

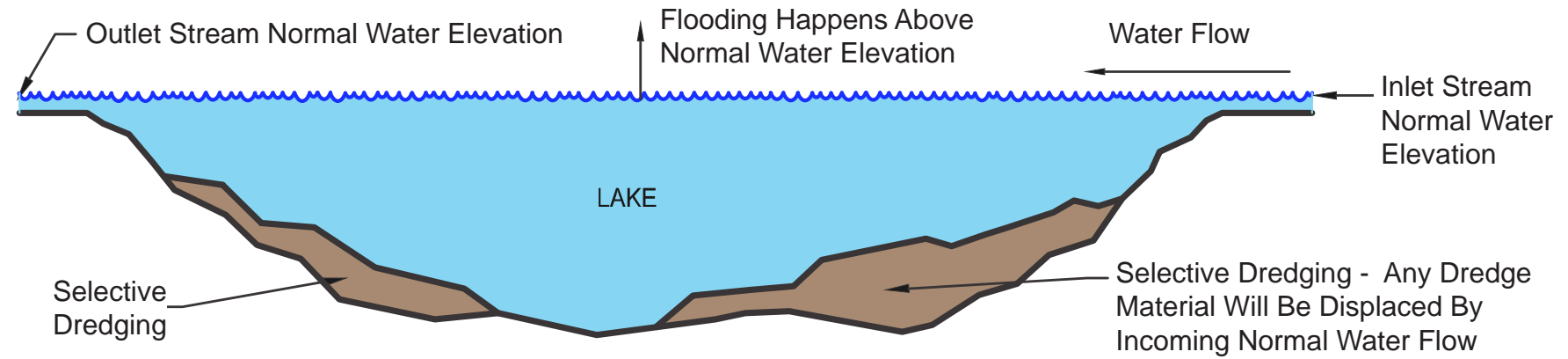
SECTION 7

The Plan

CHIPPEWA LAKE MASTER PLAN OVERALL SITE



Dredging is the removal of sediments and debris from the bottom of lakes, rivers, harbors, and other water bodies. Water bodies are dredged for navigation and environmental reasons. It increases the depth of navigable area to ensure safe passage of watercraft. It also removes nutrient-rich sediments and toxic substances, reduces rooted aquatic plant growth, lessens sediment re-suspension by wind and waves, and improves fish habitat. Any form of dredging will need to be confirmed with a Dredging Feasibility Study.



LEGEND

- AGRICULTURAL LANDS
- WETLANDS
- FLOODPLAIN
- PARK DISTRICT
- PROJECT FOCUS AREA
- PARK DISTRICT LAKEFRONT
- PRIVATE &/OR SUBDIVISION LAKEFRONT
- STORMWATER MANAGEMENT
- PASSIVE
- ACTIVE
- ACTIVE + PASSIVE

CHIPPEWA LAKE MASTER PLAN FOCUS AREA

ECOLOGY

RECREATION

EQUITY

LEGEND

- 1 SHORELINE/STREAM RESTORATION
- 2 NATIVE MEADOW
- 3 SHELTER/SNACK STAND/PADDLE CRAFT RENTAL
- 4 PADDLE CRAFT LAUNCH & STAGING AREA
- 5 PARKING
- 6 OBSERVATION TOWER
- 7 ASPHALT TRAIL
- 8 LITTLE DIPPER INTERPRETIVE PLAZA
- 9 ARCADE BLOCK
- 10 SILVER BULLET PLAZA
- 11 PAVILION
- 12 SEAT NODES
- 13 RENOVATED PIER
- 14 AMPHITHEATER/OVERLOOK
- 15 NATURE PLAY & BUG RIDE FOUNDATION RELIC
- 16 LAKEHOUSE (RENTABLE SPACE, RESTROOMS, LOCAL MUSEUM)
- 17 STORMWATER MANAGEMENT
- 18 CHIPPEWA YACHT CLUB
- 19 TRAFFIC CIRCLE W/ FERRIS WHEEL RELIC
- 20 PARK MAIN ENTRANCE W/ ENTRY SIGN
- 21 HIKING TRAILS
- 22 STONE TRAIL
- 23 PICNIC GROUNDS
- 24 PARKER BEACH HOMESTEAD INTERPRETIVE PLAZA & SHELTER
- 25 THE OAKS LAKESIDE RESTAURANT
- 26 ENTRY DRIVE
- 27 PARK SECONDARY ENTRANCE
- 28 SLED HILL
- 29 POTENTIAL SWIM AREA
- 30 EXISTING BRIDGE
- 31 SIGNAGE



Chippewa Lake

Euclid Ave

Clayton Dr

Lake Rd

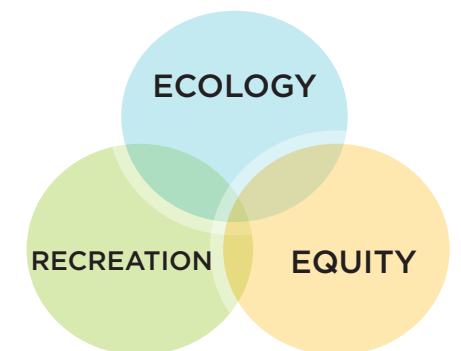
Longacre Lane

CHIPPEWA LAKE MASTER PLAN: ECOLOGY



LEGEND

- 1 SHORELINE/STREAM RESTORATION
- 2 NATIVE MEADOW
- 13 RENOVATED PIER
- 14 AMPHITHEATER/OVERLOOK
- 17 STORMWATER MANAGEMENT
- 29 POTENTIAL SWIM AREA





