

Segment ID: 1408 **Water body name:** Lake Buchanan

Reservoir Colorado River Basin Total size: 23,060 Acres

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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Aquatic Life Use

2002	Dissolved Oxygen grab average	No Concern	Garret Island area	6,000	31	0	
2002	Dissolved Oxygen grab average	No Concern	Headwaters	1,060	35	1	
2002	Dissolved Oxygen grab average	No Concern	Main pool near dam	7,000	35	2	
2002	Dissolved Oxygen grab average	No Concern	Paradise Point	2,000	35	0	
2002	Dissolved Oxygen grab average	No Concern	Rocky Point area	7,000	32	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Garret Island area	6,000	31	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Headwaters	1,060	35	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Main pool near dam	7,000	35	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Paradise Point	2,000	35	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Rocky Point area	7,000	32	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	Garret Island area	6,000	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Headwaters	1,060	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Main pool near dam	7,000	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Paradise Point	2,000	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Rocky Point area	7,000	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Garret Island area	6,000	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Headwaters	1,060	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Main pool near dam	7,000	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Paradise Point	2,000	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Rocky Point area	7,000	0		
2002	Acute Metals in water	Not Assessed	Main pool near dam	7,000	2		
2002	Chronic Metals in water	Not Assessed	Main pool near dam	7,000	2		
2002	Overall Aquatic Life Use	Fully Supporting	Garret Island area	6,000			

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Aquatic Life Use (continued)

2002	Overall Aquatic Life Use	Fully Supporting	Headwaters	1,060			
2002	Overall Aquatic Life Use	Fully Supporting	Main pool near dam	7,000			
2002	Overall Aquatic Life Use	Fully Supporting	Paradise Point	2,000			
2002	Overall Aquatic Life Use	Fully Supporting	Rocky Point area	7,000			

Contact Recreation Use

2002	E. coli single sample	Fully Supporting	Headwaters	1,060	26	0	
2002	E. coli single sample	Fully Supporting	Main pool near dam	7,000	24	0	
2002	E. coli single sample	Fully Supporting	Paradise Point	2,000	24	0	
2002	E. coli single sample	Fully Supporting	Rocky Point area	7,000	24	0	
2002	E. coli geometric mean	Fully Supporting	Headwaters	1,060	26		2
2002	E. coli geometric mean	Fully Supporting	Main pool near dam	7,000	24		1
2002	E. coli geometric mean	Fully Supporting	Paradise Point	2,000	24		1
2002	E. coli geometric mean	Fully Supporting	Rocky Point area	7,000	24		1
2002	Fecal coliform single sample	Fully Supporting	Headwaters	1,060	26	0	
2002	Fecal coliform single sample	Fully Supporting	Main pool near dam	7,000	24	0	
2002	Fecal coliform single sample	Fully Supporting	Paradise Point	2,000	24	0	
2002	Fecal coliform single sample	Fully Supporting	Rocky Point area	7,000	24	0	
2002	Fecal coliform geometric mean	Fully Supporting	Headwaters	1,060	26		5
2002	Fecal coliform geometric mean	Fully Supporting	Main pool near dam	7,000	24		1
2002	Fecal coliform geometric mean	Fully Supporting	Paradise Point	2,000	24		1
2002	Fecal coliform geometric mean	Fully Supporting	Rocky Point area	7,000	24		1
2002	Overall Recreation Use	Not Assessed	Garret Island area	6,000			
2002	Overall Recreation Use	Fully Supporting	Headwaters	1,060			

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Contact Recreation Use (continued)

2002	Overall Recreation Use	Fully Supporting	Main pool near dam	7,000			
2002	Overall Recreation Use	Fully Supporting	Paradise Point	2,000			
2002	Overall Recreation Use	Fully Supporting	Rocky Point area	7,000			

