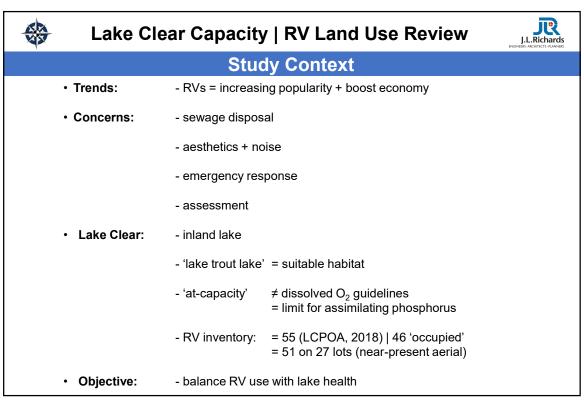
# Bonnechere Valley Committee Meeting Presentation Lake Clear Capacity | RV Land Use Review Draft Report(s) Review: 11-28-23

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# **Regulatory Context**

• ON Model: - dissolved  $O_2 = 7 \text{ mg/L (minimum)}$ 

- phosphorus = pre-development + 50% (up to  $20 \mu g/L$ )

• Official Plan: - existing lots of record only

- one dwelling only (permanent or seasonal)

- ADUs are not permitted + RVs are not ADUs

- enables RV land use policies along inland lakes

- RVs = temporary uses + Lake Clear = inland lake

• Zoning By-law: - Section 3.17 ≠ permanent RV occupancy

- RV storage only (LSR + RU Zones = 610 lots)

- temporary seasonal RV occupancy (TC Zone only)

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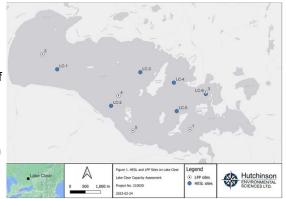


# Lake Clear Capacity | RV Land Use Review



# **Updated Capacity Assessment**

- · Tasks:
- Lakeshore Capacity Modelling and comparison to water quality guideline for phosphorus (predevelopment + 50%)
- Collection of dissolved oxygen data, calculation of deep-water oxygen, and comparison against the Provincial criterion of 7 mg/L
- Water quality assessment of Lake Clear based on background review and field investigations
- Review waterfront Best Management Practices (BMPs)







# **Updated Capacity Assessment**

- Findings: Lakeshore Capacity Model:
  - = current modelled total phosphorus concentration = 8.64 μg/L
  - = Provincial Water Quality Objective (pre-development + 50%) = 10.7 μg/L
  - there is capacity for 146 permanent dwellings, or 291 extended seasonal dwellings, or 522 seasonal dwellings, or 2 RVs on each residential lot
  - Dissolved oxygen:
    - = 2022 hypolimnetic dissolved oxygen = 6.2 mg/L so over capacity in terms of oxygen
  - = modelling indicates dissolved oxygen was < 7 mg/L pre-development

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# Lake Clear Capacity | RV Land Use Review



#### **Updated Capacity Assessment**

- Takeaways: Phosphorus concentration = under capacity | dissolved oxygen = over capacity
  - Modelling: the lake has always been over capacity for dissolved oxygen as morphology strongly determines deep water oxygen concentrations
  - Water quality is good and there are no increasing trends in nutrients
  - Current use of RVs is non-compliant and impacts are unclear so either:
  - = maintain + enforce current policy / regulatory regime, OR
  - = change policies / regulations to allow RV use + include BMPs + enforce





# **Updated Capacity Assessment**

- **Recommendations:** Up to 2 RVs on each residential lot (LSR + RU Zones = 610 lots) if BMPs are developed + enforced
  - On-site sewage treatment as per ON Building Code
  - 30 metre naturally vegetated shoreline buffer
  - Maximize stormwater infiltration + limit runoff
  - Monitor lake water quality + BMPs

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# Lake Clear Capacity | RV Land Use Review



# Cases: Strong (S) + North Frontenac (NF) + Whitewater Region (WR)

- Tools: Official Plans + Zoning By-laws + Licensing By-laws
- Official Plans: All = differentiate temporary AND permanent / seasonal
  - = outline mitigation policies for temporary occupancy (RVs)
  - = enable more detailed zoning + licensing provisions
  - (NF) allows 1 RV on waterfront residential lots (vacant | developed)
- Zoning By-laws: 'the outlier': park model trailers (included in BV's definition of RV)
  - waterfront residential lots = (S) allows RVs on vacant | developed
    - = (WR) allows RVs on vacant only
  - (S) + (WR) rely on applicable Zone setbacks
  - All rely on Licensing By-laws





#### Cases: Strong (S) + North Frontenac (NF) + Whitewater Region (WR)

- Licensing: All = exclude RVs in storage + assessed RVs
  - = include provisions for on-site sewage disposal
    - inspection + enforcement
  - (S) + (WR) have similar prohibitions length of stays
    - occupancy during the year
    - no accessory structures
    - no license transfers
  - (WR) allows up to 2 RVs on a waterfront residential lot (CofA)
  - (WR) + (NF) = require civic addressing (for vacant lots)
    - = special provisions flood fringe | floodways (WR)
      - hunting | fishing (NF)

