Lakeshore Campground
Redevelopment Study
Meeting Agenda / Overview

• Introductions

• General Project Overview
• Design Process / Team
• Review Study Phase Highlights
  • Public Input & How it Shaped the Plan
  • Natural Features Preservation
• Programming Highlights (Technical)

• Programming Highlights (Design)
• Review Concept / Schematic Design Plan
  • Plan Highlights & Details
• Next Steps

• Group Discussion
Camper Footprints - Circa 1950’s
Today
Tomorrow
Thinking Outside The Box

Incorporate Environmentally Friendly Technologies
- Solar power
- Wind turbines
- Porous pavers
- Water saving fixtures...

Embrace Virtual Nature
For those physically unable to visit parks and to enhance the experience of all recreation enthusiasts
- Live Online Streaming
  - 'Dune Restoration-Cam'
  - 'Tree Canopy-Cam'
  - 'Aviary-Cam'
  - 'Critter-Cam'
  - 'Aquatic-Cam'

Maximize the therapeutic properties of NATURE

Feature Educational opportunities

Welcome Social Media

Adaptive Reuse of existing infrastructure

American Ingenuity & Creativity

Encompass
Design Process

• Collaboration
• Transparency with Public
• MDNR-PR Agency Priorities
• Environmental Stewardship
• Sustainable & Cost Effective
Design Team
Study Phase 100

- Thorough In-Depth Analysis of Existing Conditions
- Redevelopment Objectives
CRS Data

TEN MOST AND LEAST POPULAR SITES

![Campground Map]

- **Ten Most Popular Sites**
- **Ten Least Popular Sites**
CRS Data (Total Reservation by Equipment)

- **Tent/Trailer 55%**
- **Tent 38%**
- **Motorhomes 10%**
- **Trailers 34%**
- **Trailer 30' 12%**
- **Trailer 25' 13%**

Percent of Total Reservations 2007-2011
CRS Data (Reservation Stay Length By Equipment)
On-Site User Survey / Input
June – September, 2011

• Layout of Sites
• Restroom Buildings
• Sanitation Station
• Technology
• Roads
• Beach
• Pets
• Group Sites
• “Wilderness”
• Other Amenities
### On-Site User Survey / Input

**June – September, 2011**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>COMMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beach</td>
<td>More beach lots</td>
</tr>
<tr>
<td></td>
<td>Restroom at Beach (campground and day use area)</td>
</tr>
<tr>
<td></td>
<td>Goal: More camp sites lake side</td>
</tr>
<tr>
<td></td>
<td>More access to beach (3 per circle, boardwalk) 53 &amp; 55, down by 38 &amp; 1 more place in between</td>
</tr>
<tr>
<td></td>
<td>Clarify paths to beach- maybe identify, Ask people to use marked paths</td>
</tr>
<tr>
<td></td>
<td>More access walks to beach on East Lakeshore</td>
</tr>
<tr>
<td></td>
<td>More access walks to beach on East Lakeshore</td>
</tr>
<tr>
<td></td>
<td>Rake right @ shoreline</td>
</tr>
<tr>
<td></td>
<td>Keep beach lots</td>
</tr>
<tr>
<td></td>
<td>Need an area designated for dogs on the beach</td>
</tr>
<tr>
<td></td>
<td>More walkways to beach</td>
</tr>
<tr>
<td></td>
<td>Clear more sand areas on the beach</td>
</tr>
<tr>
<td></td>
<td><strong>A small beach area for dogs.</strong></td>
</tr>
<tr>
<td></td>
<td>Walkways to the beach</td>
</tr>
<tr>
<td></td>
<td>Playground off beach</td>
</tr>
<tr>
<td></td>
<td>Leave Lakeshore sites as are (east end sites so nice :) - add a third loop on the shoreline to include group camping</td>
</tr>
<tr>
<td></td>
<td><strong>Additional Lake Shore Sites</strong></td>
</tr>
<tr>
<td></td>
<td>Clear vegetation so there is more useable beach area</td>
</tr>
<tr>
<td></td>
<td>Extend campground to have more lakeshore sites and make larger sites to accommodate bigger units. Our 30 foot does not fit most. Paving on sites OK with grass</td>
</tr>
<tr>
<td></td>
<td>Please Please Please do not take waterfront sites out or make them just tent sites. We come all the way from the East Coast to camp here (37 years).</td>
</tr>
</tbody>
</table>
Historic Significance

