই।
- গঙ্গা-পদ্মা নদীর পানি সমতল আগামী ৫ দিন স্থিতিশীলভাবে হ্রাস পেতে পারে এবং পরবর্তী ৫ দিন পানি সমতল স্থিতিশীলভাবে বৃদ্ধি পেতে পারে। তবে আগামী ১০ দিনের মধ্যে গঙ্গা-পদ্মা অববাহিকায় পানি সমতল বিপদসীমা অতিক্রমের সম্ভাবনা নেই।
- ঢাকার চারপাশের নদীসমূহের পানি আগামী ৫ দিন স্থিতিশীল এবং পরবর্তী ৫ দিন স্থিতিশীলভাবে বৃদ্ধি পেতে পারে। ঢাকার চারপাশের নদীসমূহের অববাহিকায় বিপদসীমা অতিক্রমের সম্ভাবনা নেই।

১০ দিনের সম্ভাব্যতা ভিত্তিক পূর্বাভাসের ইন্টার্যাক্টিভ হাইড্রোগ্রাফ দেখতে ভিজিট করুন:

Forecast made on: 11-06-2024 (Page 1/5)

			today	1-day fore- cast	2-day fore- cast	3-day fore- cast	4-day fore- cast	5-day fore- cast	6-day fore- cast	7-day fore- cast	8-day fore- cast	9-day fore- cast	10-day fore- cast	
Water Level in [m]			11-06	12-06	13-06	14-06	15-06	16-06	17-06	18-06	19-06	20-06	21-06	Forecast type
River	Station	D.L	0600	0600	0600	0600	0600	0600	0600	0600	0600	0600	0600	
Jamuna	Bahadurabad	19.50	16.93	16.55	16.46	16.47	16.58	16.90	17.32	17.75	18.19	18.59	18.89	Upper Range
				16.51	16.35	16.30	16.32	16.47	16.68	16.87	17.12	17.35	17.74	Lower Range
				16.53	16.40	16.39	16.47	16.69	17.03	17.38	17.73	18.09	18.42	Mean
Jamuna	Sariakandi	16.70	13.95	13.72	13.50	13.46	13.53	13.75	14.12	14.58	15.04	15.48	15.85	Upper Range
				13.70	13.42	13.32	13.31	13.40	13.57	13.77	13.99	14.24	14.60	Lower Range
				13.71	13.46	13.39	13.43	13.58	13.86	14.21	14.60	14.97	15.33	Mean
Jamuna	Kazipur	14.85	12.87	12.69	12.45	12.39	12.44	12.63	12.97	13.39	13.83	14.25	14.61	Upper Range
				12.67	12.38	12.26	12.24	12.31	12.47	12.66	12.87	13.10	13.42	Lower Range
				12.68	12.41	12.33	12.35	12.48	12.74	13.05	13.42	13.77	14.11	Mean
Jamuna	Serajganj	13.35	11.46	11.31	11.05	10.97	11.01	11.17	11.48	11.90	12.33	12.76	13.17	Upper Range
				11.30	10.99	10.85	10.81	10.87	11.02	11.21	11.40	11.64	11.94	Lower Range
				11.30	11.02	10.91	10.92	11.03	11.26	11.58	11.94	12.29	12.64	Mean
Jamuna	Aricha	9.40	6.27	6.20	6.04	5.90	5.86	5.92	6.09	6.37	6.74	7.14	7.46	Upper Range
				6.20	6.02	5.83	5.72	5.70	5.76	5.88	6.02	6.19	6.40	Lower Range
				6.20	6.03	5.87	5.80	5.82	5.94	6.14	6.42	6.73	7.06	Mean
Ganges- Padma	Hardinge Bridge	14.25	6.26	6.33	6.43	6.49	6.49	6.49	6.44	6.49	6.76	7.18	7.62	Upper Range
				6.33	6.41	6.42	6.36	6.21	6.02	5.88	5.80	5.78	5.90	Lower Range
				6.33	6.42	6.46	6.43	6.34	6.24	6.23	6.35	6.57	6.86	Mean

Forecast made on: 11-06-2024 (Page 2/5)

			today	1-day fore- cast	2-day fore- cast	3-day fore- cast	4-day fore- cast	5-day fore- cast	6-day fore- cast	7-day fore- cast	8-day fore- cast	9-day fore- cast	10-day fore- cast	
Water Level in [m]			11-06	12-06	13-06	14-06	15-06	16-06	17-06	18-06	19-06	20-06	21-06	Forecast type
River	Station	D.L	0600	0600	0600	0600	0600	0600	0600	0600	0600	0600	0600	
Padma	Goalondo	8.65	5.88	5.83	5.70	5.57	5.53	5.56	5.71	5.95	6.29	6.66	7.05	Upper Range
				5.82	5.68	5.51	5.41	5.37	5.41	5.50	5.62	5.76	5.94	Lower Range
				5.83	5.69	5.54	5.47	5.48	5.56	5.74	5.98	6.28	6.58	Mean
Padma	Bhagyakul	6.30	3.69	3.65	3.58	3.47	3.43	3.45	3.54	3.71	3.96	4.26	4.58	Upper Range
				3.65	3.57	3.44	3.36	3.33	3.34	3.40	3.49	3.59	3.72	Lower Range
				3.65	3.57	3.46	3.40	3.39	3.45	3.57	3.74	3.97	4.21	Mean
Padma	Mawa	6.10	3.60	3.58	3.54	3.47	3.45	3.47	3.53	3.65	3.83	4.06	4.32	Upper Range
				3.58	3.53	3.45	3.40	3.39	3.40	3.45	3.51	3.58	3.67	Lower Range
				3.58	3.53	3.46	3.43	3.43	3.47	3.55	3.67	3.84	4.03	Mean
Padma	Sureshwar	4.40	1.92	1.91	1.89	1.85	1.84	1.86	1.91	1.99	2.12	2.29	2.50	Upper Range
				1.91	1.89	1.84	1.81	1.81	1.82	1.85	1.90	1.95	2.02	Lower Range
				1.91	1.89	1.84	1.83	1.83	1.87	1.92	2.01	2.14	2.27	Mean
Old Brahmaputra	Jamalpur	17.00	10.80	10.79	10.73	10.63	10.54	10.50	10.52	10.64	10.85	11.08	11.40	Upper Range
				10.79	10.73	10.61	10.51	10.43	10.37	10.39	10.48	10.61	10.77	Lower Range
				10.79	10.73	10.62	10.52	10.47	10.46	10.53	10.68	10.89	11.09	Mean
Old Brahmaputra	Mymensingh	12.50	4.74	5.14	5.35	5.43	5.40	5.34	5.27	5.22	5.25	5.41	5.68	Upper Range
				5.14	5.35	5.43	5.40	5.32	5.23	5.14	5.08	5.11	5.21	Lower Range
				5.14	5.35	5.43	5.40	5.33	5.25	5.19	5.18	5.27	5.47	Mean

Forecast made on: 11-06-2024 (Page 3/5)

			today	1-day fore- cast	2-day fore- cast	3-day fore- cast	4-day fore- cast	5-day fore- cast	6-day fore- cast	7-day fore- cast	8-day fore- cast	9-day fore- cast	10-day fore- cast	Forecast type
Water Level in [m]			11-06	12-06	13-06	14-06	15-06	16-06	17-06	18-06	19-06	20-06	21-06	
River	Station	D.L	0600	0600	0600	0600	0600	0600	0600	0600	0600	0600	0600	
Dhaleswari	Elashinghat	11.40	6.59	6.50	6.26	6.08	6.03	6.11	6.35	6.77	7.23	7.66	8.12	Upper Range
				6.49	6.23	5.99	5.89	5.87	5.96	6.13	6.34	6.58	6.87	Lower Range
				6.50	6.24	6.03	5.96	6.00	6.17	6.46	6.85	7.23	7.58	Mean
Dhaleswari	Jagir	8.23	3.64	3.68	3.68	3.64	3.58	3.54	3.51	3.54	3.62	3.77	3.95	Upper Range
				3.68	3.68	3.64	3.57	3.51	3.46	3.44	3.46	3.51	3.58	Lower Range
				3.68	3.68	3.64	3.58	3.52	3.49	3.49	3.54	3.65	3.79	Mean
Dhaleswari	Rekabi Bazar (Munshiganj)	5.18	1.76	1.78	1.79	1.78	1.81	1.87	1.94	2.03	2.15	2.30	2.47	Upper Range
				1.78	1.78	1.77	1.78	1.82	1.88	1.94	2.00	2.07	2.14	Lower Range
				1.78	1.79	1.77	1.80	1.84	1.91	1.98	2.08	2.19	2.31	Mean
Tongi Khal	Tongi	6.08	4.01	4.04	4.07	4.08	4.11	4.17	4.24	4.33	4.44	4.58	4.73	Upper Range
				4.04	4.07	4.08	4.09	4.14	4.20	4.26	4.33	4.40	4.47	Lower Range
				4.04	4.07	4.08	4.10	4.15	4.22	4.30	4.39	4.49	4.61	Mean
Turag	Mirpur	5.94	3.51	3.53	3.54	3.54	3.56	3.61	3.69	3.78	3.90	4.04	4.21	Upper Range
				3.53	3.54	3.53	3.54	3.58	3.63	3.69	3.75	3.82	3.89	Lower Range
				3.53	3.54	3.53	3.55	3.59	3.65	3.73	3.82	3.93	4.06	Mean
Buriganga	Dhaka	6.00	2.74	2.76	2.77	2.76	2.79	2.85	2.92	3.01	3.13	3.28	3.45	Upper Range
				2.76	2.77	2.75	2.77	2.80	2.86	2.92	2.98	3.05	3.12	Lower Range
				2.76	2.77	2.76	2.78	2.82	2.89	2.96	3.05	3.17	3.29	Mean