General Use

2002	Water Temperature	Fully Supporting	Garret Island area	6,000	31	0	
2002	Water Temperature	Fully Supporting	Headwaters	1,060	35	1	
2002	Water Temperature	Fully Supporting	Main pool near dam	7,000	35	0	
2002	Water Temperature	Fully Supporting	Paradise Point	2,000	35	0	
2002	Water Temperature	Fully Supporting	Rocky Point area	7,000	32	0	
2002	pH	Fully Supporting	Garret Island area	6,000	31	0	
2002	pH	Fully Supporting	Headwaters	1,060	35	0	
2002	pH	Fully Supporting	Main pool near dam	7,000	35	0	
2002	pH	Fully Supporting	Paradise Point	2,000	35	0	
2002	pH	Fully Supporting	Rocky Point area	7,000	32	0	
2002	Chloride	Fully Supporting	Garret Island area	6,000	93		96
2002	Chloride	Fully Supporting	Headwaters	1,060	93		96
2002	Chloride	Fully Supporting	Main pool near dam	7,000	93		96
2002	Chloride	Fully Supporting	Paradise Point	2,000	93		96
2002	Chloride	Fully Supporting	Rocky Point area	7,000	93		96
2002	Sulfate	Fully Supporting	Garret Island area	6,000	108		60
2002	Sulfate	Fully Supporting	Headwaters	1,060	108		60
2002	Sulfate	Fully Supporting	Main pool near dam	7,000	108		60
2002	Sulfate	Fully Supporting	Paradise Point	2,000	108		60
2002	Sulfate	Fully Supporting	Rocky Point area	7,000	108		60

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General Use (continued)

2002	Total Dissolved Solids	Fully Supporting	Garret Island area	6,000	171		473
2002	Total Dissolved Solids	Fully Supporting	Headwaters	1,060	171		473
2002	Total Dissolved Solids	Fully Supporting	Main pool near dam	7,000	171		473
2002	Total Dissolved Solids	Fully Supporting	Paradise Point	2,000	171		473
2002	Total Dissolved Solids	Fully Supporting	Rocky Point area	7,000	171		473
2002	Overall General Use	Fully Supporting	Garret Island area	6,000			
2002	Overall General Use	Fully Supporting	Headwaters	1,060			
2002	Overall General Use	Fully Supporting	Main pool near dam	7,000			
2002	Overall General Use	Fully Supporting	Paradise Point	2,000			
2002	Overall General Use	Fully Supporting	Rocky Point area	7,000			

Fish Consumption Use

2002	Human Health Criteria	Not Assessed	Garret Island area	6,000	2		
2002	Human Health Criteria	Not Assessed	Headwaters	1,060	2		
2002	Human Health Criteria	Not Assessed	Main pool near dam	7,000	2		
2002	Human Health Criteria	Not Assessed	Paradise Point	2,000	2		
2002	Human Health Criteria	Not Assessed	Rocky Point area	7,000	2		
2002	Overall Fish Consumption Use	Not Assessed	Garret Island area	6,000			
2002	Overall Fish Consumption Use	Not Assessed	Headwaters	1,060			
2002	Overall Fish Consumption Use	Not Assessed	Main pool near dam	7,000			
2002	Overall Fish Consumption Use	Not Assessed	Paradise Point	2,000			
2002	Overall Fish Consumption Use	Not Assessed	Rocky Point area	7,000			

Public Water Supply Use

2002	Overall Public Water Supply Use	Fully Supporting	Garret Island area	6,000			
2002	Overall Public Water Supply Use	Fully Supporting	Headwaters	1,060			

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Public Water Supply Use (continued)

2002	Overall Public Water Supply Use	Fully Supporting	Main pool near dam	7,000			
2002	Overall Public Water Supply Use	Fully Supporting	Paradise Point	2,000			
2002	Overall Public Water Supply Use	Fully Supporting	Rocky Point area	7,000			