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# Lake Clear Capacity | RV Land Use Review



# **Study Recommendations**

- **Recommendation:** up to 2 RVs on each residential lot
  - LSR + RU Zones = 610 lots = 1200+ RVs
- Objective: balance RV use with lake health
  - compatibility + neighbourhood character
- Approach: Official Plan + Zoning By-law + Licensing





#### **Study Recommendations**

- Amend Official Plan: focused on Section 9.4.3 (Exception 3)
  - cross-reference: = 30 metre setback from high water mark
    - (Township + agency review if less)
    - = 'should' retain | new vegetated shoreline
    - = Zoning By-law and Licensing By-law
  - highlights: = RV storage and temporary seasonal use
    - = vacant or developed waterfront residential
    - = on-site potable water supply
      - sewage treatment (ON Building Code)
    - = no on-site sewage treatment stored RVs
      - occupied RVs (7 days)
      - special event RVs
    - = 7-day occupied / special event RVs on-board tanks
      - licensed facilities

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#### Lake Clear Capacity | RV Land Use Review



#### **Study Recommendations**

- Amend Zoning By-law: focused on: = Section 2 (tweaked RV definition)
  - = new Section 3.17.2 ('Recreational Vehicles')
  - = existing waterfront residential lots (LSR + RU Zones)
  - = temporary seasonal occupancy + special events
  - = cross-reference LSR / RU setbacks
  - = May 01 to November 29 occupancy (no Winter)
  - vacant lots: = 1 RV occupied for up to 3 consecutive days:
    - baseline: OK without licensing
      - no accessory structures / additions
      - 30 metre vegetated setback
    - if fully licensed: accessory structures OK (LSR / RU)
      - additions OK = RV ground floor area
        - = pre-engineered
        - = movable
        - = ON Building Code
      - setback = 30 metre vegetated
        - = 10% landscaped access





#### **Study Recommendations**

- Amend Zoning By-law: vacant lots: = 1 RV occupied for >3-7 consecutive days:
  - baseline: OK once per Spring, Summer and Fall
    - licensing (notify CBO only)
    - no accessory structures / additions
    - 30 metre vegetated setback
  - if fully licensed: accessory structures OK (LSR / RU)
    - additions OK = RV ground floor area
      - = pre-engineered
      - = movable
      - = ON Building Code
    - setback = 30 metre vegetated
      - = 10% landscaped access
  - vacant lots: = 1 RV occupied for >7 consecutive days:
    - needs to be fully licensed + see above

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#### Lake Clear Capacity | RV Land Use Review



#### **Study Recommendations**

- Amend Zoning By-law: vacant lots: = 1 RV / 0.4 ha (up to 2) occupied for >7 consecutive days:
  - baseline: needs to be fully licensed
    - accessory structures OK (LSR / RU)
    - additions OK = RV ground floor area
      - = pre-engineered
      - = movable
      - = ON Building Code
    - setback = 30 metre vegetated
      - = 10% landscaped access
    - 6 metre separation
    - minor variance
  - developed lots: = special events for >3-7 consecutive days:
    - baseline: OK once per Spring, Summer and Fall
      - licensing (notify CBO only)
      - 1 RV / 0.4 ha (up to 2 RVs)
      - 6 metre separation
      - no accessory structures / additions





#### **Study Recommendations**

- New Licensing By-law:
- excludes
- = stored RVs
- = assessed RVs
- = weekend use: up to 3 consecutive days
  - no accessory structures / additions
- compliance with other regulations
- legal non-conformity / non-compliance does not matter
- applies to = up to 7 consecutive days with accessory structures / additions
  - = > 7 consecutive days
  - = 2 RVs > 7 consecutive days
- vacant lots = 1 RV or 1 RV / 0.4 ha (up to 2 RVs)
  - = Township may impose conditions
  - = potable water supply
  - = Class 4 septic (ON Building Code)
  - = electrical service
  - = civic address + entrance permit

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# Lake Clear Capacity | RV Land Use Review



#### **Study Recommendations**

- New Licensing By-law: exemption = vacant lots with 1 RV: >3-7 consecutive days
  - once per Spring, Summer and Fall
  - advance notice to CBO
  - on-board tanks (licensed facilities)
  - exemption = developed lots:
- 1 RV per 0.4 ha (up to 2 RVs)
- >3-7 consecutive days
- once per Spring, Summer and Fall
- special events only
- advance notice to CBO
- on-board tanks (licensed facilities)





# **Study Recommendations**

- New Licensing By-law: other provisions = occupancy restricted from November 30 to April 30
  - = fees as per Fees and Charges By-law
  - = January 01 to December 31 period
  - = fees payable by February 28
  - = refunds available if RV no longer in use
  - = no license if incomplete application
  - = no license if regulatory breaches
  - = inspections by authorized Township staff
  - = violations: AMPs
    - licensee to remove RV (14 days)
    - Township can remove RV (licensee liable)

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# Lake Clear Capacity | RV Land Use Review



# **Next Steps**

- December 31/23: Receive Feedback
- January 31/24: Review Feedback
  - Draft Final Reports
  - Committee Meeting
- Post-Committee Meeting: Final Reports
  - Project Close-Out