- CCC Craftsmanship
- Michigan Lumber Industry
Regional Connectivity

• North Country Trail
Dark Sky Park Designation
Natural Features Inventory

• Tree Survey
• Vegetation analysis
• MNFI Evaluation / Field Survey
• Shoreline Ecosystem
• Dune & Swale Wetland Complex
Tree Inventory

Large Trees (18" - 26" DBH)
Natural Communities

Wooded Dune & Swale Complex
Rare & Endangered Species
MNFI Mapping

Figure 1. Known Element Occurrences intersecting the existing or proposed expansion areas of Wilderness State Park - Big Stone Bay Campground
Environmental Stewardship

- Threatened & Endangered Species Protection
- Low Impact Development (LID)
- Green & Sustainability Initiatives
- Dunes Reclamation
Future Recreation

**Proposed**
- Kite Boarding
- Stand-Up Paddle Boarding
- More Bike Trails
- Senior Activities
- Geocaching
- Mobile Apps
Background Research

• Design Criteria, Standards & Practices
• National Recreation Activity Trends
• Michigan Recreation Activity Trends
• Recent Michigan Initiatives
• Sustainability / Green Initiatives
• Social Media & Technology
Signage

Traffic Signs
- 5 MPH
- Slow

Trail Signs
- 10k Finish
- Trail Map
- Wallway

Instructional Signs
- Emergency Telephone Numbers
- Registration Sign
- Fish Guts Only!
- Dogs Prohibited

Area Signs
- Site Number
- Headquarters Sign
- Recycling Area
- Garden

Rule Signs
- No Parking
- Drinking Fountain
- No Bikes
- Do Not Wash Dishes or Clothes
- No Glass or Animals
- Recreation Passport Required for Entry
- No Dogs on Beach
Infrastructure
Infrastructure
On-Line User Survey (2012)

• Over 1,200 Respondents
  • User Demographics
  • Equipment Usage / Accommodations
  • Preferred Recreational Activities
  • Desired Technology Upgrades
Primary Accommodations

If you camp at Lakeshore Campground, what are your primary accommodations?

- Tent(s): 34%
- Pop-Up Camper: 20%
- RV < 25 ft: 8%
- RV > 25 ft: 8%
- Camper Trailer < 30 ft: 18%
- Camper Trailer > 30 ft: 5%
- 5th Wheel Camper < 30 ft: 4%
- 5th Wheel Camper > 30 ft: 3%
Most Important Features

What are the park’s most important recreational features for you? (check up to 3 choices)

- Camping
- Swimming
- Hiking
- Biking
- Canoeing/Kayaking
- Fishing
- Bird watching
- Boating
- Hunting
Most Unique Characteristics

What characteristics make Wilderness State Park and Lakeshore Campground unique?
(check up to 5 choices)
Common Themes

- Loyal Base of Passionate Users
- Keep It Wilderness
- Upgrade Bathrooms & Roads
- Do Not Pave Pads
- We Come for the Beach
- Love to Camp on the Water
- Great Family Atmosphere
- Maintain Lake Views
- Need a Dog Beach
Survey Results
Website

WILDERNESS STATE PARK'S LAKESHORE CAMPGROUND

About / Maps / News / Photos / Public Input / Study / Testimonials

FACEBOOK

Lakeshore Campground at Wilderness State Park

LIKE 193

ABOUT

Lakeshore Campground at Wilderness State Park

903 Wilderness Park Drive
Carp Lake, MI 49718
(231) 436-5381
April 1st - December 1st

COMMENTS & FEEDBACK

We welcome your suggestions and feedback on this study and ask all to refrain from criticizing other people and/or their comments. Such posts will be removed.
Lori Taepke  May 16, 2013 at 5:21 pm ·   Reply →