Overall Use Support

2002		Fully Supporting	Garret Island area	6,000			
2002		Fully Supporting	Headwaters	1,060			
2002		Fully Supporting	Main pool near dam	7,000			
2002		Fully Supporting	Paradise Point	2,000			
2002		Fully Supporting	Rocky Point area	7,000			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	No Concern	Headwaters	1,060	23	2	
2002	Ammonia Nitrogen	No Concern	Main pool near dam	7,000	25	2	
2002	Ammonia Nitrogen	No Concern	Paradise Point	2,000	25	5	
2002	Ammonia Nitrogen	No Concern	Rocky Point area	7,000	25	4	
2002	Nitrite + Nitrate Nitrogen	No Concern	Headwaters	1,060	26	4	
2002	Nitrite + Nitrate Nitrogen	No Concern	Main pool near dam	7,000	28	3	
2002	Nitrite + Nitrate Nitrogen	No Concern	Paradise Point	2,000	27	3	
2002	Nitrite + Nitrate Nitrogen	No Concern	Rocky Point area	7,000	27	3	
2002	Orthophosphorus	No Concern	Headwaters	1,060	26	0	
2002	Orthophosphorus	No Concern	Main pool near dam	7,000	28	1	
2002	Orthophosphorus	No Concern	Paradise Point	2,000	27	0	
2002	Orthophosphorus	No Concern	Rocky Point area	7,000	27	0	
2002	Total Phosphorus	No Concern	Headwaters	1,060	24	4	

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Nutrient Enrichment Concern (continued)

2002	Total Phosphorus	No Concern	Main pool near dam	7,000	23	2	
2002	Total Phosphorus	No Concern	Paradise Point	2,000	23	2	
2002	Total Phosphorus	No Concern	Rocky Point area	7,000	23	3	
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Garret Island area	6,000			
2002	Overall Nutrient Enrichment Concerns	No Concern	Headwaters	1,060			
2002	Overall Nutrient Enrichment Concerns	No Concern	Main pool near dam	7,000			
2002	Overall Nutrient Enrichment Concerns	No Concern	Paradise Point	2,000			
2002	Overall Nutrient Enrichment Concerns	No Concern	Rocky Point area	7,000			

Algal Growth Concern

2002	Chlorophyll a	Not Assessed	Garret Island area	6,000			
2002	Chlorophyll a	Concern	Headwaters	1,060	24	11	
2002	Chlorophyll a	No Concern	Main pool near dam	7,000	24	1	
2002	Chlorophyll a	No Concern	Paradise Point	2,000	24	3	
2002	Chlorophyll a	No Concern	Rocky Point area	7,000	24	1	

Sediment Contaminants Concern

2002	Overall Sediment Contaminant Concerns	Not Assessed	Garret Island area	6,000			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Headwaters	1,060			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Main pool near dam	7,000			

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Sediment Contaminants Concern (continued)

2002	Overall Sediment Contaminant Concerns	Not Assessed	Paradise Point	2,000			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Rocky Point area	7,000			

Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Garret Island area	6,000			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Headwaters	1,060			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Main pool near dam	7,000			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Paradise Point	2,000			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Rocky Point area	7,000			

Public Water Supply Concern

2002	Finished Water: Chloride	No Concern	Garret Island area	6,000			
2002	Finished Water: Chloride	No Concern	Headwaters	1,060			
2002	Finished Water: Chloride	No Concern	Main pool near dam	7,000			
2002	Finished Water: Chloride	No Concern	Paradise Point	2,000			
2002	Finished Water: Chloride	No Concern	Rocky Point area	7,000			
2002	Finished Water: Sulfate	No Concern	Garret Island area	6,000			
2002	Finished Water: Sulfate	No Concern	Headwaters	1,060			
2002	Finished Water: Sulfate	No Concern	Main pool near dam	7,000			
2002	Finished Water: Sulfate	No Concern	Paradise Point	2,000			
2002	Finished Water: Sulfate	No Concern	Rocky Point area	7,000			

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Public Water Supply Concern (continued)