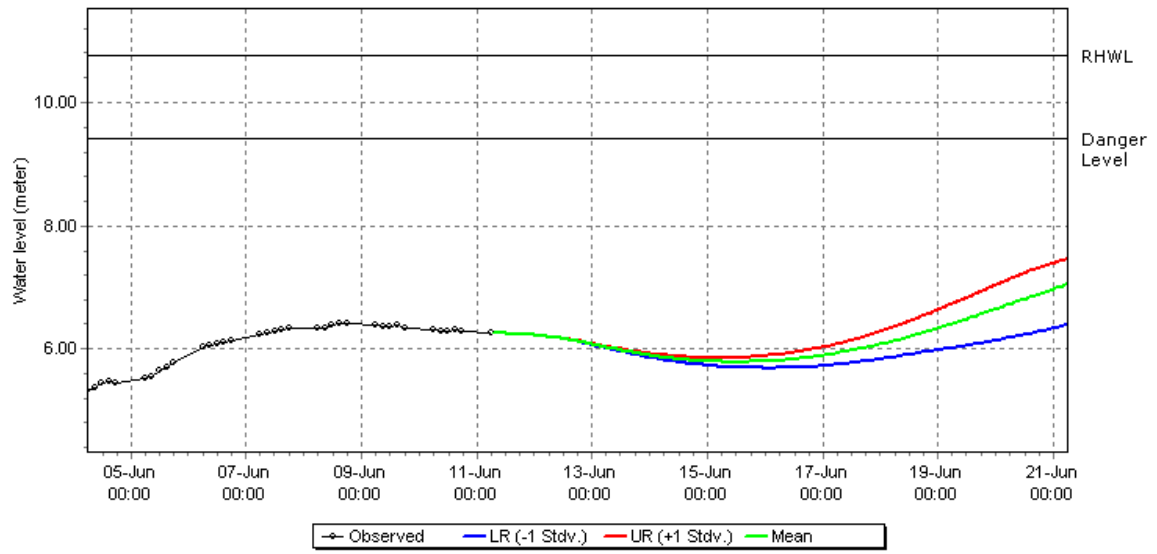
Forecast made on: 11-06-2024 (Page 4/5)

			today	1-day fore- cast	2-day fore- cast	3-day fore- cast	4-day fore- cast	5-day fore- cast	6-day fore- cast	7-day fore- cast	8-day fore- cast	9-day fore- cast	10-day fore- cast	
Water Level in [m]			11-06	12-06	13-06	14-06	15-06	16-06	17-06	18-06	19-06	20-06	21-06	Forecast type
River	Station	D.L	0600	0600	0600	0600	0600	0600	0600	0600	0600	0600	0600	
Balu	Demra	5.75	2.21	2.25	2.28	2.31	2.37	2.44	2.52	2.61	2.72	2.86	3.01	Upper Range
				2.25	2.28	2.30	2.35	2.41	2.47	2.54	2.62	2.69	2.77	Lower Range
				2.25	2.28	2.31	2.36	2.42	2.49	2.57	2.67	2.77	2.89	Mean
Lakhya	Narayanganj	5.50	3.34	3.36	3.38	3.39	3.43	3.49	3.56	3.66	3.77	3.92	4.08	Upper Range
				3.36	3.38	3.38	3.40	3.45	3.50	3.57	3.64	3.71	3.78	Lower Range
				3.36	3.38	3.38	3.41	3.46	3.53	3.61	3.70	3.81	3.93	Mean
Gorai	Gorai Rly Bridge	12.75	5.44	5.46	5.49	5.50	5.49	5.49	5.49	5.57	5.82	6.20	6.61	Upper Range
				5.45	5.48	5.45	5.39	5.28	5.14	5.06	5.04	5.08	5.21	Lower Range
				5.46	5.49	5.48	5.44	5.38	5.32	5.35	5.49	5.72	6.00	Mean
Gorai	Kamarkhali	8.20	2.88	2.88	2.90	2.92	2.92	2.92	2.92	2.94	3.03	3.26	3.59	Upper Range
				2.88	2.90	2.90	2.88	2.83	2.75	2.66	2.60	2.58	2.62	Lower Range
				2.88	2.90	2.91	2.90	2.88	2.83	2.80	2.83	2.95	3.15	Mean
Arial Khan	Madaripur	4.17	2.08	2.06	2.04	1.99	1.95	1.95	1.97	2.04	2.15	2.31	2.49	Upper Range
				2.06	2.04	1.98	1.92	1.90	1.89	1.91	1.95	2.00	2.06	Lower Range
				2.06	2.04	1.99	1.94	1.92	1.93	1.98	2.05	2.16	2.30	Mean
Atrai	Baghabari	10.40	7.77	7.69	7.49	7.32	7.27	7.34	7.55	7.90	8.28	8.65	8.99	Upper Range
				7.69	7.46	7.24	7.12	7.10	7.19	7.34	7.51	7.71	7.95	Lower Range
				7.69	7.48	7.28	7.20	7.23	7.38	7.63	7.95	8.28	8.58	Mean

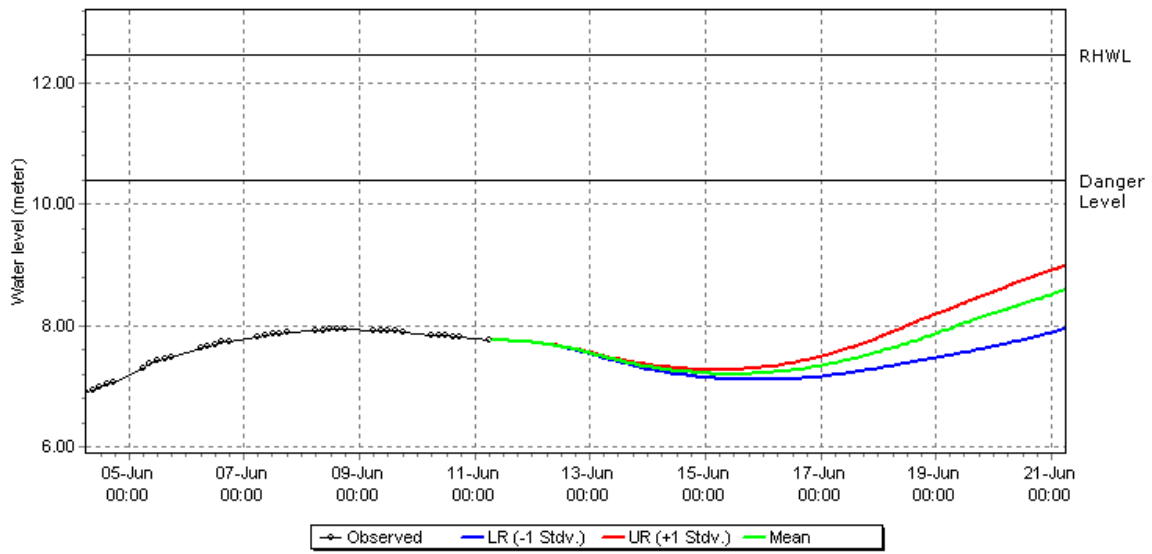
Forecast made on: 11-06-2024 (Page 5/5)

