

WATER QUALITY MONITORING

RSVL RESULTS SUMMARY 2010-2018

WATER QUALITY IS MONITORED TO DETERMINE THE STAGE OF EUTROPHICATION/AGING OF A LAKE.
 THE QUEBEC WATER QUALITY MONITORING PROGRAM IS CALLED
 "Réseau de surveillance volontaire des lacs" (RSVL) "Voluntary Lake Monitoring Network"

CLASSIFICATION OF LAKES / STAGE OF EUTROPHICATION (LAKE AGING)

THERE ARE THREE MAIN CATEGORIES and SEVERAL TRANSITIONAL STAGES



GREEN OLIGOTROPHIC ➤ Early Stage of Eutrophication

YELLOW MESOTROPHIC ➤ Intermediate Stage

RED EUTROPHIC ➤ Advanced Stage

	ULTRA-OLIGOTROPHIC	excellent
	OLIGOTROPHIC	↓
	OLIGO-MESOTROPHIC	↓
	MESOTROPHIC	a lake in transition
	MESO-EUTROPHIC	↓
	EUTROPHIC	very troubled waters
	HYPER-EUTROPHIC	

LAKE HUGHES RSVL RESULTS 2010 – 2018

	TRANSPARENCY	PHOSPHORUS	CHLOROPHYLL α	DISSOLVED ORGANIC CARBON	LAKE HUGHES (COMBINED RESULTS)
2010				WATER COLORED HAVING AN IMPACT ON TRANSPARENCY	OLIGO-MESOTROPHIC
2011				WATER COLORED HAVING AN IMPACT ON TRANSPARENCY	OLIGO-MESOTROPHIC
2012				WATER COLORED HAVING AN IMPACT ON TRANSPARENCY	OLIGO-MESOTROPHIC
2013					
2014					
2015					
2016				WATER COLORED HAVING AN IMPACT ON TRANSPARENCY	OLIGO-MESOTROPHIC
2017					
2018				WATER COLORED HAVING AN IMPACT ON TRANSPARENCY	OLIGO-MESOTROPHIC

The Lake Hughes Water Quality Monitoring results are remaining stable – the lake is in a transition zone showing some signs of aging.

WE CAN SLOW DOWN THE PROCESS.

It is very important to be vigilant about the maintenance of our septic systems and the shoreline protection area which helps stop pollutants from entering the lake.

Complete RSVL Water Quality Monitoring reports are on the Lake Hughes website, and the RSVL & CRE Laurentides websites.

REFERENCES: RSVL "Réseau de surveillance volontaire des lacs" www.mddelcc.gouv.qc.ca/eaue/rsvl
 CRE Laurentides "Conseil régional de l'environnement des Laurentides" → Atlas des lacs www.crelaurentides.org