Another suggestion. Seeing Wilderness has so much beach. I would really enjoy a no hook, no audio!, large secluded lots on a loop off on it’s own /beach. A place to do the real “camp” experience, where you can enjoy the sound of the waves, wildlife calling at night and the glow of a lantern. Just a dirt road, a water pump and an everlasting memory to share with your grand kids.
Facebook Page

Lakeshore Campground at Wilderness State Park
193 likes · 25 talking about this

Community
Come visit Lakeshore Campground located on the shoreline of one of Michigan’s most valuable resources - Lake Michigan!
Program Development & Schematic Design

- Off-Site Team Workshop
## Infrastructure

<table>
<thead>
<tr>
<th>Program Element</th>
<th>Existing</th>
<th>Users</th>
<th>Types and Quantities</th>
<th>Performance Standards</th>
<th>Patterns</th>
<th>Special Notes</th>
</tr>
</thead>
</table>
| Water Well               | • 6” Steel Casing Well within existing well house  
  • Galvanized Steel water main  
  • 4 jug fillers and service to three (3) water services to buildings | Campground Guests  
  Campground Employees | • Type II - 190 feet deep - 75 GPM  
  • Six (6) 119 pressure tanks  
  • Galvanized water main  
  • Jug fillers with fountains | (Quality of Elements Via Materials and/or Function)  
  • Good water quality - at maximum capacity during heavy use - no redundancy in system | (Physical Relationships)  
  Proximity  
  • Remote from Lakeshore Campground - good isolation distance for water quality  
  • Dead ends in system may compromise water quality | • Recommend to replace existing pump and tanks with VFD; replace existing water distribution network; and consider implementation of new VFD water well for redundancy |
| Sanitary Sewer Lift System | • Sanitary Lift Station & Treatment Plant | Campground Guests  
  Campground Employees | Two (2) wet well mounted  
  168,000 treatment capacity | System recently upgraded in 2001 - no capacity or performance issues noted |  
  • Cylindrical located within existing Lakeshore Campground.  
  Systems served must be in close proximity  
  • Depth of existing sump pit restricts distance the lift station can serve existing buildings | |
| Sanitation Station       | • One (1) sanitation station w/ one dump port, one (1) potable drinking water fill, and one (1) non-potable drinking fill | Campground Guests  
  Campground Employees |  
  | System inadequate to service more than users at a time.  
  Stacking distances a problem.  
  Proximity existing campsite a problem. | Close proximity to units 142 
  143  
  | Relocated facility is recommended to accommodate greater stacking distances and improved facilities for users | |
| Site Drainage            | • One (1) catch basin with drainage field.  
  Culverts & drainage swales | Campground  
  Campground Employees | See topographic survey | Site is poorly drained with significant ponding during & after rain events |  
  | Leaching basins interconnected with a subgrade drainage system is recommended | |
| ADA Compliance           | • Vertically in field. One (1) ADA picnic table observed | Campground Guests  
  Campground Employees  
  | 2% of campsites | Level site required | Close proximity to proposed facilities. Accessible route identified | |
| Pavement Systems         | • Existing 10 foot wide HMA paved road; sidewalks to existing buildings; paved parking | Campground Guests  
  Campground Employees  
<p>| See topographic survey | Poor site drainage is causing a deteriorated pavement condition; thickness of HMA is substandard; aggregate base needed |<br />
| 24’ TWO WAY PAVED ROAD |</p>
<table>
<thead>
<tr>
<th>Program Element</th>
<th>ITEM/ISSUE</th>
<th>Users</th>
<th>Types and Quantities</th>
<th>Performance Standards</th>
<th>Patterns</th>
<th>Special Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Electrical</strong></td>
<td>Electric Service</td>
<td>JLL</td>
<td>• 7200 volt utility owned distribution system.</td>
<td>(Quality of Elements Via Materials and/or Function)</td>
<td>Proximity</td>
<td>• New pad mounted transformers will be located by utility company as required to provide service to new park electric loads</td>
</tr>
<tr>
<td>Power</td>
<td>Distribution</td>
<td>Campground Guests</td>
<td>• Conveniences power</td>
<td>• Transformer by utility company</td>
<td>Locally as close to load as possible</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maintenance Staff</td>
<td></td>
<td>• Located at K.V. Campground location</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Facilities</td>
<td></td>
<td>• L.O. volt convenience power available at comfort station/rest rooms</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Pump Stations</td>
<td>• Typically circuit breaker type panels, U.S.A. M.A.R. outdoors, underground wiring in conduit</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>• N.E.C. Conformance, G.F.C.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Recreational Vehicle Power</strong></td>
<td>Building</td>
<td>Campground Guests</td>
<td>• L.O. volt, 30 amp and/or 50 amp</td>
<td>• Locally at K.V. Campground location</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Interior Lighting</strong></td>
<td>Selected locations</td>
<td>Campground Guests</td>
<td>• Compact fluorescent, linear fluorescent or LED sources.</td>
<td>• Daylight and occupancy sensors will be used to automatically control lights.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Exterior Lighting</strong></td>
<td>Selected locations</td>
<td>Campground Guests</td>
<td>• Compact fluorescent, linear fluorescent or LED sources.</td>
<td>• Exterior Lighting will conform with the Dark Sky Designation</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Telecommunications</strong></td>
<td>Telephone Service</td>
<td>Administrative Usage</td>
<td>• Solar powered bollards considered at remote (non-powered) locations.</td>
<td>• Upgrade being investigated</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Internet</strong></td>
<td>Satellite (currently)</td>
<td>Park Staff only</td>
<td>• Administration building</td>
<td>• Upgrade being investigated</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Wi-Fi</strong></td>
<td>Campground Guests</td>
<td>Campground Employees</td>
<td>• Exterior Wi-Fi hotspots at limited locations</td>
<td>• Internet Service Providers being investigated</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# Vehicular Circulation