Chippewa Lake

Euclid Ave

Longacre Lane

Clayton Dr

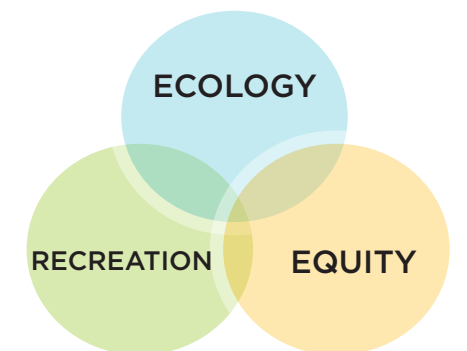
Lake Rd

CHIPPEWA LAKE MASTER PLAN: RECREATION



LEGEND

- 2 NATIVE MEADOW
- 3 SHELTER/SNACK STAND/PADDLE CRAFT RENTAL
- 4 PADDLE CRAFT LAUNCH & STAGING AREA
- 5 PARKING
- 6 OBSERVATION TOWER
- 7 ASPHALT TRAIL
- 8 LITTLE DIPPER INTERPRETIVE PLAZA
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- 31 SIGNAGE



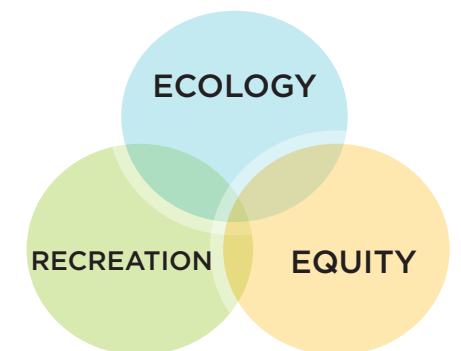


CHIPPEWA LAKE MASTER PLAN: EQUITY



LEGEND

- 1 SHORELINE/STREAM RESTORATION
- 7 ASPHALT TRAIL
- 11 PAVILION
- 12 SEAT NODES
- 13 RENOVATED PIER
- 14 AMPHITHEATER/OVERLOOK
- 15 NATURE PLAY & BUG RIDE FOUNDATION RELIC
- 21 HIKING TRAILS
- 22 STONE TRAIL
- 23 PICNIC GROUNDS
- 24 PARKER BEACH HOMESTEAD INTERPRETIVE PLAZA & SHELTER







SECTION 8

Phasing

PHASING AND COST ESTIMATING

PHASE 1 (0-5 YEARS)

NORTH 40 TRAIL WESTERN LOOP

Action	Cost
SITE IMPROVEMENTS	
Earthwork	\$50,000
New Gravel Trail Loop	\$60,000
Trail Subdrain	\$70,000
Drainage	\$15,000
SWP3 Measures	\$10,000
Primitive Hiking Trail	\$2,400
LANDSCAPING	
Repair Disturbed Lawn Areas	\$10,000
Total Construction Cost (Including Contingency & Mobilization)	\$293,600

PHASE 2 (5-10 YEARS)

NORTH 40 TRAILHEAD & EASTERN TRAIL LOOP

Action	Cost
ENTRY DRIVE / TRAILHEAD PARKING	
Earthwork	\$15,000
Asphalt Entry Drive	\$35,000
Trailhead Parking Area	\$48,000
Accessible Curb Ramps & Signage	\$5,000
Drainage	\$10,000
Pavement Striping	\$2,000
Entry Sign	\$12,000
SWP3 Measures	\$5,000
GRAVEL LOOP TRAIL	
Earthwork	\$31,000
Gravel Trail Loop	\$37,200
Trail Subdrain	\$43,400
Trail Drainage	\$9,300
Trail SWP3 Measures	\$6,200
HIKING TRAIL	
Primitive Hiking Trail	\$6,300
TRAILHEAD PLAZA	
Asphalt Path	\$15,000
Pedestrian Interpretive Plaza	\$45,000
Shade Structure	\$120,000
Picnic Tables on Concrete Pads	\$28,000
Trash Receptacles	\$3,000
Interpretive Signage	\$10,000
LANDSCAPING	
Repair Disturbed Lawn Areas	\$6,750
Shade Tree Plantings	\$6,400
Total Construction Cost (Including Contingency & Mobilization)	\$649,600

ADDITIONAL PHASES

Action

DEMOLITION

Clear & Grub Existing Vegetation

Strip & Stockpile Topsoil

SITE IMPROVEMENTS

Selective Dredging

Shoreline Restoration (east & west lake shores)

Stream Restoration

Stormwater Management

Asphalt Drive

Parking Lot

6' Asphalt Path

ADA Curb Ramps

Integral Concrete Curb

Curb Underdrains

Pavement Striping

Traffic Circle

Relocate Ferris Wheel Relic

Asphalt Trail Underdrains

Paddle Craft Launch

Paddle Craft Staging Area

Renovated Pier

Picnic Grounds

Little Dipper Interpretive Plaza / Signage

Silver Bullet Plaza / Signage

Seat Nodes

ARCHITECTURAL ELEMENTS

Pavilion

Lakefront Amphitheater

Lakehouse Building

Shade Pavilion / Small Restroom Building

Snack Shack

Observation Tower

Action

PLAY AREA

Nature Play Area (Bug Ride Foundation Relic)

Arcade Block

Sled Hill

LANDSCAPING

Amend & Respread Topsoil at Traffic Circle & Trail

Fine Grade & Seed Disturbed Lawn Areas at Traffic Circle

Shrubs at Entry Sign

Native Meadow Establishment

SITE FURNISHINGS

Light Poles

Circular Benches

Straight Benches

Trash Receptacles

Porch Swing

Picnic Tables

Amphitheater Seating

SIGNAGE

Entry Sign

Signage