			today	1-day	2-day	3-day	4-day	5-day	6-day	7-day	8-day	9-day	10-day	
				fore-	fore-	fore-	fore-	fore-	fore-	fore-	fore-	fore-	fore-	
				cast	cast	cast	cast	cast	cast	cast	cast	cast	cast	
Water Level in [m]			11-06	12-06	13-06	14-06	15-06	16-06	17-06	18-06	19-06	20-06	21-06	Forecast type
River	Station	D.L	0600	0600	0600	0600	0600	0600	0600	0600	0600	0600	0600	
Atrai	Mohadevpur	18.59	13.10	12.99	12.96	12.97	13.03	13.11	13.20	13.34	13.51	13.72	13.94	Mean
Khusiyara	Sheola	13.50	12.42	9.70	8.54	8.05	7.76	7.57	7.49	7.54	7.68	7.86	8.02	Mean
Khusiyara	Sherpur	9.00	9.35	9.21	8.89	8.55	8.30	8.12	8.02	7.99	7.99	8.01	8.04	Mean
Manu	Moulvi Bazar	11.75	11.17	9.08	8.69	8.54	8.37	8.19	8.05	7.99	7.99	8.04	8.07	Mean
Surma	Sylhet	11.25	9.75	8.65	8.23	8.04	7.92	7.82	7.78	7.78	7.83	7.90	7.99	Mean
Surma	Sunamganj	8.25	7.90	7.99	7.90	7.77	7.66	7.55	7.46	7.38	7.33	7.30	7.28	Mean
Surma	Kanaighat	13.20	12.85	10.38	9.42	9.18	9.10	9.06	9.10	9.22	9.42	9.65	9.86	Mean
Kalni	Dirai	-	7.31	-	-	-	-	-	-	-	-	-	-	Mean
Upper Meghna	Bhairab Bazar	6.25	3.71	3.83	3.93	4.05	4.23	4.41	4.57	4.69	4.79	4.88	4.95	Mean
Upper Meghna	Narsingdi	5.20	3.07	3.13	3.18	3.21	3.31	3.41	3.51	3.61	3.71	3.81	3.90	Mean
Jamuna	Naogaon	15.24	11.54	11.52	11.63	11.69	11.68	11.68	11.60	11.53	11.55	11.69	11.95	Mean
Lower Meghna	Chandpur	4.00	2.37	2.37	2.35	2.31	2.30	2.31	2.34	2.38	2.46	2.56	2.68	Mean
Kumar	Faridpur	7.50	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46	Mean

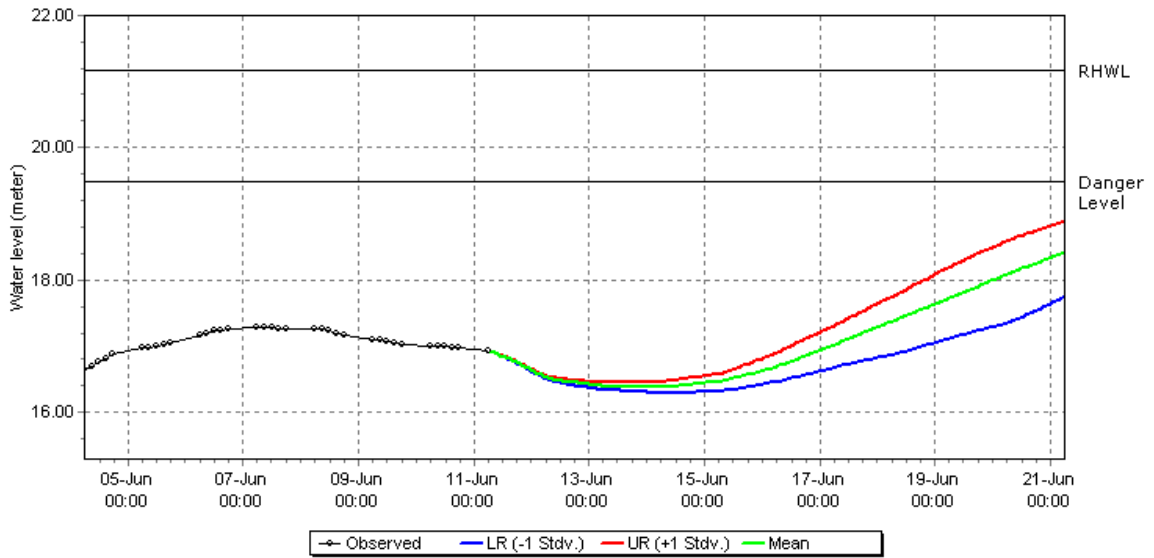
Jamuna River at Aricha (Year 2024)



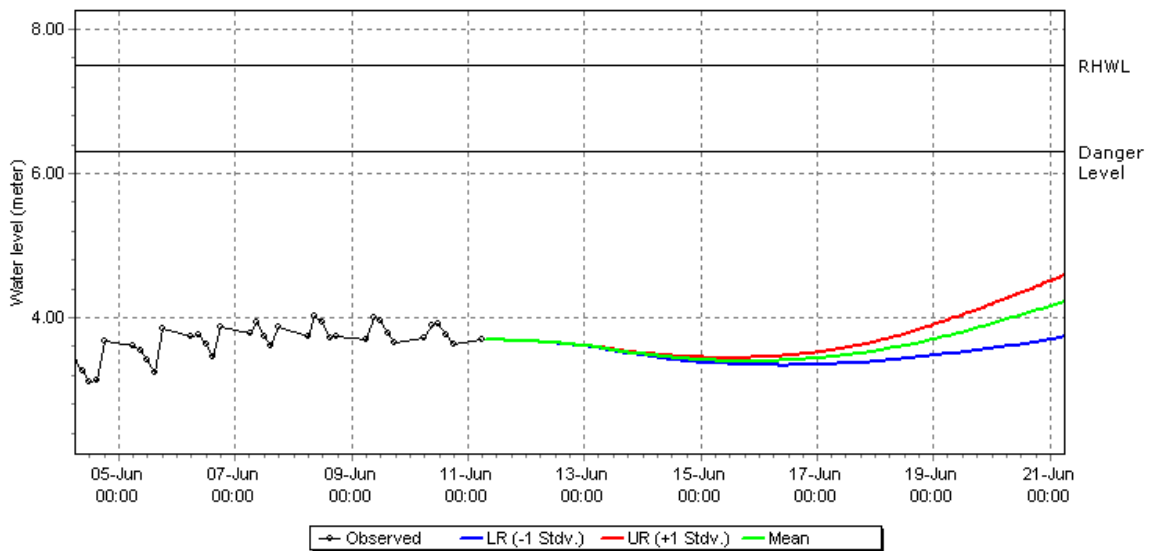
Atrai River at Baghabari (Year 2024)



Jamuna River at Bahadurabad (Year 2024)

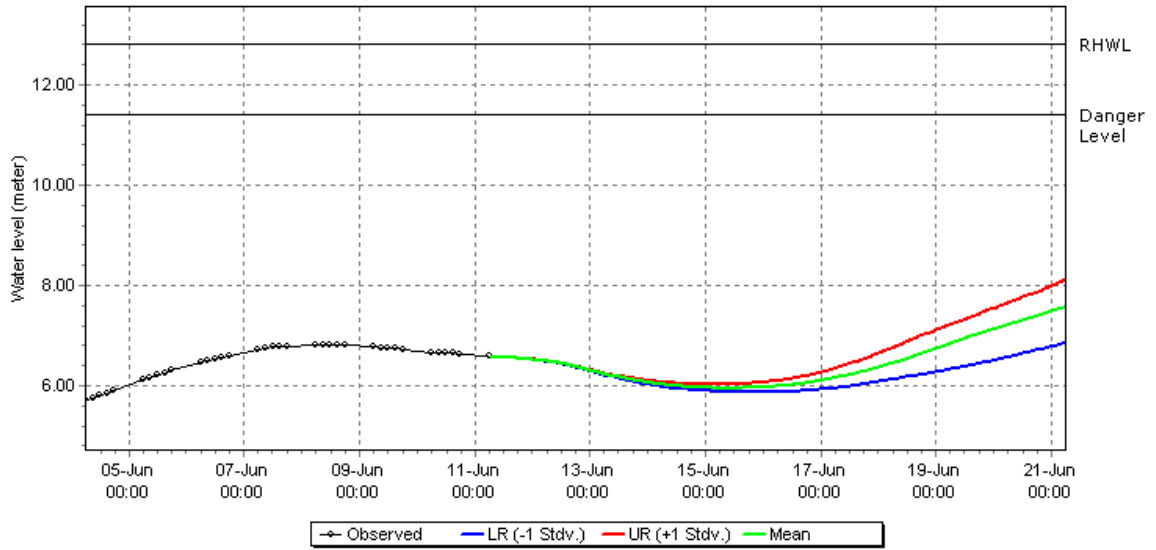


Padma River at Bhagyakul (Year 2024)