<table>
<thead>
<tr>
<th>Program Element</th>
<th>Existing</th>
<th>Users</th>
<th>Types and Quantities</th>
<th>Performance Standards</th>
<th>Patterns</th>
<th>Special Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact Station</td>
<td>• 6 Parking Spaces &lt;br&gt; • 1 Accessible Parking Space &lt;br&gt; • +/- 340 L.F. Stacking Zone</td>
<td>• Campground Guests Check-In Point &lt;br&gt; • All Vehicles</td>
<td>• All Rec. Vehicle Types</td>
<td>• Opportunities for Secured Vehicle Parking &lt;br&gt; • Central to Campsites</td>
<td></td>
<td>• Additional Stacking Consideration</td>
</tr>
<tr>
<td>Campground Entry</td>
<td>• 1 Primary Access to Lakeshore Campground &lt;br&gt; • 1 Primary Access to The Pines &lt;br&gt; • 1 Primary Access to Day-Use Areas</td>
<td>• Campground Patrons &lt;br&gt; • Ranger Vehicles &lt;br&gt; • Service Vehicles &lt;br&gt; • Emergency Vehicles</td>
<td>• Paved Roadway</td>
<td>• Geometric Consideration For Large Vehicles &lt;br&gt; • Consider creating a four way stop &lt;br&gt; • Multiple Entry Points &lt;br&gt; • Limited Entry Points</td>
<td></td>
<td>• How can we integrate walkers and motor vehicles while keeping all users safe?</td>
</tr>
<tr>
<td>Sanitation Station</td>
<td>• Two Lanes &lt;br&gt; • Two Entrances and Exits</td>
<td>• RV’s / Campers &lt;br&gt; • Maintenance Vehicles</td>
<td>• Paved Roadway</td>
<td>• One Way &lt;br&gt; • Close to Pump Station &lt;br&gt; • Consider moving to the east of maintenance</td>
<td></td>
<td>• Needs to be conveniently located so it can be accessed by campers</td>
</tr>
<tr>
<td>Campground Roads</td>
<td>• 2 Existing Loops &lt;br&gt; (East and West Lakeshore)</td>
<td>• 10’ Wide</td>
<td></td>
<td>• Uneven, causes drainage issues &lt;br&gt; • Redesign turn radius to fit all vehicle types</td>
<td></td>
<td>• Consider Cut-Throughs &lt;br&gt; • Chip Seal Surface &lt;br&gt; • Use natural elements (boulders, vegetation, etc.) to prevent campers from entering prohibited areas &lt;br&gt; • How can we integrate walkers and motor vehicles while keeping all users safe?</td>
</tr>
</tbody>
</table>
# Pedestrian Circulation