2002	Finished Water: Total Dissolved Solids	No Concern	Garret Island area	6,000			
2002	Finished Water: Total Dissolved Solids	No Concern	Headwaters	1,060			
2002	Finished Water: Total Dissolved Solids	No Concern	Main pool near dam	7,000			
2002	Finished Water: Total Dissolved Solids	No Concern	Paradise Point	2,000			
2002	Finished Water: Total Dissolved Solids	No Concern	Rocky Point area	7,000			
2002	Finished Water: MTBE	No Concern	Garret Island area	6,000			
2002	Finished Water: MTBE	No Concern	Headwaters	1,060			
2002	Finished Water: MTBE	No Concern	Main pool near dam	7,000			
2002	Finished Water: MTBE	No Concern	Paradise Point	2,000			
2002	Finished Water: MTBE	No Concern	Rocky Point area	7,000			
2002	Finished Water: Perchlorate	Not Assessed	Garret Island area	6,000			
2002	Finished Water: Perchlorate	Not Assessed	Headwaters	1,060			
2002	Finished Water: Perchlorate	Not Assessed	Main pool near dam	7,000			
2002	Finished Water: Perchlorate	Not Assessed	Paradise Point	2,000			
2002	Finished Water: Perchlorate	Not Assessed	Rocky Point area	7,000			
2002	Finished Water: Overall	No Concern	Garret Island area	6,000			
2002	Finished Water: Overall	No Concern	Headwaters	1,060			
2002	Finished Water: Overall	No Concern	Main pool near dam	7,000			
2002	Finished Water: Overall	No Concern	Paradise Point	2,000			
2002	Finished Water: Overall	No Concern	Rocky Point area	7,000			
2002	Surface Water: Chloride	No Concern	Garret Island area	6,000	93		96

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Public Water Supply Concern (continued)

2002	Surface Water: Chloride	No Concern	Headwaters	1,060	93		96
2002	Surface Water: Chloride	No Concern	Main pool near dam	7,000	93		96
2002	Surface Water: Chloride	No Concern	Paradise Point	2,000	93		96
2002	Surface Water: Chloride	No Concern	Rocky Point area	7,000	93		96
2002	Surface Water: Sulfate	No Concern	Garret Island area	6,000	108		60
2002	Surface Water: Sulfate	No Concern	Headwaters	1,060	108		60
2002	Surface Water: Sulfate	No Concern	Main pool near dam	7,000	108		60
2002	Surface Water: Sulfate	No Concern	Paradise Point	2,000	108		60
2002	Surface Water: Sulfate	No Concern	Rocky Point area	7,000	108		60
2002	Surface Water: Total Dissolved Solids	No Concern	Garret Island area	6,000	171		473
2002	Surface Water: Total Dissolved Solids	No Concern	Headwaters	1,060	171		473
2002	Surface Water: Total Dissolved Solids	No Concern	Main pool near dam	7,000	171		473
2002	Surface Water: Total Dissolved Solids	No Concern	Paradise Point	2,000	171		473
2002	Surface Water: Total Dissolved Solids	No Concern	Rocky Point area	7,000	171		473
2002	Surface Water: Overall	No Concern	Garret Island area	6,000			
2002	Surface Water: Overall	No Concern	Headwaters	1,060			
2002	Surface Water: Overall	No Concern	Main pool near dam	7,000			
2002	Surface Water: Overall	No Concern	Paradise Point	2,000			
2002	Surface Water: Overall	No Concern	Rocky Point area	7,000			
2002	Overall Public Water Supply Concerns	No Concern	Garret Island area	6,000			

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Public Water Supply Concern (continued)

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2002	Overall Public Water Supply Concerns	No Concern	Headwaters	1,060			
2002	Overall Public Water Supply Concerns	No Concern	Main pool near dam	7,000			
2002	Overall Public Water Supply Concerns	No Concern	Paradise Point	2,000			
2002	Overall Public Water Supply Concerns	No Concern	Rocky Point area	7,000			

Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	Garret Island area	6,000			
2002	Overall Narrative Criteria Concerns	No Concern	Headwaters	1,060			
2002	Overall Narrative Criteria Concerns	No Concern	Main pool near dam	7,000			
2002	Overall Narrative Criteria Concerns	No Concern	Paradise Point	2,000			
2002	Overall Narrative Criteria Concerns	No Concern	Rocky Point area	7,000			

Overall Secondary Concern

2002		No Concern	Garret Island area	6,000			
2002		Concern	Headwaters	1,060			
2002		No Concern	Main pool near dam	7,000			
2002		No Concern	Paradise Point	2,000			
2002		No Concern	Rocky Point area	7,000			