

Gary Larson Speaking Notes  
**CLIPA Plan Presentation**  
4/28/11  
TMDL Group

**My Motivation** = Built Heritage Park and re-built Marathon Park:

- One of our objectives was to accommodate people,
  - Swimming, launching kayaks and canoes, picnicking along the Lake edge.
- I wish to see that vision become reality
  - When the Watershed issues are addressed for clean water in the impoundment
- CLIPA Plan:
  - “Save the Lake” Compromise = North Basin only
  - Option open for dredging Middle Basin = \$\$

**Dredge pocket**

- 100,000 CY, Center of North Basin
- Current slows, Sediment drops (CLAMP)

**Small boat mounted Hydraulic Dredge** (CLAMP)

- 1-2k CY/Day = Higher production than Mechanical Dredge
- Fish window = 7 mo. Mid-July to Mid-Feb
- Need 66 Working Days @ 1500 cy/day
- CLAMP = 212,000 CY, West shore of Middle Basin
- CLIPA = ½ that at location distributed as/Pre-Design
- Advantage = No Export = No toxic issues

**Maintenance Dredge**

- Remove from pocket and channel every 3 yrs.
- 100,000 could go to Middle basin
- Could go RR, 2K' side track (CLAMP)
  - Hold 36 gondolas @ 65 cy = 2400 cy
    - 1 gondola = 7 Dump Trucks
- Could go pipeline to Budd Inlet Barge (CLAMP)
- GA old Gravel Pit = Settling Basin (CLAMP)
  - West of Marathon, boarded by RR
  - 8 acre site, CLAMP = Hold 100,000 CY
- Naturally drained & removed for: Land fill, Landscaping
  - Waste site cap material, & RR export
- **Cost comparison** = ½ cost of Estuary (CLAMP)
- **Cubic Yards** – Much less for initial dredge (CLAMP)

**Dam Operation** = Dam opens twice per day following the tide out

- Allows the river flow build-up to escape.
- Keeps Lake level within a Foot of same elevation
- Controlling flood conditions by early warning
- Estuary would only reach the current elevation for less than
  - 1 hour twice per day (14' tide elevation)
  - Then 0' (tide elevation) twice/day. (exposed bottom)
- Then all the other 20 hours of the day would be everything in-between.

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## **Acronyms & Abbreviations**

CLAMP:	Capitol Lake Adaptive Management Plan
CLIPA:	Capitol Lake Improvement and Protection Association
CY:	Cubic Yards
K:	Thousand
RR:	Railroad
TMDL:	Total Maximum Daily Load