<table>
<thead>
<tr>
<th>Program Element</th>
<th>Existing</th>
<th>Users</th>
<th>Types and Quantities</th>
<th>Performance Standards</th>
<th>Patterns</th>
<th>Special Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contact Station</td>
<td>1</td>
<td>All</td>
<td>Concrete</td>
<td>Entry(s)</td>
<td></td>
<td>How can we integrate walkers and motor vehicles while keeping all users safe?</td>
</tr>
<tr>
<td>Campground Entry</td>
<td></td>
<td>Campground Guests Campground Employees</td>
<td>Paved Road</td>
<td>Reinforced pavement for trash</td>
<td></td>
<td>Add a walkway for campers from The Pines to use when crossing to The Lakeshore Campground</td>
</tr>
<tr>
<td>Campgrounds</td>
<td></td>
<td>Campground Guests Campground Employees</td>
<td>Woodchip Pathways with Wooden Railings</td>
<td>ADA Add designated walkways</td>
<td></td>
<td>Add cut throughs so campers can avoid passing through other campsites to access the beach</td>
</tr>
<tr>
<td>Beachfront</td>
<td></td>
<td>All</td>
<td>The west and east beaches are sandy, but the Day Use beach is increasingly rocky as you progress farther east</td>
<td>Add designated walkways</td>
<td></td>
<td>Consider using a Brock Dock system which is more attractive than matted mats</td>
</tr>
<tr>
<td>Pinas Connectivity</td>
<td></td>
<td>Campground Guests Campground Employees</td>
<td>1 walking path near the west end of The Pines Campground Pinas Campers walk Swamp Line Road to go to the beach at The lakeshore Pinas Campground</td>
<td>Add designated walkways to the beachfront</td>
<td></td>
<td>Create accessible access points to the water’s edge (multiple access points at each campground)</td>
</tr>
</tbody>
</table>

PEDESTRIAN CIRCULATION
<table>
<thead>
<tr>
<th>Program Element</th>
<th>Existing</th>
<th>Users</th>
<th>Types and Quantities</th>
<th>Performance Standards</th>
<th>Patterns</th>
<th>Special Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Campground Guests</td>
<td>• 1 Large Kiosk</td>
<td></td>
<td>Place on new designated beach trails / boardwalks</td>
<td>Consider redesigning with unifying elements</td>
</tr>
<tr>
<td>Beach Signs</td>
<td>Beach Kiosk</td>
<td>Campground Guests</td>
<td>• Metal Post Signs</td>
<td></td>
<td></td>
<td>Use DNR standards</td>
</tr>
<tr>
<td></td>
<td>Closed Signs</td>
<td>Campground Guests</td>
<td>• Wooden Post Signs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Flag Signal System</td>
<td>Campground Guests</td>
<td>• Wayfinding Signs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Campground Guests</td>
<td>• Emergency Vehicles</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>To Amphitheater</td>
<td>Campground Guests</td>
<td>• Individual Large Wooden Signs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>To Drinking Water</td>
<td>Campground Guests</td>
<td>• DNR Style Wayfinding Signs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>To Campsites</td>
<td>Campground Guests</td>
<td>• Individual Large Wooden Signs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wayfinding Signs</td>
<td>Campground Guests</td>
<td>• Metal Signs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Campsite Number Signs</td>
<td>Campground Guests</td>
<td>• Wooden Signs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Headquarters Sign</td>
<td>Campground Guests</td>
<td>• Metal Signs</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Recycling Sign</td>
<td>Campground Guests</td>
<td>• Wooden Signs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Garden Sign</td>
<td>Campground Guests</td>
<td>• Metal Signs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rule Signs</td>
<td>Campground Guests</td>
<td>• Wooden Signs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>No Parking</td>
<td>Campground Guests</td>
<td>• Paper Signs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Drinking Fountain</td>
<td>Campground Guests</td>
<td>• Metal Signs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>No Bikes</td>
<td>Campground Guests</td>
<td>• Wooden Signs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>No Washing Clothes / Dishes</td>
<td>Campground Guests</td>
<td>• Paper Signs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>No Glass or Animals</td>
<td>Campground Guests</td>
<td>• Metal Signs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Recreation Passport / Dogs</td>
<td>Campground Guests</td>
<td>• Wooden Signs</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Traffic Signs</td>
<td>Campground Guests</td>
<td>• Sandwich Board</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>5 MPH</td>
<td>Campground Guests</td>
<td>• Metal Sign</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td>Slow</td>
<td>Campground Guests</td>
<td>• Wooden Signs</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Traffic Signs</td>
<td>Campground Guests</td>
<td>• Metal Sign</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>10K Finish</td>
<td>Campground Guests</td>
<td>• Wooden Signs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Trail Map</td>
<td>Campground Guests</td>
<td>• Metal Signs</td>
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<td>Recreation Passport / Dogs</td>
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<td>Off duty Sign</td>
<td>Campground Guests</td>
<td>• Wooden Signs</td>
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# Amenities

<table>
<thead>
<tr>
<th>Program Element</th>
<th>Existing</th>
<th>Users</th>
<th>Types and Quantities</th>
<th>Performance Standards</th>
<th>Patterns</th>
<th>Special Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bike Racks</td>
<td>• 1 at Contact Station</td>
<td>• Campground Bikers</td>
<td>• 1 Metal Portable Bike Rack</td>
<td>(Quality of Elements Via Materials and/or Function)</td>
<td>• Consider Multiple Locations.</td>
<td></td>
</tr>
<tr>
<td>Picnic Areas (Picnic Tables) (Beachfront)</td>
<td></td>
<td>• All</td>
<td></td>
<td>(Physical Relationships)</td>
<td>• Place on beachfront</td>
<td>• Consider adding shade elements so users can escape the sun</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Proximity</td>
<td>• Large Group Picnic Table</td>
<td>• Good location for parents to sit while still being able to watch their children</td>
</tr>
<tr>
<td>Kayak / Canoe Racks (Beachfront)</td>
<td></td>
<td>• All</td>
<td></td>
<td></td>
<td>• Consider placing at trail entries to the beach</td>
<td></td>
</tr>
<tr>
<td>Fire Pits</td>
<td>• All</td>
<td></td>
<td></td>
<td></td>
<td>• Place in the central core</td>
<td></td>
</tr>
<tr>
<td>Benches</td>
<td>• All</td>
<td></td>
<td></td>
<td></td>
<td>• Place in the core and on the beach</td>
<td></td>
</tr>
<tr>
<td>Fleed Board Games</td>
<td>• All</td>
<td></td>
<td></td>
<td></td>
<td>• Place in the central core</td>
<td></td>
</tr>
<tr>
<td>Dog Park</td>
<td>• Pet Owners</td>
<td></td>
<td></td>
<td></td>
<td>• Consider placing the dog area off of the beach</td>
<td>• Consider creating specific locations for dogs to be located</td>
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<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td>• Consider using a dog run instead of dog friendly campfires</td>
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# Alternative Campsites

<table>
<thead>
<tr>
<th>Program Element</th>
<th>Existing</th>
<th>Users</th>
<th>Types and Quantities</th>
<th>Performance Standards</th>
<th>Patterns</th>
<th>Special Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group Camping</td>
<td>• Any group of 5 or more campers</td>
<td>• Large groups of campground guests</td>
<td></td>
<td>(Quality of Elements Via Materials and/or Function)</td>
<td>(Physical Relationships) Proximity</td>
<td>• Consider separating group campers from the other campground users • A large group could consist of up to 50 campers • Groups are made up of no less than 5 campers</td>
</tr>
<tr>
<td>Walk-In Sites</td>
<td>• All sites</td>
<td>• Campground Guests</td>
<td>• Tents • Yurts • Decks</td>
<td></td>
<td></td>
<td>• Consider placing where Day-Use area is currently located • Consider placing in a more remote and isolated area</td>
</tr>
<tr>
<td>Tent</td>
<td>• All sites</td>
<td>• Campground Guests</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dog Sites</td>
<td>• All sites</td>
<td>• Campground Guests with Dogs</td>
<td></td>
<td></td>
<td></td>
<td>• Consider dog friendly sites separated from other campers</td>
</tr>
<tr>
<td>Cabins</td>
<td>• All sites</td>
<td>• Campground Guests</td>
<td></td>
<td></td>
<td></td>
<td>• Consider using mini-cabins</td>
</tr>
</tbody>
</table>

**Old School / New School**
Pond / Stream / Beach Picnic Area

**Site Relationships**
Camper Accessories
• Boat Trailers
• Eating Tables
• Awnings
• Floats
• Kayaks
• Etc.
Existing Conditions Overview

West Lakeshore Campground
- 75 Campsites

East Lakeshore Campground
- 75 Campsites

The Pines Campground
- 100 Campsites

Day-Use Area

Supervisors Residence

Headquarters

Contact Station

Sanitation Station

Maintenance
Key Redevelopment Objectives

- Keep It “Wilderness”
- Keep East & West Lakeshore Campsites Familiar
- Maximize Use of Existing Infrastructure
- Design For Current and Future Campers
- Develop Alternative Camping Opportunities (New Clientele and Revenue Generators)
- Balance Public & Client Input with DNR Objectives
- Embrace Environmental Stewardship & Green Initiatives
- Consider Design Details Unique to Wilderness State Park
- Design for Phasing & Consideration of Redevelopment Funding Availability
Concept Study A
Concept Study B
Concept Study H

**CAMPSITE SUMMARY**

<table>
<thead>
<tr>
<th>Campsite Type</th>
<th>Sites</th>
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<tr>
<td>West Lakeshore</td>
<td>68</td>
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<tr>
<td>East Lakeshore</td>
<td>81</td>
</tr>
<tr>
<td>Core (Mini / Group)</td>
<td>10</td>
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<tr>
<td>Tents</td>
<td>14</td>
</tr>
<tr>
<td>Bluffs</td>
<td>20</td>
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<tr>
<td>Walk - INS</td>
<td>14</td>
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</tbody>
</table>

**Total = 275**

**Net Gain = 75 Campsites**
Organizational Diagram

Pedestrian Nodes
Beaches
Camping Areas
Access to Campground Core
Campground Core
Pedestrian & Vehicular Circulation
West Lakeshore Campground

Existing 75 Sites
Proposed 69 Sites
• 2 Mini Cabins
• Exterior 60 Degree Back-In Sites
• Interior 90 Degree Sites
• Campsites Backing to Playground

Controlled Beach Access Points

Pedestrian Zone
• Play Area
• Recreation Area
East lakeshore Campground

Existing 75 Sites
Proposed 62 Sites
- Exterior 60 Degree Back-In Sites
- Interior 90 Degree Sites
Contact Station Repurposed
Group Campground
Campground Core
Nature Based Playground

- Upper Play Area Boundary Fence
- Log Climbing Area
- Prints of Cougar Chasing Deer
- Seating Area
- Sleeping Limbs
Informational Kiosk
Alternative Campground A
The Bluffs Campground

20 Back-In Sites
• Accommodate Larger Campers & Trailers
Alternative Campground B
Contact Station

- Improved Stacking Distance
- Partial Utilization of Day-Use Road Clearing
- Higher Quality Entry Experience
  - Entry At Creek Crossing
  - High Quality Cedar Trees
- Bathrooms Integrated with Contact Station for Walk-In Sites

Relocated Big Stone Trail Access
Relocated Sanitation Station

- Relocated South & East (Not Adjacent to Campsites)
- Improved Stacking
- Additional Cleanout / Water Fill Stations
- New Infrastructure
Environmental Restoration / Preservation
Site Amenities

- Kayak / Paddleboard Storage
- Controlled Beach Access Points
- