

LCRA WMP WAM MODEL RESULTS

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Model Version October 4, 2018

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Page 1 Instream flow condition are color-coded. Storage values reported for the end of the February, June and October determine instream flow conditions for March-June, July-October and November-February respectively.

Page 2 Bay inflow condition are color-coded. Storage values reported at end of February, June and October determine bay inflow conditions for March-June, July-October and November-February respectively. The color-coding from this page is also used on pages 4, 5, 6 and 7.

Page 3 Total flow at Wharton gage. Streamflow values are presented in cubic feet per second (cfs) for comparison to the monthly subsistence criteria (shown at bottom of page). Months when combined storage is below 900,000 acre-feet are highlighted. Months when flow is less than subsistence are indicated in bold/underline.

Model Version for October 4, 2018

09/24/2018 Instream flow condition (base average, base dry, subsistence) shown on LCRA System Storage
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	BASE AVERAGE
	BASE DRY
	SUBSISTENCE

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1940	1,971,754	1,976,435	1,953,714	1,996,717	1,953,496	1,953,496	1,953,496	1,921,982	1,852,237	1,834,296	1,949,474	1,996,717
1941	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,953,496	1,953,496	1,901,938	1,888,807	1,953,496	1,959,016	1,956,562
1942	1,941,982	1,925,350	1,900,915	1,996,717	1,953,496	1,939,043	1,860,752	1,875,658	1,913,397	1,953,496	1,976,349	1,977,720
1943	1,959,964	1,937,395	1,919,573	1,892,287	1,814,402	1,825,146	1,761,526	1,665,962	1,640,094	1,614,385	1,600,782	1,601,322
1944	1,666,661	1,735,661	1,803,528	1,793,636	1,953,496	1,931,123	1,839,687	1,868,923	1,855,268	1,860,552	1,859,105	1,914,951
1945	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,913,277	1,903,341	1,833,355	1,818,842	1,824,854	1,804,431	1,799,316
1946	1,820,323	1,852,020	1,856,721	1,898,315	1,953,496	1,885,031	1,789,128	1,703,956	1,714,359	1,716,169	1,751,851	1,781,645
1947	1,933,862	1,957,306	1,993,605	1,996,717	1,944,326	1,862,623	1,755,084	1,651,478	1,570,946	1,534,582	1,506,977	1,516,502
1948	1,503,770	1,497,561	1,486,053	1,474,630	1,455,114	1,444,582	1,422,968	1,330,645	1,284,734	1,249,270	1,219,176	1,199,549
1949	1,199,729	1,243,616	1,289,548	1,426,604	1,507,817	1,495,617	1,438,920	1,390,232	1,354,797	1,343,495	1,320,644	1,315,404
1950	1,316,204	1,337,227	1,310,929	1,319,814	1,304,904	1,235,848	1,177,506	1,128,221	1,123,455	1,093,734	1,071,179	1,053,945
1951	1,037,351	1,028,789	1,013,775	989,497	1,048,953	1,152,752	1,078,466	1,017,656	975,916	929,302	900,144	882,480
1952	872,839	859,584	835,311	887,988	992,577	951,805	908,053	845,410	1,782,577	1,748,900	1,765,568	1,852,651
1953	1,883,225	1,895,048	1,892,338	1,873,961	1,837,823	1,816,792	1,726,401	1,667,289	1,615,308	1,645,554	1,615,817	1,594,214
1954	1,583,706	1,552,546	1,505,633	1,555,716	1,558,178	1,423,744	1,321,119	1,226,027	1,152,105	1,124,159	1,122,248	1,103,504
1955	1,105,997	1,110,673	1,074,290	1,035,322	1,424,643	1,499,849	1,511,693	1,506,879	1,636,722	1,630,911	1,604,975	1,580,509
1956	1,559,695	1,552,861	1,500,938	1,473,771	1,672,317	1,466,718	1,448,158	1,356,349	1,276,474	1,238,296	1,211,530	1,190,322
1957	1,175,438	1,174,871	1,199,622	1,784,337	1,953,496	1,953,496	1,912,758	1,872,986	1,866,883	1,953,496	1,996,717	1,996,717
1958	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,953,496	1,895,727	1,851,334	1,892,643	1,934,269	1,953,884	1,959,066
1959	1,962,079	1,972,855	1,959,132	1,976,043	1,941,749	1,953,496	1,953,496	1,919,715	1,881,845	1,953,496	1,965,059	1,986,836
1960	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,865,332	1,826,535	1,931,674	1,899,083	1,953,496	1,961,748	1,996,717
1961	1,996,717	1,996,717	1,996,717	1,990,962	1,938,803	1,953,496	1,953,496	1,911,917	1,912,875	1,928,428	1,937,433	1,939,890
1962	1,933,671	1,915,472	1,895,436	1,883,266	1,801,065	1,759,668	1,700,356	1,618,222	1,588,669	1,624,887	1,611,884	1,605,866
1963	1,593,151	1,590,900	1,555,596	1,524,975	1,516,692	1,443,239	1,350,177	1,279,767	1,237,449	1,211,560	1,233,261	1,230,508
1964	1,241,432	1,267,017	1,288,873	1,295,331	1,255,823	1,200,463	1,136,300	1,115,479	1,551,822	1,580,162	1,638,310	1,645,160
1965	1,671,020	1,848,282	1,855,540	1,846,027	1,953,496	1,953,496	1,883,819	1,807,282	1,799,063	1,789,340	1,807,593	1,852,433
1966	1,874,701	1,904,170	1,960,094	1,975,798	1,953,496	1,877,725	1,781,147	1,761,655	1,813,613	1,789,640	1,773,347	1,762,478
1967	1,743,520	1,736,272	1,705,146	1,672,197	1,635,226	1,495,629	1,434,332	1,357,729	1,367,406	1,382,888	1,410,093	1,412,547
1968	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,953,496	1,945,341	1,881,275	1,856,246	1,832,139	1,821,710	1,814,073
1969	1,799,707	1,792,218	1,793,294	1,877,439	1,937,522	1,872,560	1,791,663	1,752,868	1,730,132	1,953,496	1,979,263	1,996,717
1970	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,948,559	1,878,842	1,812,680	1,796,278	1,781,484	1,764,831	1,759,040
1971	1,746,252	1,731,281	1,702,827	1,662,483	1,594,182	1,447,668	1,439,074	1,726,602	1,862,260	1,953,496	1,983,131	1,996,717
1972	1,996,717	1,996,717	1,971,261	1,946,605	1,953,496	1,896,202	1,825,465	1,792,447	1,761,024	1,751,988	1,756,210	1,750,921
1973	1,767,516	1,807,261	1,820,415	1,839,408	1,780,212	1,759,817	1,799,147	1,789,931	1,777,927	1,953,496	1,965,018	1,967,843
1974	1,979,840	1,966,480	1,946,646	1,919,120	1,953,496	1,860,460	1,778,376	1,953,496	1,953,496	1,953,496	1,996,717	1,996,717
1975	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,953,496	1,953,496	1,928,036	1,901,298	1,887,039	1,871,689	1,867,304
1976	1,858,087	1,841,685	1,828,844	1,852,122	1,809,997	1,763,018	1,953,496	1,900,922	1,941,355	1,953,496	1,976,828	1,990,848
1977	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,908,340	1,835,448	1,761,587	1,709,036	1,681,016	1,677,404	1,669,896
1978	1,669,128	1,678,221	1,666,656	1,641,544	1,577,417	1,469,053	1,380,848	1,688,573	1,747,032	1,724,040	1,742,170	1,752,564
1979	1,792,755	1,868,973	1,952,691	1,996,717	1,953,496	1,953,496	1,950,429	1,946,231	1,899,549	1,868,387	1,849,159	1,839,599
1980	1,827,903	1,816,219	1,798,766	1,769,373	1,781,261	1,675,881	1,568,705	1,463,011	1,741,391	1,760,110	1,761,436	1,773,604
1981	1,776,787	1,777,072	1,841,880	1,872,068	1,836,522	1,953,496	1,928,726	1,890,358	1,871,498	1,953,496	1,957,105	1,953,953
1982	1,942,385	1,930,400	1,933,483	1,917,748	1,925,947	1,950,438	1,902,243	1,827,232	1,768,555	1,734,860	1,725,736	1,716,866
1983	1,716,942	1,728,563	1,753,299	1,721,860	1,765,610	1,753,969	1,687,662	1,630,237	1,579,229	1,558,634	1,549,874	1,534,566
1984	1,522,483	1,504,036	1,449,689	1,443,818	1,361,581	1,254,416	1,161,469	1,098,800	1,051,362	1,202,373	1,206,780	1,406,021
1985	1,587,144	1,655,458	1,757,177	1,774,067	1,745,156	1,727,959	1,652,673	1,568,186	1,521,307	1,712,348	1,732,541	1,764,355
1986	1,763,555	1,828,755	1,806,108	1,782,270	1,787,619	1,953,496	1,875,741	1,815,223	1,853,313	1,953,496	1,979,272	1,996,717
1987	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,953,496	1,950,549	1,915,196	1,938,433	1,930,390	1,959,872	1,956,701
1988	1,948,202	1,938,615	1,920,934	1,891,534	1,843,671	1,797,733	1,827,906	1,737,665	1,686,373	1,652,223	1,626,558	1,616,000
1989	1,629,817	1,656,107	1,660,241	1,639,995	1,690,584	1,683,734	1,589,356	1,493,724	1,432,122	1,398,789	1,382,916	1,372,101
1990	1,365,254	1,373,093	1,415,659	1,609,046	1,891,707	1,817,228	1,828,722	1,792,749	1,835,472	1,826,372	1,829,431	1,813,463
1991	1,856,786	1,867,250	1,847,280	1,834,785	1,773,964	1,750,822	1,691,011	1,635,970	1,685,460	1,707,937	1,737,946	1,996,717
1992	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,953,496	1,946,243	1,906,978	1,909,363	1,924,342	1,961,702	1,995,022
1993	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,909,950	1,832,127	1,741,958	1,717,021	1,709,718	1,706,742	1,705,488
1994	1,717,149	1,738,075	1,749,746	1,734,543	1,952,529	1,858,014	1,773,298	1,718,960	1,704,452	1,727,030	1,761,411	1,845,669
1995	1,881,331	1,898,838	1,950,215	1,996,717	1,953,496	1,953,496	1,881,111	1,811,544	1,787,136	1,760,985	1,769,992	1,771,530
1996	1,755,809	1,742,004	1,720,512	1,681,736	1,586,772	1,477,436	1,403,756	1,392,581	1,419,811	1,645,964	1,687,318	1,745,580
1997	1,760,139	1,996,717	1,996,717	1,996,717	1,953,496	1,953,496	1,953,496	1,947,089	1,909,503	1,905,736	1,907,355	1,931,003
1998	1,954,091	1,996,717	1,996,717	1,996,717	1,926,684	1,819,985	1,746,921	1,737,686	1,718,136	1,807,380	1,878,436	1,908,752
1999	1,926,177	1,909,060	1,977,144	1,959,666	1,953,496	1,885,110	1,808,029	1,720,867	1,653,850	1,620,131	1,588,864	1,568,915
2000	1,549,589	1,550,691	1,531,652	1,508,174	1,467,563	1,465,245	1,394,259	1,311,659	1,264,642	1,358,535	1,996,717	1,996,717
2001	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,871,387	1,790,043	1,740,679	1,728,313	1,724,641	1,950,193	1,957,711
2002	1,966,731	1,973,516	1,966,364	1,945,206	1,869,411	1,834,600	1,953,496	1,914,158	1,891,100	1,947,089	1,962,190	1,974,795
2003	1,982,368	1,996,717	1,996,717	1,980,194	1,915,128	1,920,324	1,856,838	1,790,344	1,785,630	1,831,424	1,811,769	1,790,554
2004	1,798,430	1,807,312	1,832,159	1,996,717	1,953,496	1,953,496	1,943,006	1,953,496	1,915,864	1,939,923	1,996,717	1,996,717
2005	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,896,568	1,828,845	1,842,388	1,759,273	1,728,274	1,704,812	1,684,528
2006	1,672,723	1,6										

Model Version for October 4, 2018

09/24/2018 Bay inflow condition (OP604, OP603, OP602, OP601, Threshold) shown on LCRA System Storage

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	OP604	OP603	OP602	OP601	THRESHOLD							
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1940	1,971,754	1,976,435	1,953,714	1,996,717	1,953,496	1,953,496	1,953,496	1,921,982	1,852,237	1,834,296	1,949,474	1,996,717
1941	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,953,496	1,953,496	1,901,938	1,888,807	1,953,496	1,956,016	1,956,562
1942	1,941,982	1,925,350	1,900,915	1,996,717	1,953,496	1,939,043	1,860,752	1,875,658	1,913,397	1,953,496	1,976,349	1,977,720
1943	1,959,964	1,937,395	1,919,573	1,892,287	1,814,402	1,825,146	1,761,526	1,665,962	1,640,094	1,614,385	1,600,782	1,601,322
1944	1,666,661	1,735,661	1,803,528	1,793,636	1,953,496	1,931,123	1,839,687	1,868,923	1,855,268	1,860,552	1,859,105	1,914,951
1945	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,913,277	1,903,341	1,833,355	1,818,842	1,824,854	1,804,431	1,799,316
1946	1,820,323	1,852,020	1,856,721	1,898,315	1,953,496	1,885,031	1,789,128	1,703,956	1,714,359	1,716,169	1,751,851	1,781,645
1947	1,933,862	1,957,306	1,993,605	1,996,717	1,944,326	1,862,623	1,755,084	1,651,478	1,570,946	1,534,582	1,506,977	1,516,502
1948	1,503,770	1,497,561	1,486,053	1,474,630	1,455,114	1,444,582	1,422,968	1,330,645	1,284,734	1,249,270	1,219,176	1,199,549
1949	1,199,729	1,243,616	1,289,548	1,426,604	1,507,817	1,495,617	1,438,920	1,390,232	1,354,797	1,343,495	1,320,644	1,315,404
1950	1,316,204	1,337,227	1,310,929	1,319,814	1,304,904	1,235,848	1,177,506	1,128,221	1,123,455	1,093,734	1,071,179	1,053,945
1951	1,037,351	1,028,789	1,013,775	989,497	1,048,953	1,152,752	1,078,466	1,017,656	975,916	929,302	900,144	882,480
1952	872,839	859,584	835,311	887,988	992,577	951,805	908,053	845,410	1,782,577	1,748,900	1,765,568	1,852,651
1953	1,883,225	1,895,048	1,892,338	1,873,961	1,937,823	1,816,792	1,726,401	1,667,289	1,615,308	1,645,554	1,615,817	1,594,214
1954	1,583,706	1,552,546	1,505,633	1,555,716	1,558,178	1,423,744	1,321,119	1,226,027	1,152,105	1,124,159	1,122,248	1,103,504
1955	1,105,997	1,110,673	1,074,290	1,035,322	1,424,643	1,499,849	1,511,693	1,506,879	1,636,722	1,630,911	1,604,975	1,580,509
1956	1,559,695	1,552,861	1,500,938	1,473,771	1,672,317	1,546,718	1,448,158	1,356,349	1,276,474	1,238,296	1,211,530	1,190,322
1957	1,175,438	1,174,871	1,199,622	1,784,337	1,953,496	1,953,496	1,912,758	1,872,986	1,866,883	1,953,496	1,996,717	1,996,717
1958	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,953,496	1,895,727	1,851,334	1,892,643	1,934,269	1,953,884	1,959,066
1959	1,962,079	1,972,855	1,959,132	1,976,043	1,941,749	1,953,496	1,953,496	1,919,715	1,881,845	1,953,496	1,965,059	1,986,836
1960	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,865,332	1,826,535	1,931,674	1,899,083	1,953,496	1,961,748	1,996,717
1961	1,996,717	1,996,717	1,996,717	1,990,962	1,938,803	1,953,496	1,953,496	1,911,917	1,912,875	1,928,428	1,937,433	1,939,980
1962	1,933,671	1,915,472	1,895,436	1,883,266	1,801,065	1,759,668	1,700,356	1,618,222	1,588,669	1,624,887	1,611,884	1,605,866
1963	1,593,151	1,590,900	1,555,596	1,524,975	1,516,692	1,443,239	1,350,177	1,279,767	1,237,449	1,211,560	1,233,261	1,230,508
1964	1,241,432	1,267,017	1,288,873	1,295,331	1,255,823	1,200,463	1,136,300	1,115,479	1,551,822	1,580,162	1,638,310	1,645,160
1965	1,671,020	1,848,282	1,855,540	1,846,027	1,953,496	1,953,496	1,883,819	1,807,282	1,799,063	1,789,340	1,807,593	1,852,433
1966	1,874,701	1,904,170	1,906,094	1,975,798	1,953,496	1,877,725	1,781,147	1,761,655	1,813,613	1,789,640	1,773,347	1,762,478
1967	1,743,520	1,736,272	1,705,146	1,672,197	1,635,226	1,495,629	1,434,332	1,357,729	1,367,406	1,382,888	1,410,093	1,412,547
1968	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,953,496	1,945,341	1,881,275	1,856,246	1,832,139	1,821,710	1,814,073
1969	1,799,707	1,792,218	1,793,294	1,877,439	1,937,522	1,872,560	1,791,663	1,752,868	1,730,132	1,953,496	1,979,263	1,996,717
1970	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,948,559	1,878,842	1,812,680	1,796,278	1,781,484	1,764,831	1,759,040
1971	1,746,252	1,731,281	1,702,827	1,662,483	1,594,182	1,447,668	1,439,074	1,726,602	1,862,260	1,953,496	1,983,131	1,996,717
1972	1,996,717	1,996,717	1,971,261	1,946,605	1,953,496	1,896,202	1,825,465	1,792,447	1,761,024	1,953,496	1,956,210	1,750,921
1973	1,767,516	1,807,261	1,820,415	1,839,408	1,780,212	1,759,817	1,799,147	1,789,931	1,777,927	1,953,496	1,965,018	1,967,843
1974	1,979,840	1,966,480	1,946,646	1,919,120	1,953,496	1,860,460	1,778,376	1,953,496	1,953,496	1,953,496	1,996,717	1,996,717
1975	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,953,496	1,953,496	1,928,036	1,901,298	1,887,039	1,871,689	1,867,304
1976	1,858,087	1,841,685	1,828,844	1,852,122	1,809,997	1,763,018	1,953,496	1,900,922	1,941,355	1,953,496	1,976,828	1,990,848
1977	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,908,340	1,835,448	1,761,587	1,709,036	1,681,016	1,677,404	1,669,896
1978	1,669,128	1,678,221	1,666,656	1,641,544	1,577,417	1,469,053	1,380,848	1,688,573	1,747,032	1,724,040	1,742,170	1,752,564
1979	1,792,755	1,868,973	1,952,691	1,996,717	1,953,496	1,953,496	1,950,429	1,946,231	1,899,549	1,868,387	1,849,159	1,839,599
1980	1,827,903	1,816,219	1,798,766	1,769,373	1,781,261	1,675,881	1,568,705	1,463,011	1,741,391	1,760,110	1,761,436	1,773,604
1981	1,776,787	1,777,072	1,841,880	1,872,068	1,836,522	1,953,496	1,928,726	1,890,358	1,871,498	1,953,496	1,957,105	1,953,953
1982	1,942,385	1,930,400	1,933,483	1,917,748	1,925,947	1,950,438	1,902,243	1,827,232	1,768,555	1,734,860	1,725,736	1,716,866
1983	1,716,942	1,728,563	1,753,299	1,721,860	1,765,610	1,753,969	1,687,662	1,630,237	1,579,229	1,558,634	1,549,874	1,534,566
1984	1,522,483	1,504,036	1,449,689	1,443,818	1,361,581	1,254,416	1,161,469	1,098,800	1,051,362	1,202,373	1,206,780	1,406,021
1985	1,587,144	1,655,458	1,757,177	1,774,067	1,745,156	1,727,959	1,652,673	1,568,186	1,521,307	1,712,348	1,732,541	1,764,355
1986	1,763,555	1,828,755	1,806,108	1,782,270	1,787,619	1,953,496	1,875,741	1,815,223	1,853,313	1,953,496	1,979,272	1,996,717
1987	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,953,496	1,950,549	1,915,196	1,938,433	1,930,390	1,945,872	1,956,701
1988	1,948,202	1,938,615	1,920,934	1,891,534	1,843,671	1,797,733	1,827,906	1,737,665	1,686,373	1,652,223	1,626,558	1,616,000
1989	1,629,817	1,656,107	1,660,241	1,639,995	1,690,584	1,683,734	1,589,356	1,493,724	1,432,122	1,398,789	1,382,916	1,372,101
1990	1,365,254	1,373,093	1,415,659	1,609,046	1,891,707	1,817,228	1,828,722	1,792,749	1,835,472	1,826,372	1,829,431	1,813,463
1991	1,856,786	1,867,250	1,847,280	1,834,785	1,773,964	1,750,822	1,691,011	1,635,970	1,685,460	1,707,937	1,737,946	1,996,717
1992	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,953,496	1,946,243	1,906,978	1,909,363	1,924,342	1,961,702	1,995,022
1993	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,909,950	1,832,127	1,741,958	1,717,021	1,709,718	1,706,742	1,705,488
1994	1,717,149	1,738,075	1,749,746	1,734,543	1,952,529	1,858,014	1,773,298	1,718,960	1,704,452	1,727,030	1,761,411	1,845,669
1995	1,881,331	1,898,838	1,950,215	1,996,717	1,953,496	1,953,018	1,881,111	1,811,544	1,787,136	1,760,985	1,769,992	1,771,530
1996	1,755,809	1,742,004	1,720,512	1,681,736	1,586,772	1,477,436	1,403,756	1,392,581	1,419,811	1,645,964	1,687,318	1,745,580
1997	1,760,139	1,996,717	1,996,717	1,996,717	1,953,496	1,953,496	1,953,496	1,947,089	1,909,503	1,905,736	1,907,355	1,931,003
1998	1,954,091	1,996,717	1,996,717	1,996,717	1,926,684	1,819,985	1,746,921	1,737,686	1,718,136	1,807,380	1,878,436	1,908,752
1999	1,926,177	1,909,060	1,977,144	1,959,666	1,953,496	1,885,110	1,808,029	1,720,867	1,653,850	1,620,131	1,588,864	1,568,915
2000	1,549,589	1,550,691	1,531,652	1,508,174	1,467,563	1,465,245	1,394,259	1,311,659	1,264,642	1,358,535	1,996,717	1,996,717
2001	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,871,387	1,790,043	1,740,679	1,728,313	1,724,641	1,950,193	1,957,711
2002	1,966,731	1,973,516	1,966,364	1,945,206	1,869,411	1,834,600	1,953,496	1,914,158	1,891,100	1,947,089	1,962,190	1,974,795
2003	1,982,368	1,996,717	1,996,717	1,980,194	1,915,128	1,920,324	1,856,838	1,790,344	1,785,630	1,831,424	1,811,769	1,790,554
2004	1,798,430	1,807,312	1,832,159	1,996,717	1,953,496	1,953,496	1,943,006	1,953,496	1,915,864	1,939,923	1,996,717	1,996,717
2005	1,996,717	1,996,717	1,996,717	1,996,717	1,953,496	1,896,568	1,828,845	1,842,388	1,759,273	1,728,274	1,704,812	1,684,528
2006	1,672,723											

Model Version for October 4, 2018

09/24/2018 Total flow at Wharton gage (average monthly flow in cfs)

02:24 PM Subsistence Criteria and Number of Months Flow was Below Criteria Shown at Bottom of Page

	HL STORAGE BELOW 900K
bold/under	Flow Below Subsistence

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1940	433	953	367	1,050	1,780	5,250	10,173	438	228	941	11,963	10,434
1941	3,696	5,095	7,075	11,130	21,127	15,939	5,434	1,704	788	5,159	1,726	1,102
1942	696	891	645	6,861	4,595	644	3,638	869	1,201	3,915	1,563	1,071
1943	1,357	1,442	1,228	550	646	1,259	898	321	636	434	683	907
1944	2,416	2,301	3,607	899	5,131	818	351	1,343	1,129	538	2,397	3,218
1945	5,389	4,641	4,871	9,423	1,449	1,524	673	1,348	945	978	833	1,119
1946	2,378	3,101	4,524	1,473	5,060	4,829	2,118	361	2,009	1,104	4,955	2,039
1947	3,664	1,135	1,903	1,258	861	456	309	2,096	826	409	658	570
1948	426	686	540	334	1,037	1,764	665	653	306	202	447	382
1949	503	3,289	945	5,393	1,263	686	493	250	461	2,153	751	1,501
1950	1,224	2,806	651	2,180	1,394	3,656	376	263	1,232	316	358	452
1951	373	429	407	416	355	994	301	207	651	438	463	442
1952	360	521	465	948	1,504	399	212	126	537	283	599	2,705
1953	1,083	1,024	737	712	3,869	964	612	387	1,168	1,191	989	1,247
1954	733	376	284	576	1,250	740	433	429	394	147	404	301
1955	382	546	338	270	744	505	263	356	961	634	526	473
1956	390	704	317	279	1,600	734	478	474	391	240	432	469
1957	340	480	1,315	4,383	18,405	14,181	809	298	4,300	20,878	4,701	2,513
1958	4,067	10,476	4,237	1,910	4,848	3,454	646	362	2,633	1,297	1,955	837
1959	891	1,920	807	7,398	1,195	3,743	1,522	329	295	10,877	1,222	2,011
1960	3,767	4,571	1,573	3,806	2,148	5,537	1,276	779	316	6,040	5,242	4,220
1961	5,934	8,170	2,035	1,011	1,013	13,437	5,762	875	7,671	1,031	1,956	1,250
1962	1,642	978	531	633	997	1,180	717	727	821	564	540	884
1963	673	1,219	464	479	362	654	555	619	493	333	428	431
1964	412	511	470	270	379	841	411	143	766	673	798	596
1965	2,328	4,749	942	934	13,532	2,530	1,118	743	1,052	738	1,993	3,170
1966	1,166	2,009	1,646	1,029	4,359	1,071	479	753	1,266	465	538	516
1967	458	439	308	293	769	973	568	476	1,313	1,145	1,622	676
1968	6,314	3,586	6,105	5,498	9,917	8,078	1,974	801	1,997	623	1,092	2,519
1969	1,032	4,237	2,980	2,919	2,341	1,020	700	579	524	5,029	2,051	2,379
1970	1,981	3,622	8,601	2,702	8,905	1,579	1,026	732	1,016	2,855	759	628
1971	373	375	412	270	334	1,000	1,022	727	1,016	4,597	1,501	2,822
1972	1,789	1,401	909	640	5,305	1,147	653	470	552	470	602	603
1973	1,232	2,227	2,796	4,865	1,862	8,377	1,421	603	1,435	12,125	2,447	964
1974	5,357	1,523	1,000	599	2,812	897	351	4,739	9,686	5,771	8,764	4,000
1975	2,730	8,290	2,648	3,057	14,795	7,361	2,544	1,090	967	775	918	906
1976	751	784	614	3,994	4,532	2,373	1,920	869	465	2,931	2,016	6,022
1977	1,504	4,748	1,791	18,517	4,526	1,246	567	688	746	679	632	617
1978	933	1,014	304	361	373	1,455	394	1,351	2,346	410	1,184	837
1979	3,774	3,393	2,132	3,555	7,051	8,340	1,340	498	1,566	654	730	844
1980	1,262	1,190	587	486	2,930	677	439	750	1,872	547	637	529
1981	530	537	874	1,016	1,936	13,720	1,756	716	3,852	4,072	5,720	1,143
1982	989	774	705	774	5,949	984	448	574	717	757	845	839
1983	848	2,317	3,192	889	2,834	1,099	997	731	775	508	741	714
1984	765	531	337	408	441	566	603	461	460	1,914	794	1,276
1985	2,064	2,173	2,230	1,429	609	1,570	1,044	464	628	1,786	4,793	2,016
1986	1,054	1,213	844	340	2,975	4,706	773	514	1,188	3,820	2,591	11,164
1987	3,920	5,342	4,741	1,303	4,106	27,091	3,791	1,383	1,023	702	1,418	1,277
1988	828	801	1,185	548	943	800	1,263	850	499	434	451	408
1989	959	739	326	590	1,720	1,203	640	794	432	480	485	376
1990	372	459	447	1,189	831	735	1,250	665	1,715	516	619	470
1991	5,415	2,344	694	5,199	1,916	1,619	787	565	744	970	513	24,450
1992	11,144	34,915	17,230	6,259	11,020	10,780	1,502	1,021	1,040	867	1,290	1,344
1993	2,519	3,106	2,626	2,786	4,200	6,300	857	851	677	1,095	714	585
1994	521	673	484	496	2,053	1,896	805	471	820	7,779	1,619	2,933
1995	2,358	876	3,174	2,546	3,634	5,590	1,145	490	491	517	554	774
1996	467	476	382	273	330	1,039	431	658	1,239	404	615	869
1997	1,513	4,000	12,285	8,143	5,200	22,082	6,331	1,283	521	2,949	1,628	2,141
1998	1,943	3,770	6,343	2,255	833	711	392	953	1,380	13,435	10,466	2,876
1999	1,746	914	1,594	1,714	2,095	1,951	1,093	488	321	305	422	399
2000	475	556	375	284	662	1,221	423	519	324	593	5,046	2,116
2001	4,065	3,202	6,305	2,304	2,088	628	604	834	2,152	1,998	4,309	4,403
2002	1,845	1,046	944	1,218	1,216	1,032	17,139	780	810	2,111	8,089	6,468
2003	3,749	7,502	4,567	1,138	436	987	499	646	856	676	804	532
2004	1,329	2,487	1,211	2,098	2,651	10,289	2,786	1,932	690	871	21,315	5,905
2005	2,278	6,165	7,073	2,569	2,109	884	870	799	678	533	650	513
2006	460	454	409	462	802	1,145	318	205	493	610	623	744
2007	3,972	928	3,758	2,475	5,398	17,190	15,674	5,406	2,976	1,134	2,712	1,159
2008	942	995	751	324	692	772	464	649	362	318	519	421
2009	398	401	401	2,053	450	644	470	127	453	3,085	1,517	1,725
2010	1,951	4,459	1,306	1,865	1,587	1,053	1,154	318	1,641	429	452	462
2011	434	433	290	270	357	999	556	453	341	187	331	440
2012	2,271	2,898	4,153	614	1,221	418	680	110	255	331	404	349
2013	543	394	363	568	590	194	180	107	188	2,619	3,301	815
2014	646	513	767	269	2,771	960	303	113	525	256	1,047	774
2015	2,051	877	4,048	2,907	13,063	6,734	1,282	391	407	3,063	6,790	3,271
2016	1,565	1,151	2,487	10,473	13,519	15,493	1,647	3,299	1,664	875	1,151	2,349

Criteria	315	303	204	270	304	371	212	107	188	147	173	202
# of months below criteria	0	0	0	1	0	1	1	0	0	0	0	0

Total flow at Wharton gage (average monthly flow in cfs)

Model Version for October 4, 2018

09/24/2018 Operational bay criteria need limited only to storable inflow supply before limitations

02:24 PM

	OP604	OP603	OP602	OP601	THRESHOLD									
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	
1940	0	0	0	0	0	0	0	0	0	2,357	0	0	2,357	
1941	0	0	0	0	0	0	0	0	826	0	0	0	826	
1942	5,632	0	0	0	0	0	0	0	0	0	0	0	5,632	
1943	0	0	1,244	0	0	56,494	0	0	0	1,586	3,816	12,506	75,645	
1944	0	0	0	0	0	0	0	73,496	0	32,789	0	0	106,285	
1945	0	0	0	0	0	0	0	0	11,824	25,820	0	0	37,644	
1946	0	0	0	0	0	0	0	0	0	0	0	0	0	
1947	0	0	24,528	0	0	0	0	0	0	0	0	6,872	31,400	
1948	0	3,720	5,454	6,009	14,375	56,876	0	0	0	0	0	0	86,435	
1949	0	0	0	0	0	0	0	0	0	0	0	0	0	
1950	0	0	0	0	0	0	0	0	0	0	3,018	0	3,018	
1951	0	0	441	0	39,377	18,985	0	0	0	0	0	0	58,803	
1952	0	0	0	0	0	0	0	0	0	0	28,057	0	28,057	
1953	0	0	15,235	0	0	0	0	0	0	16,701	0	0	31,936	
1954	0	0	0	81,724	61,872	0	0	0	0	0	6,603	0	150,199	
1955	4,098	902	0	0	46,423	36,921	33,924	15,062	37,094	12,906	0	0	187,331	
1956	0	4,031	0	0	138,346	0	0	0	0	0	0	0	142,377	
1957	0	2,770	19,923	0	0	0	0	0	0	0	0	0	22,693	
1958	0	0	0	0	0	0	0	0	60,091	2,452	0	0	62,543	
1959	0	0	0	0	0	0	0	0	0	0	0	0	0	
1960	0	0	0	0	0	0	0	5,298	0	0	0	0	5,298	
1961	0	0	0	0	0	0	0	0	0	0	0	0	0	
1962	0	0	0	0	0	0	0	0	0	47,999	3,972	7,667	59,638	
1963	2,064	663	0	0	16,908	0	0	0	0	0	8,177	0	27,812	
1964	1,908	3,092	34,585	15,661	0	0	0	0	15,374	4,019	20,405	22,058	117,102	
1965	0	0	0	7,700	0	0	0	0	21,489	1,753	0	0	30,942	
1966	0	0	0	22,113	0	0	0	6,125	80,876	0	6,692	5,487	121,292	
1967	422	4,043	0	0	0	0	0	0	22,534	0	0	0	26,999	
1968	0	0	0	0	0	0	0	0	0	0	0	0	0	
1969	0	0	0	0	0	0	0	0	1,325	0	0	0	1,325	
1970	0	0	0	0	0	0	0	0	0	0	0	0	0	
1971	5,857	3,857	0	0	0	0	50,000	22,349	0	0	0	0	82,063	
1972	0	0	0	0	0	0	0	0	0	3,304	0	0	3,304	
1973	0	0	0	0	0	0	0	31,566	0	0	0	0	31,566	
1974	0	0	0	0	0	0	0	0	0	0	0	0	0	
1975	0	0	0	0	0	0	0	0	0	7,838	0	0	7,838	
1976	0	0	3,763	0	0	0	0	0	32,107	0	0	0	35,869	
1977	0	0	0	0	0	0	0	0	0	0	12,426	12,345	24,771	
1978	784	0	4,296	0	0	0	0	51,235	0	0	1,163	0	57,478	
1979	0	0	0	0	0	0	0	0	0	0	0	0	0	
1980	0	0	0	0	0	0	0	0	85,974	1,026	13,317	20,402	120,719	
1981	9,775	7,034	84,925	66,089	38,322	0	0	1,695	0	0	0	0	207,839	
1982	0	0	19,813	0	0	0	0	0	0	0	3,526	0	23,340	
1983	0	0	0	0	0	0	0	0	0	0	0	0	0	
1984	0	0	4,618	0	0	0	0	0	0	0	0	0	4,618	
1985	0	0	0	0	0	0	0	0	0	72,790	0	0	72,790	
1986	0	0	0	0	1,859	0	0	0	57,265	0	0	0	59,124	
1987	0	0	0	0	0	0	0	0	16,601	17,523	0	0	34,124	
1988	0	0	0	0	0	0	83,669	0	0	0	0	6,152	89,821	
1989	4,971	0	16,676	0	83,314	17,643	0	0	0	0	3,814	7,031	133,449	
1990	5,445	11,551	47,184	56,285	25,715	0	78,568	11,065	75,935	6,460	11,531	1,313	331,052	
1991	0	0	0	0	0	0	0	0	74,659	43,882	6,828	0	125,368	
1992	0	0	0	0	0	0	0	0	32,853	41,634	0	0	74,487	
1993	0	0	0	0	0	0	0	0	346	10,385	0	0	10,731	
1994	10,245	8,291	26,757	1,062	46,307	0	0	0	15,281	0	0	0	107,943	
1995	0	0	0	0	0	0	0	0	0	0	19,525	0	19,525	
1996	0	4,878	0	0	0	0	0	14,988	0	7,887	25,456	0	53,208	
1997	0	0	0	0	0	0	0	0	0	0	0	0	0	
1998	0	0	0	0	0	0	0	36,892	0	0	0	0	36,892	
1999	0	0	20,436	0	0	0	0	0	0	0	0	0	20,436	
2000	0	12,139	0	0	0	35,573	0	0	0	58,410	0	0	106,121	
2001	0	0	0	0	0	0	0	0	0	0	0	0	0	
2002	0	0	0	0	0	0	0	0	0	0	0	0	0	
2003	0	0	0	0	0	0	0	0	14,665	64,915	0	0	79,580	
2004	0	0	0	0	0	0	0	0	0	22,903	0	0	22,903	
2005	0	0	0	0	0	0	0	60,001	0	0	0	819	60,820	
2006	4,798	1,725	0	363	31,149	0	0	0	0	153	0	0	38,189	
2007	0	0	0	0	0	0	0	0	0	0	0	0	0	
2008	0	285	4,594	0	0	0	0	0	0	0	0	0	4,879	
2009	0	489	633	37,788	0	0	0	0	1,796	0	0	0	40,707	
2010	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011	0	0	0	0	0	0	0	0	0	0	0	0	0	
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	
2013	0	0	0	0	0	0	0	0	0	0	0	0	0	
2014	0	0	0	0	0	0	0	0	0	0	0	0	0	
2015	0	0	0	0	0	0	0	0	0	0	0	0	0	
2016	0	0	0	0	0	0	0	0	0	0	0	0	0	
AVG	727	902	4,352	3,828	7,065	2,890	3,197	4,283	8,557	6,591	2,316	1,333	46,041	
MAX	10,245	12,139	84,925	81,724	138,346	56,876	83,669	73,496	85,974	72,790	28,057	22,058	331,052	
MIN	0	0	0	0	0	0	0	0	0	0	0	0	0	

Operational bay criteria need limited only to storable inflow supply before limitations

Model Version for October 4, 2018

09/24/2018 Theroretical bay operational release without 25K 50% rule

02:24 PM

	OP604	OP603	OP602	OP601	THRESHOLD								
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1940	0	0	0	0	0	0	0	0	0	2,357	0	0	2,357
1941	0	0	0	0	0	0	0	0	826	0	0	0	826
1942	5,632	0	0	0	0	0	0	0	0	0	0	0	5,632
1943	0	0	1,244	0	0	56,494	0	0	0	1,586	3,816	12,506	75,645
1944	0	0	0	0	0	0	0	73,496	0	32,789	0	0	106,285
1945	0	0	0	0	0	0	0	0	11,824	25,820	0	0	37,644
1946	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	0	0	24,528	0	0	0	0	0	0	0	0	6,872	31,400
1948	0	3,720	5,454	6,009	14,375	56,876	0	0	0	0	0	0	86,435
1949	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	0	0	15,235	0	0	0	0	0	0	16,701	0	0	31,936
1954	0	0	0	44,295	35,951	0	0	0	0	0	6,603	0	86,850
1955	4,098	902	0	0	0	0	20,844	14,656	37,094	12,316	0	0	89,910
1956	0	2,015	0	0	78,097	0	0	0	0	0	0	0	80,113
1957	0	2,770	0	0	0	0	0	0	0	0	0	0	2,770
1958	0	0	0	0	0	0	0	0	60,091	2,452	0	0	62,543
1959	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	0	0	0	0	0	0	0	5,298	0	0	0	0	5,298
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	47,999	3,972	7,667	59,638
1963	2,064	663	0	0	8,897	0	0	0	0	0	8,177	0	19,801
1964	1,908	3,092	0	0	0	0	0	0	0	0	0	0	5,000
1965	0	0	0	7,700	0	0	0	0	21,489	1,753	0	0	30,942
1966	0	0	0	22,113	0	0	0	6,125	80,876	0	6,692	5,487	121,292
1967	422	4,043	0	0	0	0	0	0	22,534	0	0	0	26,999
1968	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0	1,325	0	0	0	1,325
1970	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	5,857	3,857	0	0	0	0	27,651	22,349	0	0	0	0	59,713
1972	0	0	0	0	0	0	0	0	0	3,304	0	0	3,304
1973	0	0	0	0	0	0	0	31,566	0	0	0	0	31,566
1974	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	7,838	0	0	7,838
1976	0	0	3,763	0	0	0	0	0	32,107	0	0	0	35,869
1977	0	0	0	0	0	0	0	0	0	0	12,426	12,345	24,771
1978	784	0	4,296	0	0	0	0	51,235	0	0	1,163	0	57,478
1979	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	85,974	1,026	13,317	20,402	120,719
1981	9,775	7,034	84,925	66,089	38,322	0	0	1,695	0	0	0	0	207,839
1982	0	0	19,813	0	0	0	0	0	0	0	3,526	0	23,340
1983	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	2,309	0	0	0	0	0	0	0	0	0	2,309
1985	0	0	0	0	0	0	0	0	0	72,790	0	0	72,790
1986	0	0	0	0	1,859	0	0	0	57,265	0	0	0	59,124
1987	0	0	0	0	0	0	0	0	16,601	17,523	0	0	34,124
1988	0	0	0	0	0	0	83,669	0	0	0	0	6,152	89,821
1989	4,971	0	16,676	0	83,314	17,643	0	0	0	0	3,814	7,031	133,449
1990	5,445	11,551	25,715	56,285	25,715	0	78,568	11,065	75,935	6,460	11,531	1,313	309,583
1991	0	0	0	0	0	0	0	0	74,659	43,882	6,828	0	125,368
1992	0	0	0	0	0	0	0	0	32,853	41,634	0	0	74,487
1993	0	0	0	0	0	0	0	0	346	10,385	0	0	10,731
1994	10,245	8,291	26,757	1,062	46,307	0	0	0	15,281	0	0	0	107,943
1995	0	0	0	0	0	0	0	0	0	0	19,525	0	19,525
1996	0	4,878	0	0	0	0	0	14,988	0	7,887	25,456	0	53,208
1997	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	36,892	0	0	0	0	36,892
1999	0	0	20,436	0	0	0	0	0	0	0	0	0	20,436
2000	0	12,139	0	0	0	17,787	0	0	0	10,750	0	0	40,675
2001	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	0	14,665	64,915	0	0	79,580
2004	0	0	0	0	0	0	0	0	0	22,903	0	0	22,903
2005	0	0	0	0	0	0	0	60,001	0	0	0	819	60,820
2006	4,798	1,725	0	363	31,149	0	0	0	0	153	0	0	38,189
2007	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	0	143	4,594	0	0	0	0	0	0	0	0	0	4,736
2009	0	489	633	22,215	0	0	0	0	0	0	0	0	23,338
2010	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
AVG	727	874	3,330	2,937	4,727	1,932	2,737	4,277	8,334	5,912	1,647	1,047	38,482
MAX	10,245	12,139	84,925	66,089	83,314	56,876	83,669	73,496	85,974	72,790	25,456	20,402	309,583
MIN	0	0	0	0	0	0	0	0	0	0	0	0	0

Theroretical bay operational release without 25K 50% rule

Model Version for October 4, 2018

09/24/2018 Actual bay operational release with 25K 50% rule

02:24 PM

	OP604		OP603		OP602		OP601		THRESHOLD				
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1940	0	0	0	0	0	0	0	0	2,357	0	0	0	2,357
1941	0	0	0	0	0	0	0	826	0	0	0	0	826
1942	5,632	0	0	0	0	0	0	0	0	0	0	0	5,632
1943	0	0	1,244	0	0	28,247	0	0	1,586	3,816	12,505	0	47,398
1944	0	0	0	0	0	0	0	59,036	0	22,899	0	0	81,935
1945	0	0	0	0	0	0	0	11,824	22,599	0	0	0	34,423
1946	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	0	0	15,192	0	0	0	0	0	0	0	0	6,872	22,064
1948	0	3,720	5,454	6,009	14,375	56,601	0	0	0	0	0	0	86,159
1949	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	0	0	10,661	0	0	0	0	0	0	16,701	0	0	27,362
1954	0	0	0	44,295	35,951	0	0	0	0	0	6,603	0	86,850
1955	4,098	902	0	0	0	0	20,844	12,906	37,094	12,316	0	0	88,160
1956	0	2,015	0	0	78,097	0	0	0	0	0	0	0	80,113
1957	0	2,770	0	0	0	0	0	0	0	0	0	0	2,770
1958	0	0	0	0	0	0	0	31,731	2,452	0	0	0	34,183
1959	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	0	0	0	0	0	0	5,298	0	0	0	0	0	5,298
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	31,888	3,972	7,667	0	43,527
1963	2,064	663	0	0	8,897	0	0	0	0	0	8,177	0	19,801
1964	1,908	3,092	0	0	0	0	0	0	0	0	0	0	5,000
1965	0	0	0	3,850	0	0	0	19,157	1,753	0	0	0	24,760
1966	0	0	0	22,113	0	0	0	6,124	51,788	0	6,692	5,487	92,204
1967	422	4,043	0	0	0	0	0	20,049	0	0	0	0	24,515
1968	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	1,325	0	0	0	0	1,325
1970	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	5,857	3,857	0	0	0	0	27,651	22,349	0	0	0	0	59,713
1972	0	0	0	0	0	0	0	0	3,304	0	0	0	3,304
1973	0	0	0	0	0	0	0	28,283	0	0	0	0	28,283
1974	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	7,838	0	0	0	7,838
1976	0	0	3,762	0	0	0	0	22,938	0	0	0	0	26,700
1977	0	0	0	0	0	0	0	0	0	12,426	12,345	0	24,771
1978	784	0	4,296	0	0	0	0	51,235	0	0	1,163	0	57,479
1979	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	85,974	1,026	13,317	18,780	0	119,097
1981	9,775	7,034	50,800	38,983	38,322	0	0	1,694	0	0	0	0	146,608
1982	0	0	12,914	0	0	0	0	0	0	0	3,526	0	16,440
1983	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	2,309	0	0	0	0	0	0	0	0	0	2,309
1985	0	0	0	0	0	0	0	0	72,790	0	0	0	72,790
1986	0	0	0	0	1,859	0	0	0	35,992	0	0	0	37,852
1987	0	0	0	0	0	0	0	15,041	15,410	0	0	0	30,451
1988	0	0	0	0	0	0	60,005	0	0	0	0	6,152	66,156
1989	4,971	0	16,676	0	65,670	17,643	0	0	0	3,814	7,031	0	115,806
1990	5,445	11,551	25,715	56,285	25,715	0	43,853	11,065	68,634	6,460	11,531	1,313	267,568
1991	0	0	0	0	0	0	0	43,118	36,696	6,828	0	0	86,642
1992	0	0	0	0	0	0	0	23,054	27,595	0	0	0	50,648
1993	0	0	0	0	0	0	0	346	10,385	0	0	0	10,731
1994	10,245	8,291	21,686	1,062	46,307	0	0	14,368	0	0	0	0	101,958
1995	0	0	0	0	0	0	0	0	0	19,525	0	0	19,525
1996	0	4,878	0	0	0	0	0	14,988	0	7,887	25,456	0	53,208
1997	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	27,558	0	0	0	0	27,558
1999	0	0	20,436	0	0	0	0	0	0	0	0	0	20,436
2000	0	12,139	0	0	0	17,787	0	0	0	10,750	0	0	40,675
2001	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	9,630	38,231	0	0	0	47,861
2004	0	0	0	0	0	0	0	0	18,550	0	0	0	18,550
2005	0	0	0	0	0	0	0	37,564	0	0	0	819	38,383
2006	4,798	1,725	0	363	26,108	0	0	0	153	0	0	0	33,148
2007	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	0	143	4,593	0	0	0	0	0	0	0	0	0	4,736
2009	0	489	633	22,215	0	0	0	0	0	0	0	0	23,338
2010	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
AVG	727	874	2,550	2,535	4,432	1,562	1,979	3,612	6,401	4,826	1,647	1,026	32,172
MAX	10,245	12,139	50,800	56,285	78,097	56,601	60,005	59,036	85,974	72,790	25,456	18,780	267,568
MIN	0	0	0	0	0	0	0	0	0	0	0	0	0

Actual bay operational release with 25K 50% rule

Model Version for October 4, 2018

09/24/2018 Reduction in bay operational support due to implementation of 25K 50% rule

02:24 PM

	OP604		OP603		OP602		OP601		THRESHOLD				
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1940	0	0	0	0	0	0	0	0	0	0	0	0	0
1941	0	0	0	0	0	0	0	0	0	0	0	0	0
1942	0	0	0	0	0	0	0	0	0	0	0	0	0
1943	0	0	0	0	0	28,247	0	0	0	0	0	0	28,247
1944	0	0	0	0	0	0	0	14,461	0	9,890	0	0	24,350
1945	0	0	0	0	0	0	0	0	0	3,221	0	0	3,221
1946	0	0	0	0	0	0	0	0	0	0	0	0	0
1947	0	0	9,336	0	0	0	0	0	0	0	0	0	9,336
1948	0	0	0	0	0	276	0	0	0	0	0	0	276
1949	0	0	0	0	0	0	0	0	0	0	0	0	0
1950	0	0	0	0	0	0	0	0	0	0	0	0	0
1951	0	0	0	0	0	0	0	0	0	0	0	0	0
1952	0	0	0	0	0	0	0	0	0	0	0	0	0
1953	0	0	4,574	0	0	0	0	0	0	0	0	0	4,574
1954	0	0	0	0	0	0	0	0	0	0	0	0	0
1955	0	0	0	0	0	0	0	1,750	0	0	0	0	1,750
1956	0	0	0	0	0	0	0	0	0	0	0	0	0
1957	0	0	0	0	0	0	0	0	0	0	0	0	0
1958	0	0	0	0	0	0	0	0	28,360	0	0	0	28,360
1959	0	0	0	0	0	0	0	0	0	0	0	0	0
1960	0	0	0	0	0	0	0	0	0	0	0	0	0
1961	0	0	0	0	0	0	0	0	0	0	0	0	0
1962	0	0	0	0	0	0	0	0	0	16,111	0	0	16,111
1963	0	0	0	0	0	0	0	0	0	0	0	0	0
1964	0	0	0	0	0	0	0	0	0	0	0	0	0
1965	0	0	0	3,850	0	0	0	0	2,331	0	0	0	6,182
1966	0	0	0	0	0	0	0	0	29,088	0	0	0	29,088
1967	0	0	0	0	0	0	0	0	2,484	0	0	0	2,484
1968	0	0	0	0	0	0	0	0	0	0	0	0	0
1969	0	0	0	0	0	0	0	0	0	0	0	0	0
1970	0	0	0	0	0	0	0	0	0	0	0	0	0
1971	0	0	0	0	0	0	0	0	0	0	0	0	0
1972	0	0	0	0	0	0	0	0	0	0	0	0	0
1973	0	0	0	0	0	0	0	3,283	0	0	0	0	3,283
1974	0	0	0	0	0	0	0	0	0	0	0	0	0
1975	0	0	0	0	0	0	0	0	0	0	0	0	0
1976	0	0	0	0	0	0	0	0	9,169	0	0	0	9,169
1977	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	1,622	1,622
1981	0	0	34,125	27,105	0	0	0	0	0	0	0	0	61,231
1982	0	0	6,900	0	0	0	0	0	0	0	0	0	6,900
1983	0	0	0	0	0	0	0	0	0	0	0	0	0
1984	0	0	0	0	0	0	0	0	0	0	0	0	0
1985	0	0	0	0	0	0	0	0	0	0	0	0	0
1986	0	0	0	0	0	0	0	0	21,272	0	0	0	21,272
1987	0	0	0	0	0	0	0	0	1,560	2,113	0	0	3,673
1988	0	0	0	0	0	0	23,664	0	0	0	0	0	23,664
1989	0	0	0	0	17,643	0	0	0	0	0	0	0	17,643
1990	0	0	0	0	0	0	34,715	0	7,301	0	0	0	42,016
1991	0	0	0	0	0	0	0	0	31,541	7,186	0	0	38,727
1992	0	0	0	0	0	0	0	0	9,799	14,040	0	0	23,839
1993	0	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	5,071	0	0	0	0	0	913	0	0	0	5,984
1995	0	0	0	0	0	0	0	0	0	0	0	0	0
1996	0	0	0	0	0	0	0	0	0	0	0	0	0
1997	0	0	0	0	0	0	0	0	0	0	0	0	0
1998	0	0	0	0	0	0	0	9,333	0	0	0	0	9,333
1999	0	0	0	0	0	0	0	0	0	0	0	0	0
2000	0	0	0	0	0	0	0	0	0	0	0	0	0
2001	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	0	5,034	26,685	0	0	31,719
2004	0	0	0	0	0	0	0	0	0	4,353	0	0	4,353
2005	0	0	0	0	0	0	0	22,437	0	0	0	0	22,437
2006	0	0	0	0	5,041	0	0	0	0	0	0	0	5,041
2007	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0	0	0	0	0	0
AVG	0	0	779	402	295	370	758	666	1,933	1,086	0	21	6,310
MAX	0	0	34,125	27,105	17,643	28,247	34,715	22,437	31,541	26,685	0	1,622	61,231
MIN	0	0	0	0	0	0	0	0	0	0	0	0	0

Reduction in bay operational support due to implementation of 25K 50% rule