

Station - Ban Kaeng Bua Kham, Chat Trakan, Phisanulok, N.81  
 Stream - Nan River  
 River - Khwae Noi  
 River System - Khwae Noi

Royal Irrigation By Pc  
 Thailand  
 Hydrology Division  
 Rating Curve HC2024 Y2017

Water Year 2018

Discharge, in Cubic Meter per Second, Water Year April 1, 2018 to March 31, 2019

Date	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Annual
1	3.50	5.00	27.60	53.80	122.50	134.60	34.20	18.50	10.20	5.20	3.20		
2	3.60	5.60	27.00	45.30	97.90	131.30	33.60	18.00	10.20	5.20	3.10		
3	3.80	6.60	27.00	39.00	83.50	132.40	32.40	18.00	10.20	5.00	3.10		
4	4.00	7.80	28.20	33.00	70.00	133.50	32.40	17.50	10.20	5.00	3.10		
5	4.60	9.00	30.00	27.00	58.60	142.30	31.80	17.50	9.90	5.00	3.00		
6	5.20	10.20	32.40	21.60	52.30	145.60	31.80	18.00	9.90	4.80	3.00		
7	6.00	9.60	35.40	18.50	49.50	141.20	31.20	18.50	9.90	4.80	3.00		
8	6.90	9.60	39.70	15.60	46.70	136.80	30.60	18.50	9.60	4.80	2.90		
9	6.30	9.30	43.20	14.00	45.30	133.50	30.00	18.00	9.60	4.80	2.90		
10	6.00	8.70	46.70	13.20	43.20	130.20	29.40	17.50	9.60	5.00	2.90		
11	6.00	9.60	53.00	12.40	40.40	129.10	28.80	17.50	9.30	5.00	2.90		
12	5.80	11.40	55.40	12.80	47.40	128.00	28.20	17.00	9.30	5.00	2.80		
13	5.80	13.20	57.00	15.20	50.90	132.40	27.60	17.00	9.30	5.20	2.80		
14	5.60	14.00	50.90	18.00	49.50	140.10	26.40	16.50	9.30	5.20	2.80		
15	5.60	13.60	41.80	22.20	52.30	134.60	25.80	16.00	9.00	5.20	2.80		
16	5.40	12.80	33.00	20.00	49.50	134.60	25.80	16.00	8.70	5.20	2.80		
17	5.40	12.40	27.00	19.00	47.40	131.30	26.40	15.60	8.40	5.00	2.80		
18	5.40	12.00	24.00	18.00	50.20	125.80	27.00	15.20	7.80	4.80	2.80		
19	5.20	12.40	21.60	20.50	53.80	115.90	26.40	14.80	7.50	4.60	2.80		
20	5.20	12.80	21.60	21.60	50.90	103.30	25.80	14.40	7.20	4.40	2.70		
21	5.20	13.20	22.20	19.50	54.60	93.40	25.20	13.60	6.90	4.20	2.70		
22	5.00	12.80	21.00	19.00	52.30	85.30	24.60	13.20	6.60	4.00	2.70		
23	5.00	12.40	21.00	30.60	49.50	74.50	24.00	12.80	6.30	3.90	2.70		
24	5.00	12.80	24.60	37.80	46.70	65.50	22.80	12.40	6.00	3.80	2.70		
25	4.80	12.40	32.40	49.50	43.20	56.20	21.60	12.00	5.80	3.70	2.70		
26	4.80	12.40	43.20	115.90	50.20	46.70	21.00	11.70	5.60	3.60	2.70		
27	4.80	13.20	57.00	123.60	61.00	43.20	20.50	11.40	5.60	3.50	2.70		
28	4.60	14.40	50.90	141.20	76.30	40.40	20.00	11.10	5.40	3.40	2.70		
29	4.60	18.50	57.00	164.40	100.60	37.80	19.50	10.80	5.40	3.30			
30	4.60	26.40	61.00	153.60	118.10	35.40	19.00	10.50	5.20	3.30			
31		27.00		137.90	135.70		18.50		5.20	3.20			
<b>Total</b>	153.70	381.10	1112.80	1453.70	1950.00	3214.90	822.30	459.50	249.10	139.10	79.80		10016.00 CMSDAY
<b>Mean</b>	5.12	12.29	37.09	46.89	62.90	107.16	26.53	15.32	8.04	4.49	2.85		29.88 CMS
<b>Max</b>	6.90	27.00	61.00	164.40	135.70	145.60	34.20	18.50	10.20	5.20	3.20		164.40 CMS
<b>Min</b>	3.50	5.00	21.00	12.40	40.40	35.40	18.50	10.50	5.20	3.20	2.70		2.70 CMS
<b>Runoff</b>	13.28	32.93	96.15	125.60	168.48	277.77	71.05	39.70	21.52	12.02	6.89		865.38 MCM
<b>Momentary Peak</b>		446.00	CMS, at	165.3	M (	MSL. ) ,at		9	Hours, on	SEP 19, 2018			
<b>Runoff Yield</b>		8.80	Liters/Second/Square		KM, Momentary Yield		142.949	Liters/Second/Square		KM			

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Water Year 2018  
 GAGE HEIGHT IN METER (MSL.), Water Year April 1, 2018 to March 31, 2019

<i>Date</i>	<i>Apr</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>	<i>Aug</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Annual</i>
<b>1</b>	161.35	161.45	162.01	162.41	163.15	163.26	162.12	161.85	161.64	161.46	161.32		
<b>2</b>	161.36	161.48	162.00	162.29	162.91	163.23	162.11	161.84	161.64	161.46	161.31		
<b>3</b>	161.38	161.52	162.00	162.20	162.75	163.24	162.09	161.84	161.64	161.45	161.31		
<b>4</b>	161.40	161.56	162.02	162.10	162.60	163.25	162.09	161.83	161.64	161.45	161.31		
<b>5</b>	161.43	161.60	162.05	162.00	162.47	163.33	162.08	161.83	161.63	161.45	161.30		
<b>6</b>	161.46	161.64	162.09	161.91	162.39	163.36	162.08	161.84	161.63	161.44	161.30		
<b>7</b>	161.50	161.62	162.14	161.85	162.35	163.32	162.07	161.85	161.63	161.44	161.30		
<b>8</b>	161.53	161.62	162.21	161.79	162.31	163.28	162.06	161.85	161.62	161.44	161.29		
<b>9</b>	161.51	161.61	162.26	161.75	162.29	163.25	162.05	161.84	161.62	161.44	161.29		
<b>10</b>	161.50	161.59	162.31	161.73	162.26	163.22	162.04	161.83	161.62	161.45	161.29		
<b>11</b>	161.50	161.62	162.40	161.71	162.22	163.21	162.03	161.83	161.61	161.45	161.29		
<b>12</b>	161.49	161.68	162.43	161.72	162.32	163.20	162.02	161.82	161.61	161.45	161.28		
<b>13</b>	161.49	161.73	162.45	161.78	162.37	163.24	162.01	161.82	161.61	161.46	161.28		
<b>14</b>	161.48	161.75	162.37	161.84	162.35	163.31	161.99	161.81	161.61	161.46	161.28		
<b>15</b>	161.48	161.74	162.24	161.92	162.39	163.26	161.98	161.80	161.60	161.46	161.28		
<b>16</b>	161.47	161.72	162.10	161.88	162.35	163.26	161.98	161.80	161.59	161.46	161.28		
<b>17</b>	161.47	161.71	162.00	161.86	162.32	163.23	161.99	161.79	161.58	161.45	161.28		
<b>18</b>	161.47	161.70	161.95	161.84	162.36	163.18	162.00	161.78	161.56	161.44	161.28		
<b>19</b>	161.46	161.71	161.91	161.89	162.41	163.09	161.99	161.77	161.55	161.43	161.28		
<b>20</b>	161.46	161.72	161.91	161.91	162.37	162.97	161.98	161.76	161.54	161.42	161.27		
<b>21</b>	161.46	161.73	161.92	161.87	162.42	162.86	161.97	161.74	161.53	161.41	161.27		
<b>22</b>	161.45	161.72	161.90	161.86	162.39	162.77	161.96	161.73	161.52	161.40	161.27		
<b>23</b>	161.45	161.71	161.90	162.06	162.35	162.65	161.95	161.72	161.51	161.39	161.27		
<b>24</b>	161.45	161.72	161.96	162.18	162.31	162.55	161.93	161.71	161.50	161.38	161.27		
<b>25</b>	161.44	161.71	162.09	162.35	162.26	162.44	161.91	161.70	161.49	161.37	161.27		
<b>26</b>	161.44	161.71	162.26	163.09	162.36	162.31	161.90	161.69	161.48	161.36	161.27		
<b>27</b>	161.44	161.73	162.45	163.16	162.50	162.26	161.89	161.68	161.48	161.35	161.27		
<b>28</b>	161.43	161.76	162.37	163.32	162.67	162.22	161.88	161.67	161.47	161.34	161.27		
<b>29</b>	161.43	161.85	162.45	163.52	162.94	162.18	161.87	161.66	161.47	161.33			
<b>30</b>	161.43	161.99	162.50	163.43	163.11	162.14	161.86	161.65	161.46	161.33			
<b>31</b>		162.00		163.29	163.27		161.85		161.46	161.32			
<b>Mean</b>	161.45	161.69	162.16	162.21	162.50	162.97	161.99	161.78	161.57	161.42	161.29		
<b>Max</b>	161.53	162.00	162.50	163.52	163.27	163.36	162.12	161.85	161.64	161.46	161.32		163.52
<b>Min</b>	161.35	161.45	161.90	161.71	162.22	162.14	161.85	161.65	161.46	161.32	161.27		161.27
<b>Annual Max Momentary Gage Height</b>	165.3 M (MSL.), AT 09:00 Hours, On SEP 19, 2018												
<b>Zero Gage At Bottom Elevation</b>	160.26 M (MSL.), River Bed 160.23 M (MSL.)												
<b>Left Bank Elevation</b>	167.09 M (MSL.)												
<b>Right Bank Elevation</b>	167.09 M (MSL.), Drainage Area 3120 Square Kilometers												