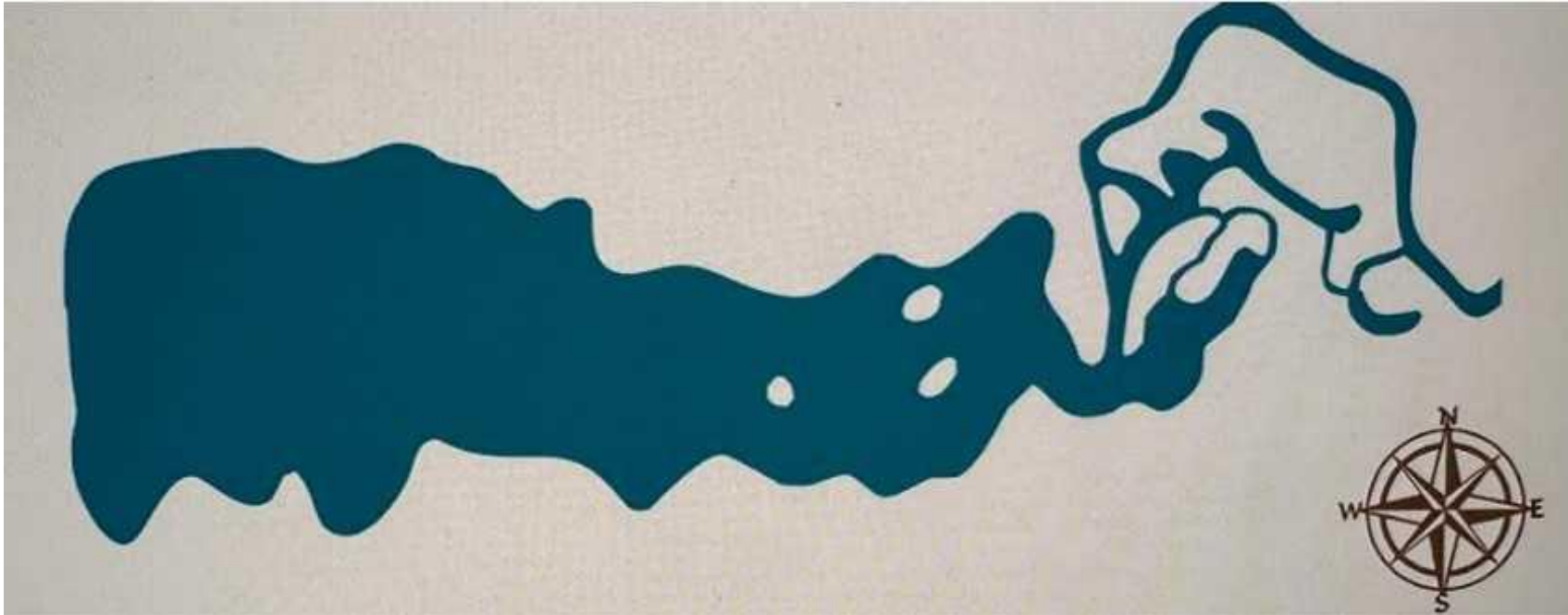


Arkdale Lake District



Special Meeting

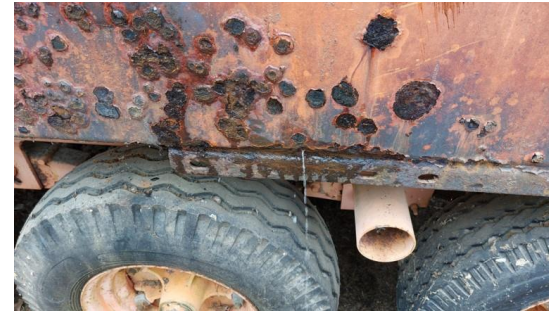
9/23/2023

Agenda

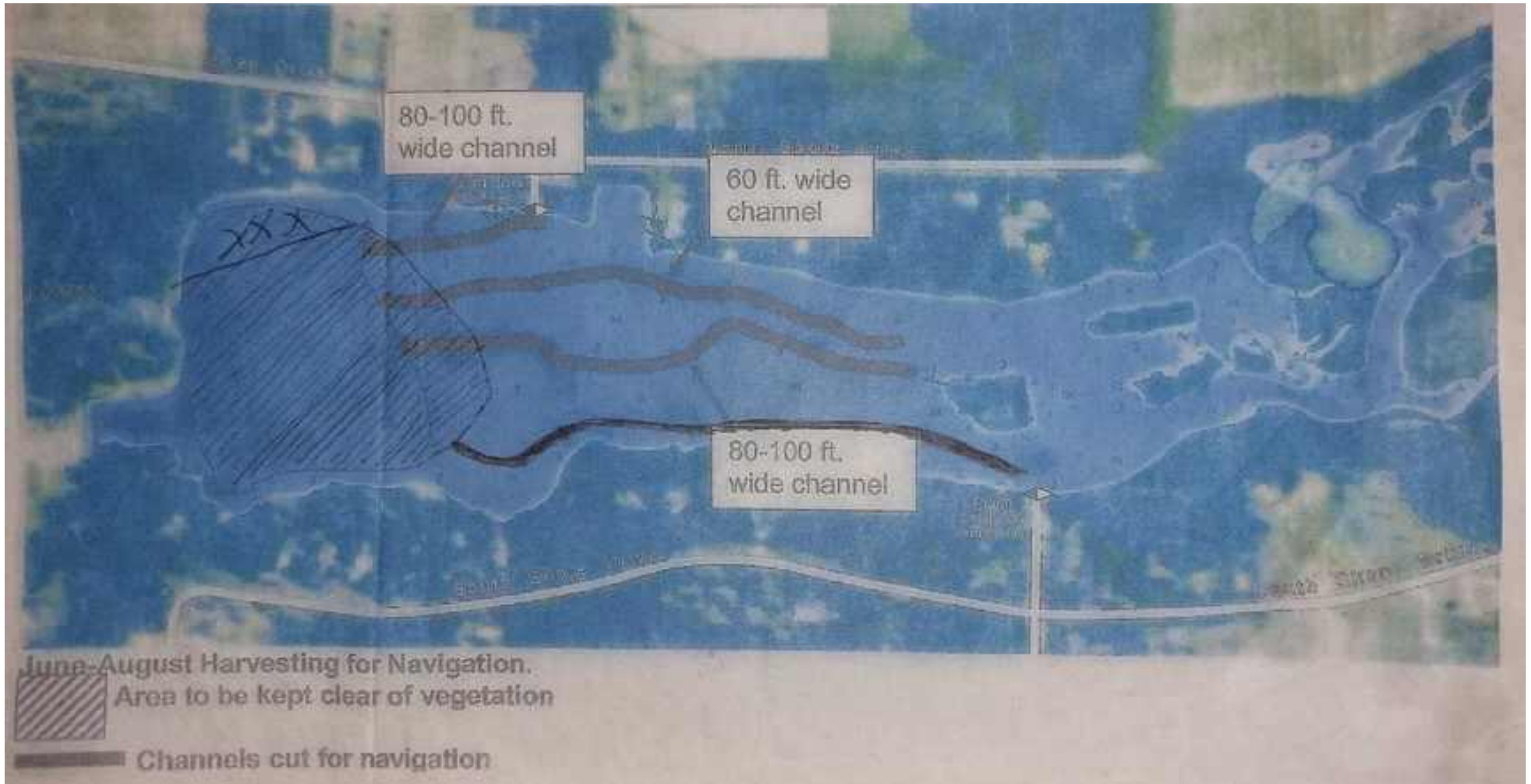
- Call to order
- Weed Management Current State Review
- Weed Management Options
- Open Discussion 30 minutes
- District Selection Vote
- Resolution Vote (if required)
- Adjourn

Weed Management – Current State

- Current Weed Harvester is unusable – hull is rusted through
- A used John Deere tractor was purchased in 2023 to replace the Ford with a seized motor
- Weeds haven't been managed for 5 years due to shallow water at the south shore boat landing
- Curly leaf pond weed is impacting boat navigation



DNR Approved Harvesting Locations



Funding Available

- Non-Lapsable (Savings Account) - \$69,000
- Waterways Grant up to 0 - 50% purchase price of a weed harvester
 - Preapplication submitted
 - Resolution needed
- Loan

Weed Management Options

- A. Purchase a New Weed Harvester
- B. Purchase a Used Weed Harvester
- C. Chemical treatments
- D. Contract weed harvesting
- E. Do nothing

A. Purchase New Weed Harvester



- \$100,000 - \$150,000 purchase to include harvester and trailer

A. Purchase New Weed Harvester, cont.

- Unlimited harvesting, (we control how often we harvest)
- Requires volunteers to run
- DNR restrictions and permit required
- Requires shelter for winter storage
- \$69,000 available
- Potential grant for up to 50% of purchase price
- If grant is not approved, a loan would be required
- Potential increase in special assessment tax

B. Purchase Used Weed Harvester



- \$50,000 - \$90,000 purchase to include harvester and trailer

B. Purchase Used Weed Harvester, cont.

- Unlimited harvesting, (we control how often we harvest)
- Requires volunteers to run
- DNR restrictions and permit required
- Requires funds or shelter purchased for winter storage
- \$69,000 available
- Potential grant for up to 50% of purchase price
- If grant is not approved, and more funding is needed, delay purchase until funds are available

C. Chemical Treatment



Cason has provided a quote to chemically treat the aquatic weeds in the lanes shown in the picture above

- \$12,855 + other expenses per treatment



Curly-leaf Pondweed

This plant is easily killed, but its turion (seed-like fruiting body) can persist for years. For effective control and eradication, long-term monitoring and management are necessary.

As with all our plant surveys, our biologists utilize precision GPS data for accurate map development. These maps are delivered with a report summarizing the survey findings. Our treatment teams utilize boat-mounted, injection pump systems with digitally calibrated flow meters for precise treatment of each plant bed.

C. Chemical Treatment, cont.

- \$6,000+ annual operating funds in the budget, \$69,000 savings can also be drawn against
- Annual contracts
- No volunteers needed
- Options include multiple treatments per year, single annual treatment, as funds become available
- DNR restrictions and permit required
- Depending on frequency, potential increase in special assessment tax

D. Contracted Harvesting



Our full service operation can eliminate your weed problem from start to finish. Remember to ask about our weed hauling services.

- \$5,000 per day



Hire weed harvesting professionals at TSB Lakefront Restoration and Diving. Our business has 2 Aquarius EH 220 harvesters- 5ft wide cutting capabilities (each harvester). Our professionals have skills to haul away weeds and work with lake associations, counties, and townships with large and small lakes at competitive pricing.

- \$ XXX

D. Contracted Harvesting, cont.

- \$6,000+ annual operating funds in the budget, \$69,000 savings can also be drawn against
- Annual contracts
- Some volunteers may be needed, based on contract
- DNR restrictions and permit required
- Depending on frequency, potential increase in special assessment tax

E. Do Nothing



- Allow the weeds to grow unmanaged, as they have for the last 5yrs
- Potential for invasive species to take over and impact use of the lake for boating and fishing
- Depending on how much savings we want to maintain, potential reduction in special assessment tax

A: New Weed Harvester (District Members Operate)	One Time	Annual	10yr
Purchase	\$100,000 - \$150,000		\$100,000 - \$150,000
Other repair items	\$900		\$900
Annual Maintenance, Insurance, DNR Permit		\$6,000	\$60,000
Shelter	\$14,000		\$14,000
Total Costs	\$134,900 - \$164,900	\$6000	\$174,900 - \$224,900

B: Used Weed Harvester (District Members Operate)	One Time	Annual	10yr
Purchase	\$50,000 - \$90,000		\$50,000 - \$90,000
Other repair items	\$900		\$900
Annual Maintenance, Insurance, DNR Permit		\$6,000	\$60,000
Shelter	\$14,000		\$14,000
Total Costs	\$64,900 - \$104,900	\$6000	\$124,900 - \$164,900

C: Chemical Treatment (1x Annual, Contractor)	One Time	Annual	10yr
Annual Chemical Treatment		\$13,000	\$130,000
DNR Permit		\$1000	\$10,000
Total Costs		\$14,000	\$140,000

D: Mechanical Harvest (3x Annual, Contractor)	One Time	Annual	10yr
Mechanical Harvest 1 day for July, August, Sept.		\$15,000	\$150,000
DNR Permit (every 5yrs)*		\$300	\$600
Total Costs		\$15,300*	\$150,600

E: Do Nothing	One Time	Annual	10yr
Annual Surplus		\$6,000	\$60,000
Total Savings			\$60,000

Open Discussion (30 min)

District Vote

- A. Purchase New Harvester
- B. Purchase Used Harvester
- C. Chemical Treatment
- D. Contracted Harvesting
- E. Do Nothing

Resolution (if required)

- Reading of the Resolution
- Resolution vote

Adjourn