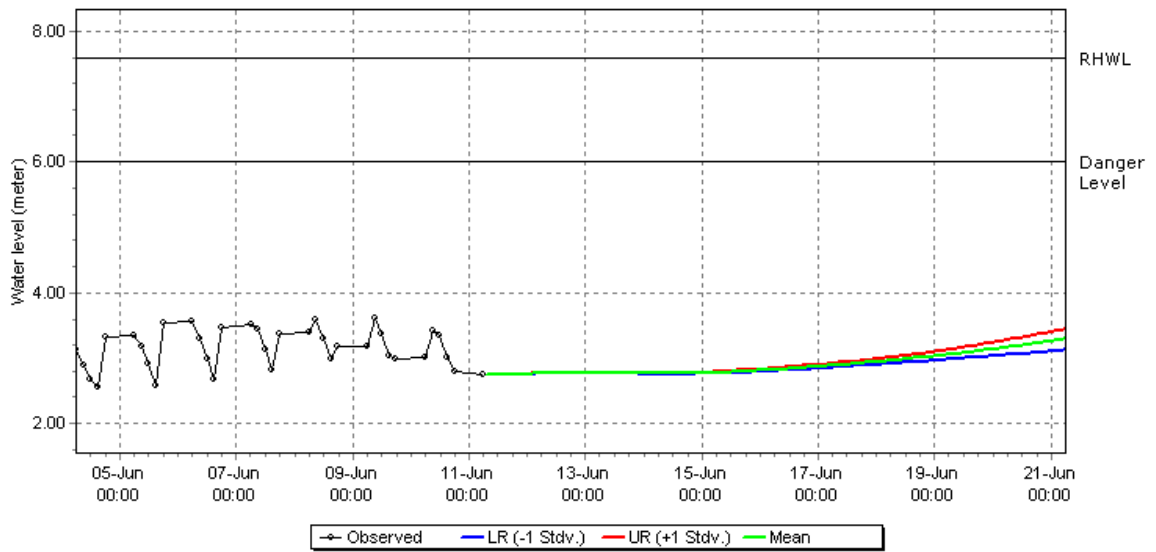


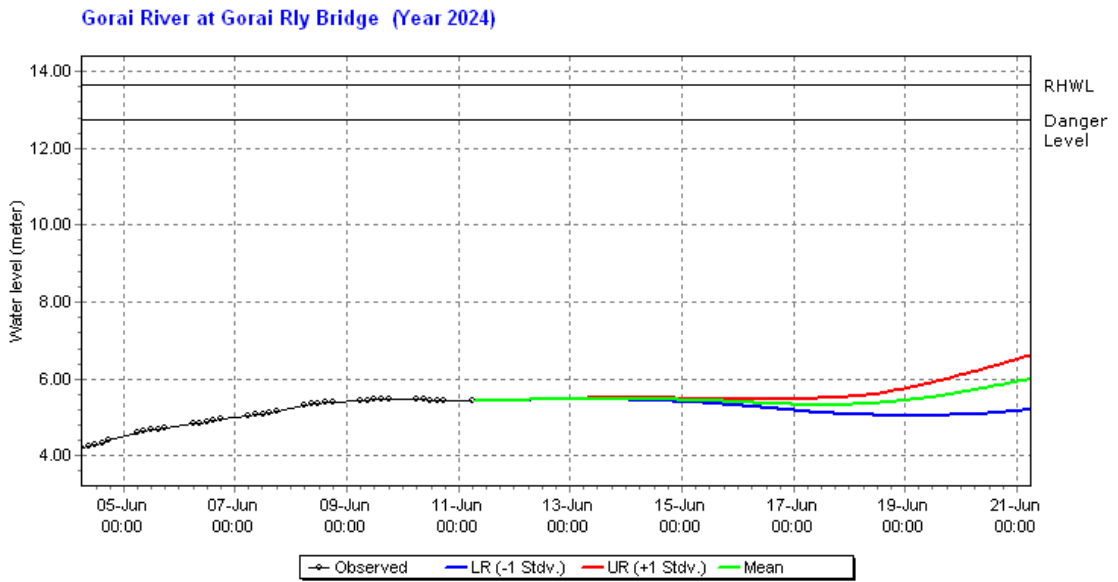
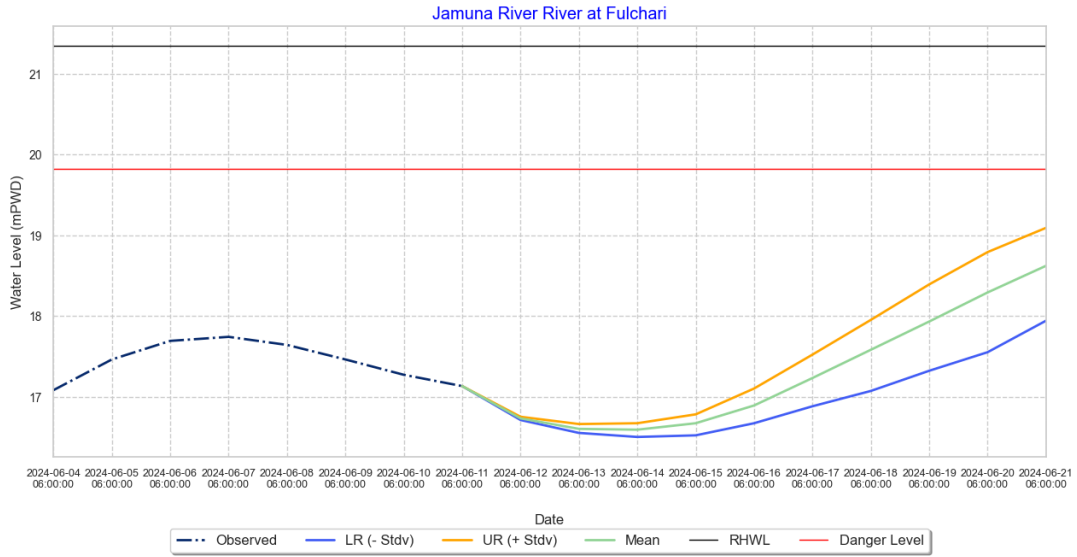


Dhaleswari River at Elashinghat (Year 2024)

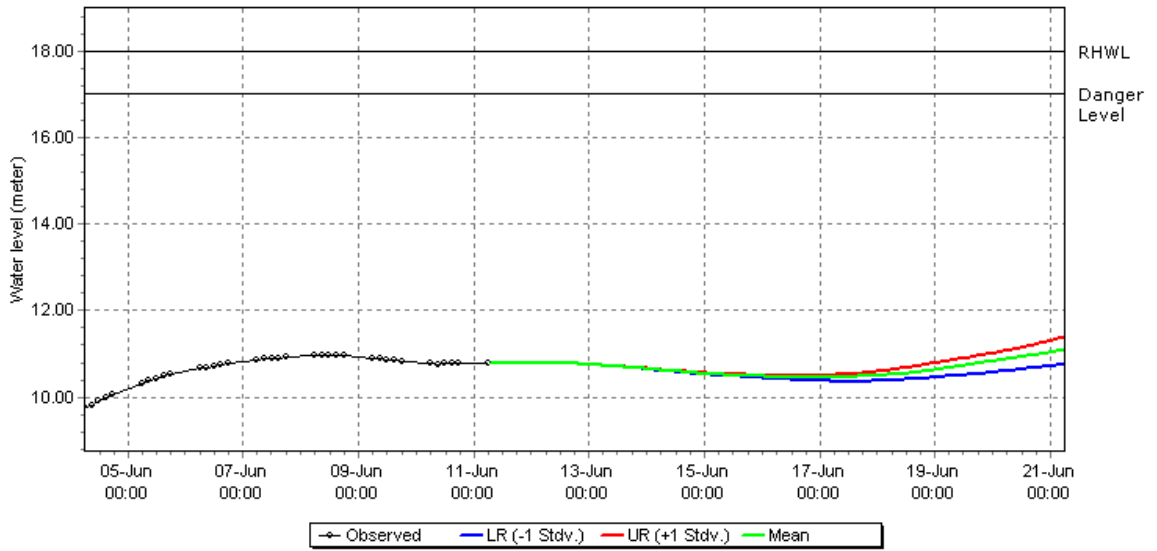


Buriganga River at Dhaka (Year 2024)

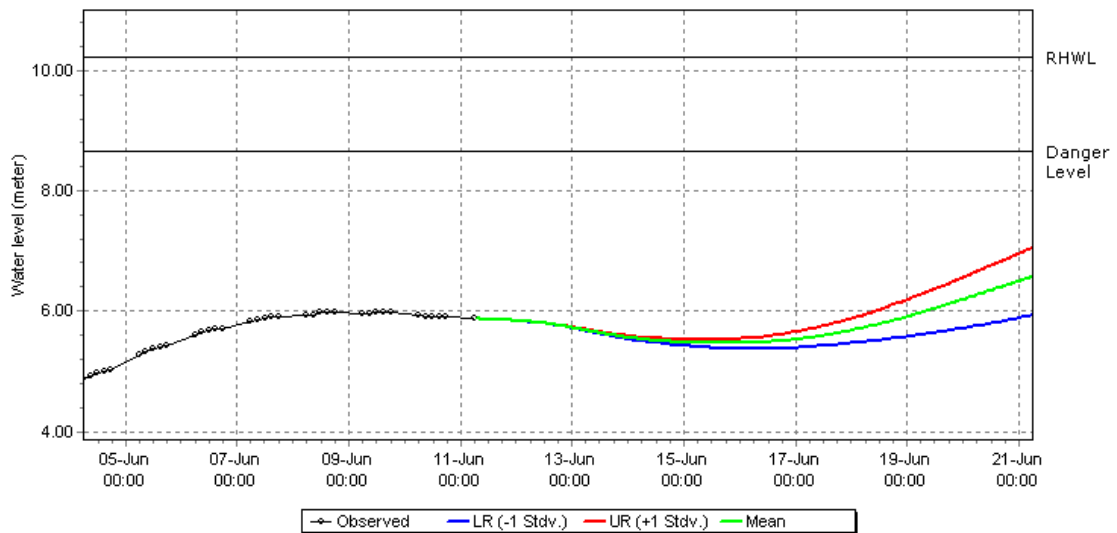




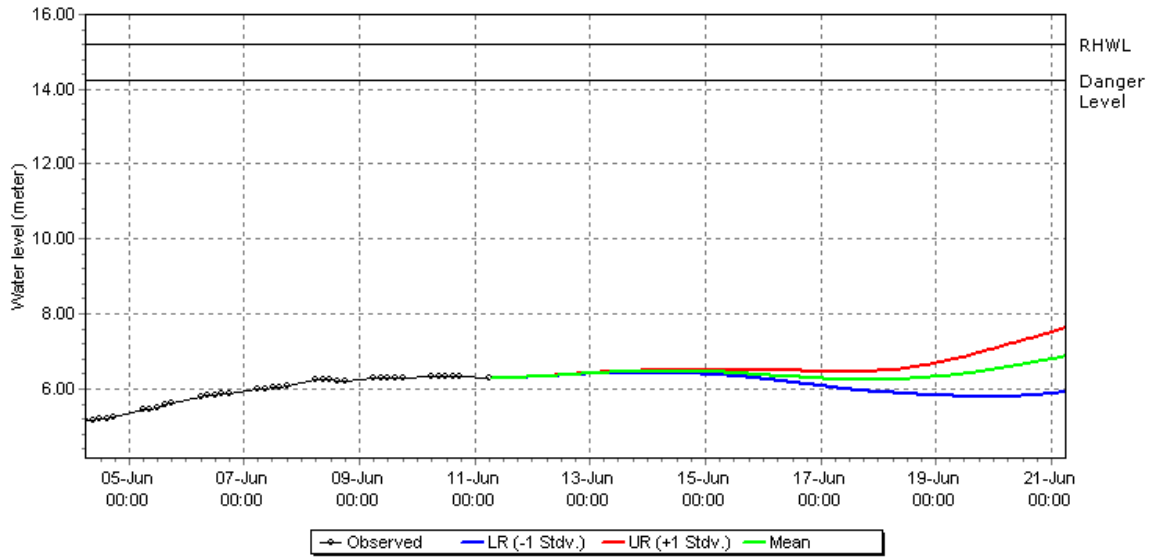
Old Brahmaputra River at Jamalpur (Year 2024)



Padma River at Goalondo (Year 2024)

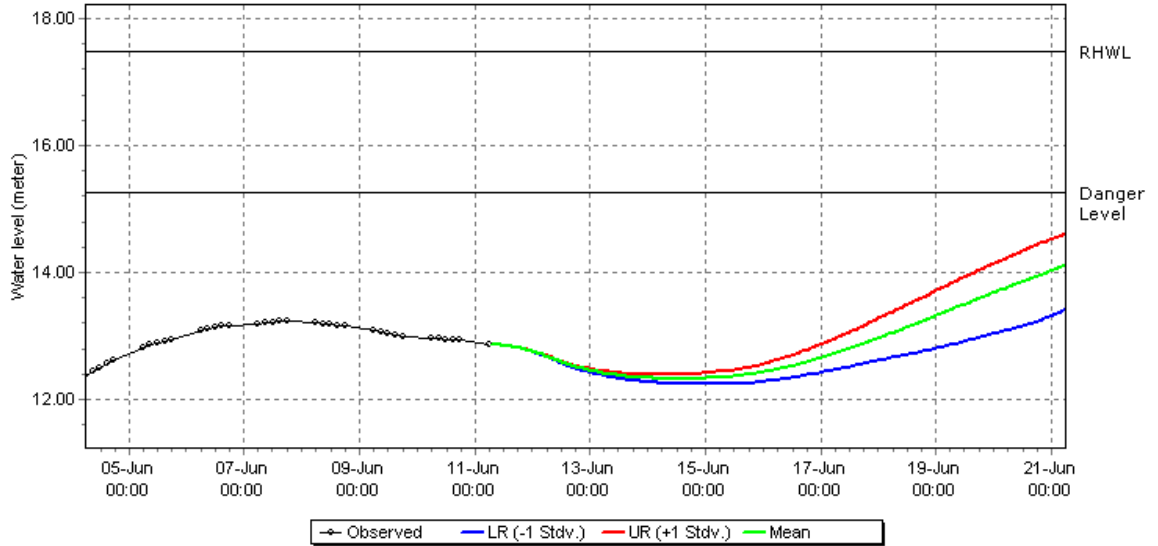


Padma River at Hardinge-Bridge (Year 2024)

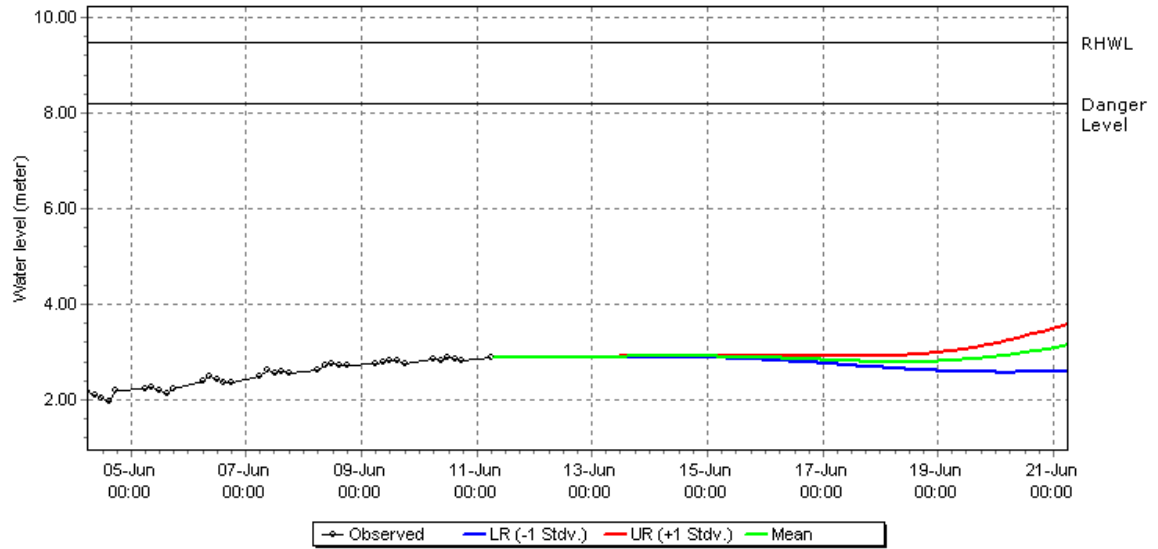


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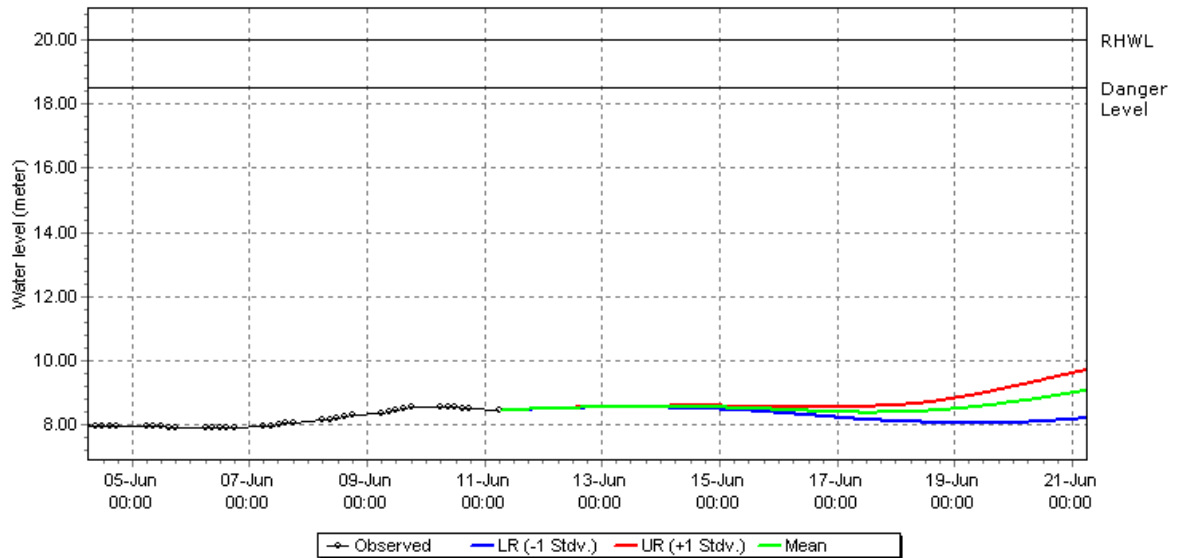
Jamuna River at Kazipur (Year 2024)



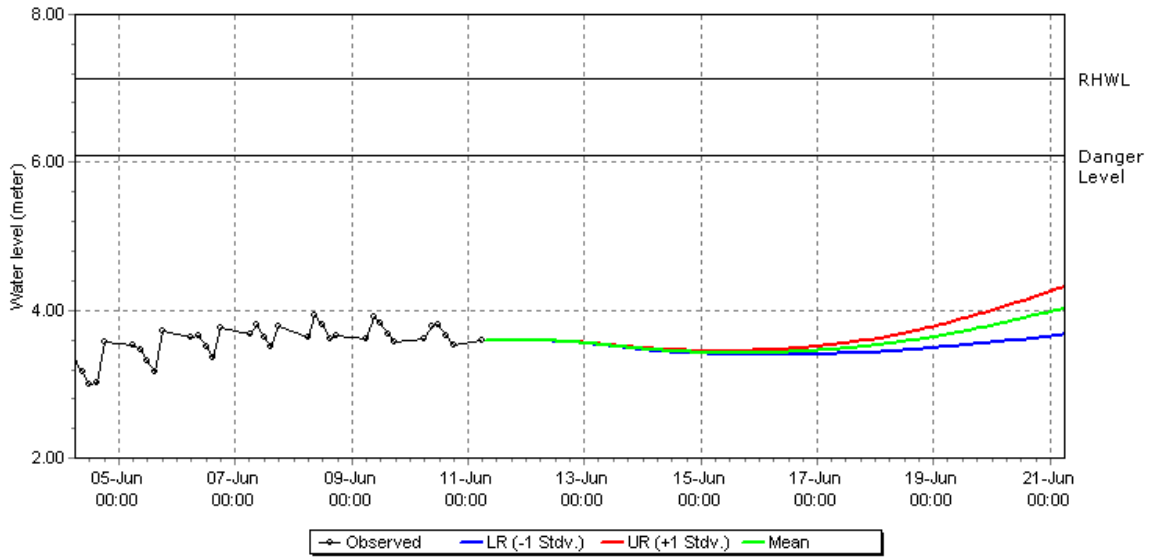
Gorai River at Kamarkhali (Year 2024)



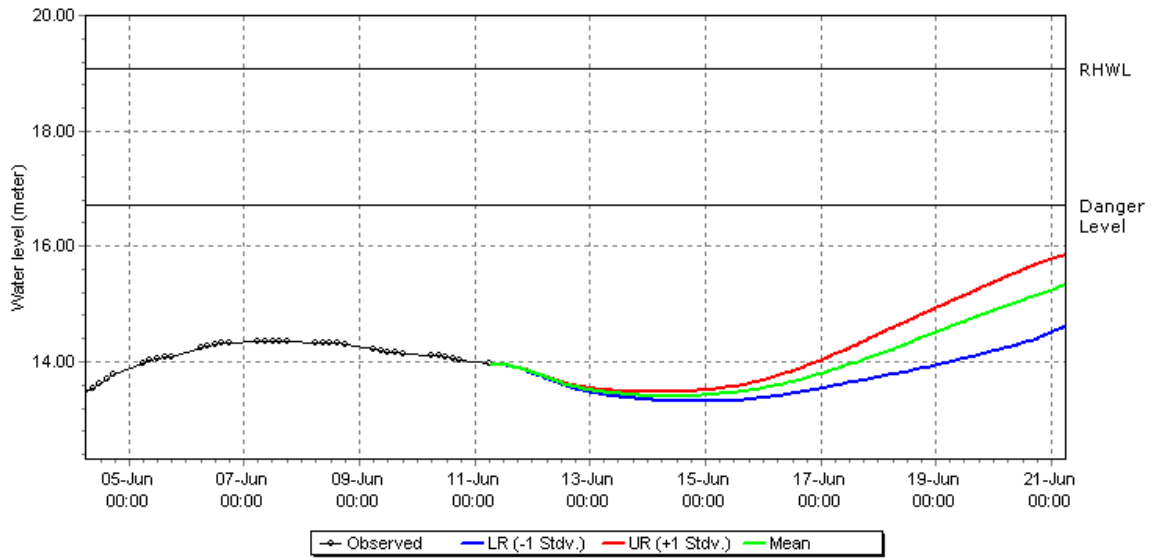
Padma River at Rajshahi (Year 2024)



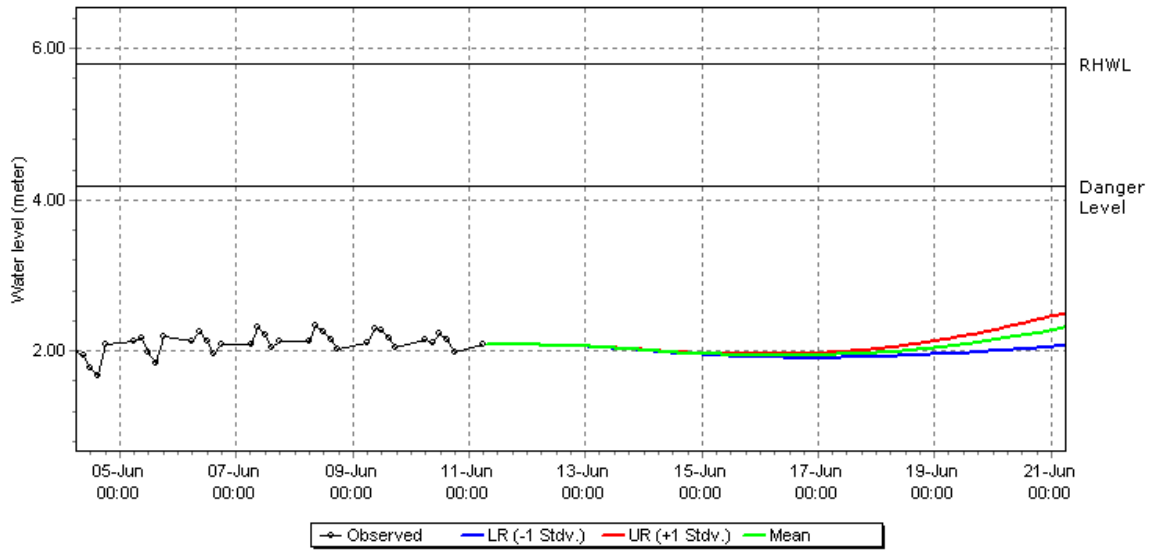
**Padma River at Mawa (Year 2024)**



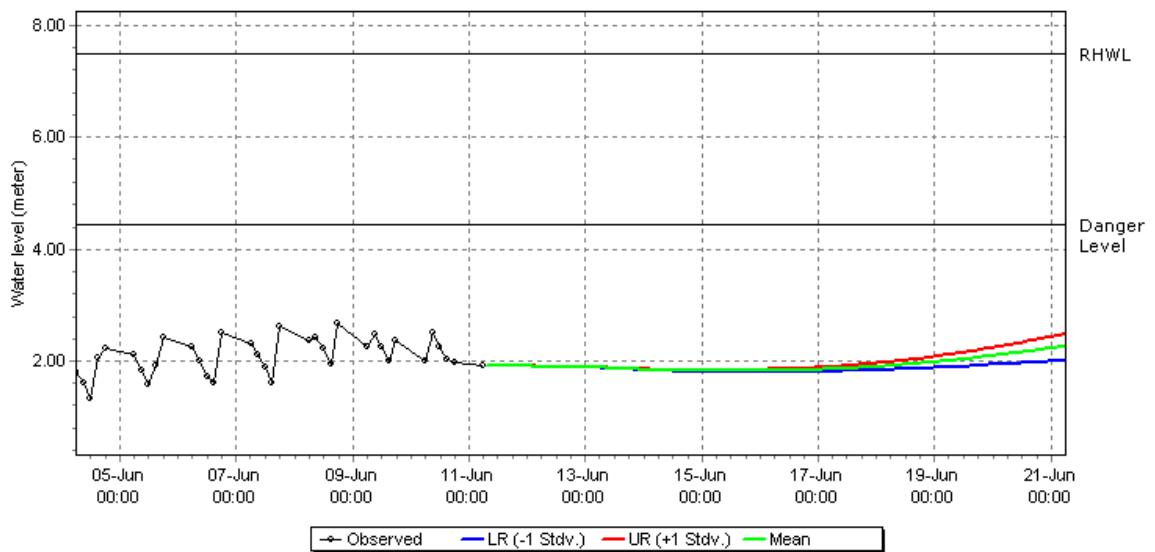
**Jamuna River at Sariakandi (Year 2024)**



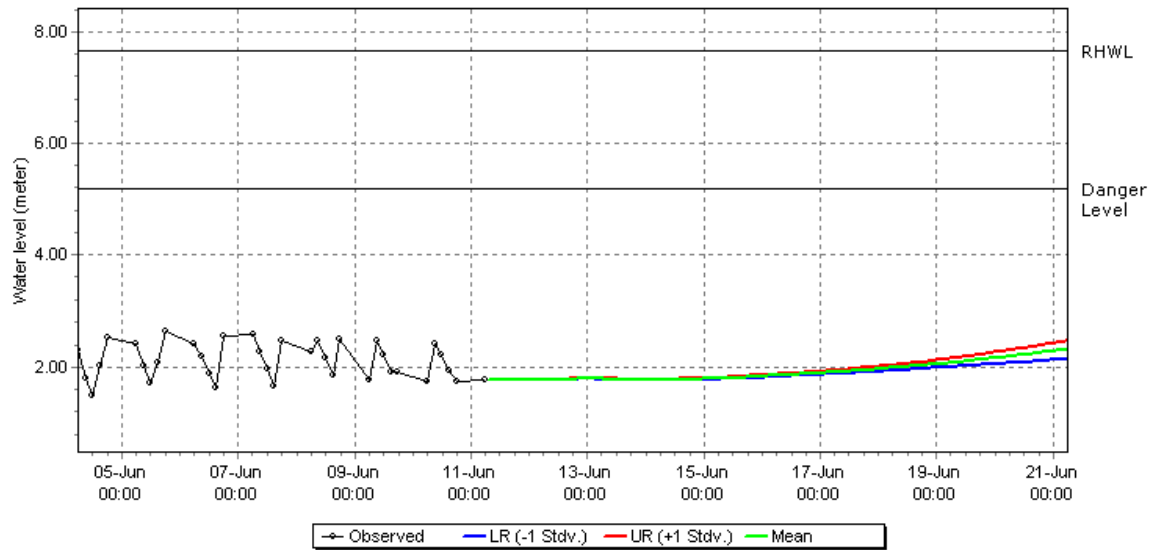
**Arialkhan River at Madaripur (Year 2024)**



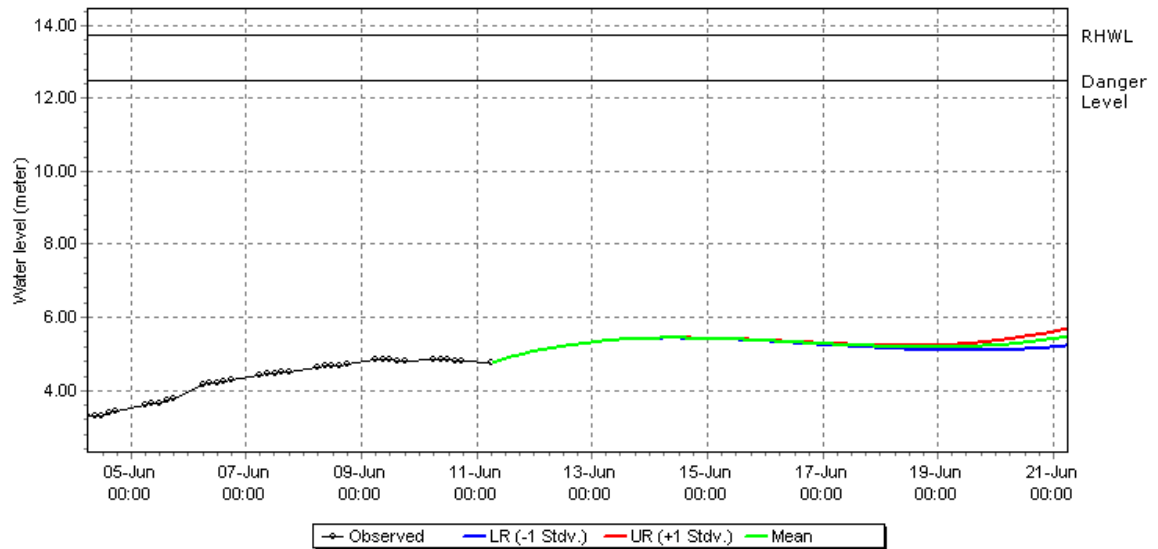
**Padma River at Sureshwar (Year 2024)**



Dhaleswari River at Rekabi-Bazar (Year 2024)

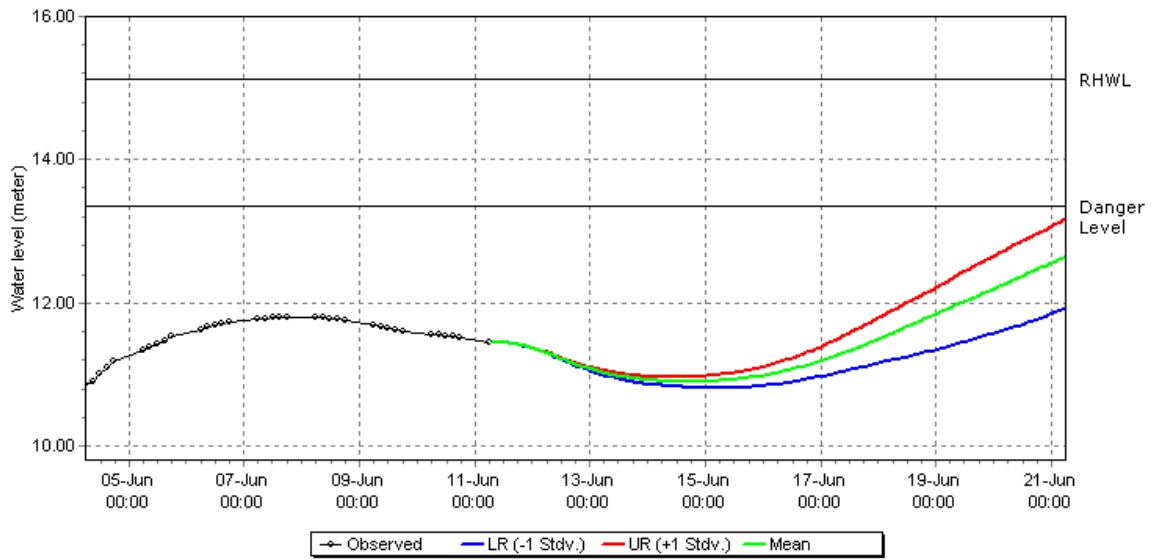


Old Brahmaputra River at Mymensingh (Year 2024)

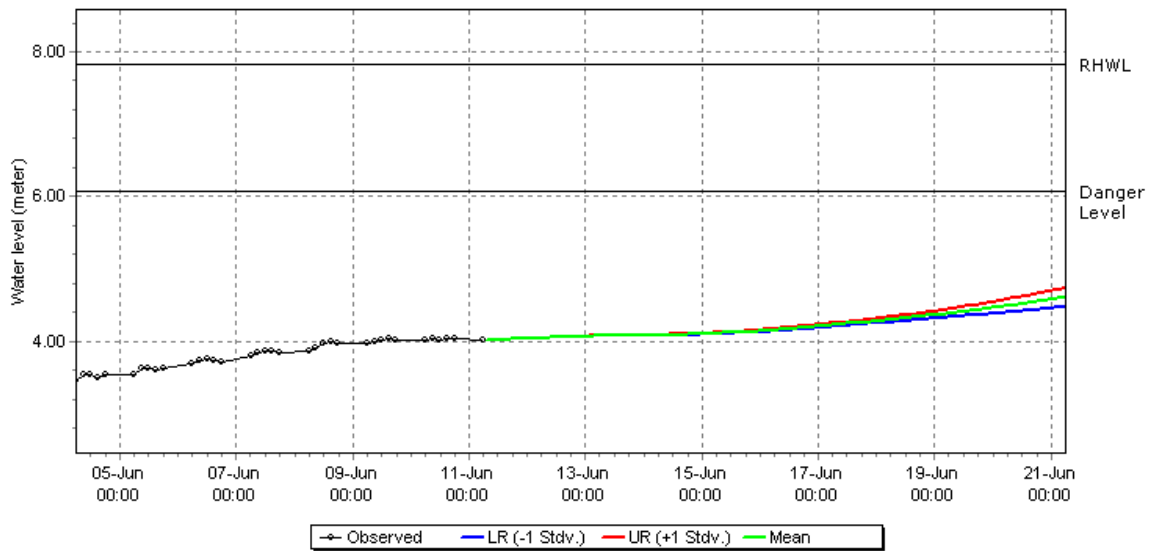




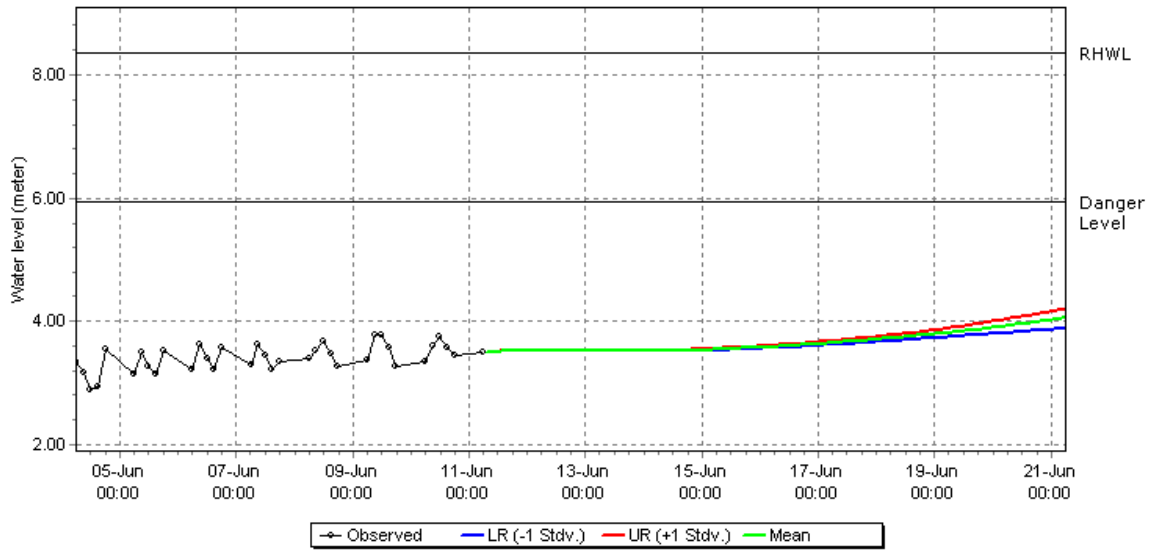
Jamuna River at Serajganj (Year 2024)



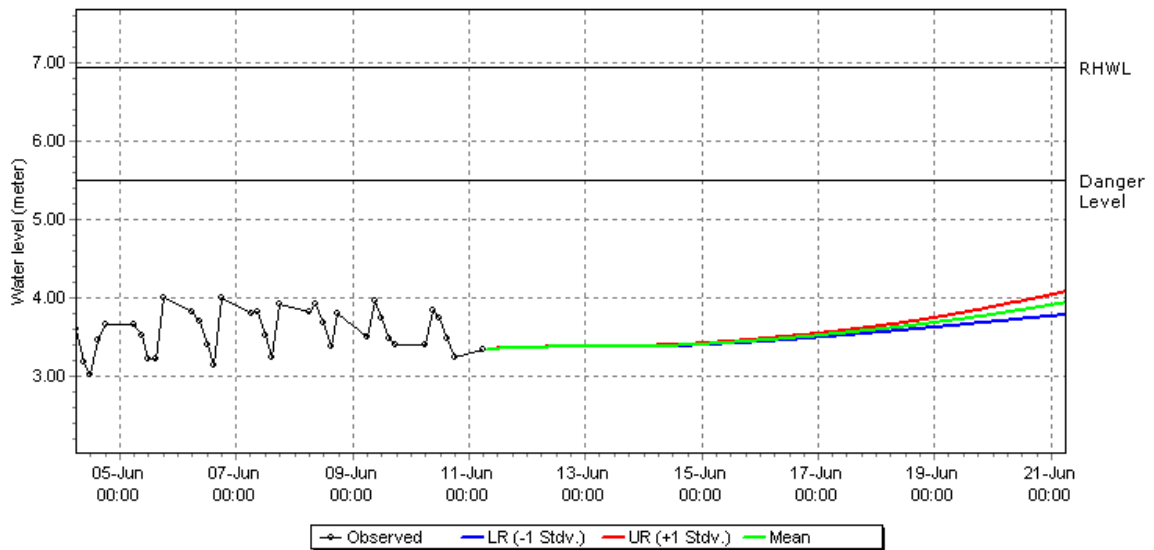
Tongi Khal at Tongi (Year 2024)



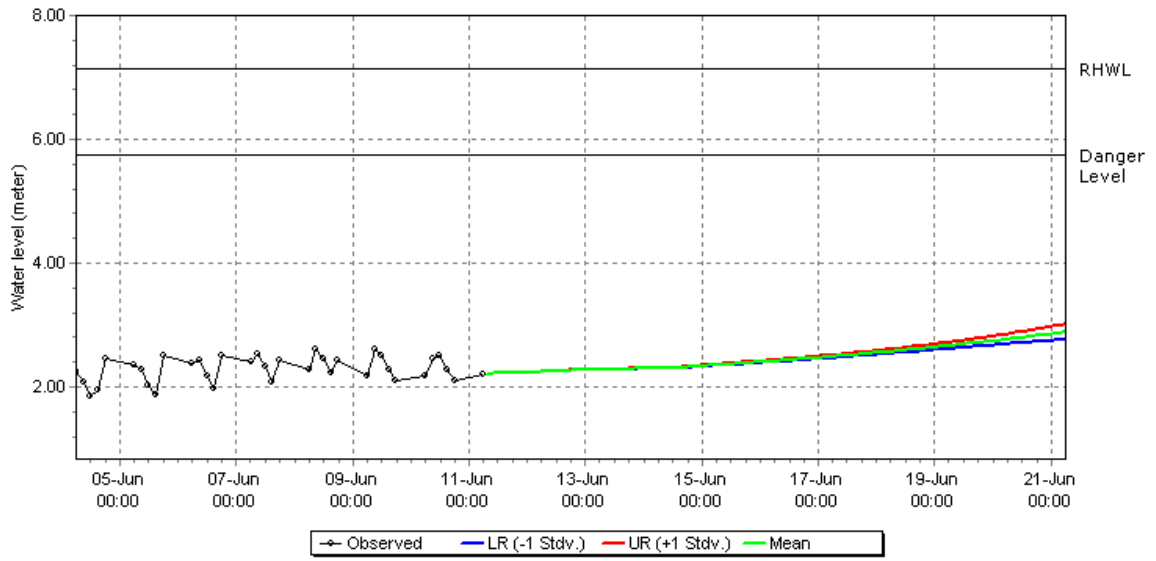
Turag River at Mirpur (Year 2024)



Lakhya River at Narayananj (Year 2024)



Balu River at Demra (Year 2024)



## **Elaboration**

The above forecast is carried out using the ECMWF 0.5X0.5 deg. ensemble precipitation forecasts (51 set of ensembles) across Brahmaputra and Ganges basin and generating 15 days flow forecast for Brahmaputra River (at Bahadurabad point) and on Ganges River (at Hardinge Bridge point).

Upper Range and Lower Range corresponds respectively to the +1 and -1 standard deviation.

Mean indicate the water level forecast generated from the median discharge used in the boundary.

The flood-forecasting model of FFWC, Bangladesh Water Development Board (BWDB) is acting as a background model for Long Range FFS Model and necessary customization has been brought out in FFWC model for this 10-day flood forecasting activities.

## **Disclaimer:**

The flow forecasting system for this model (Hydrological) has been redesigned. Though the model has been calibrated, validated and evaluated, it is still under development. So, the product should be used with extreme care.

## **Acknowledgement:**

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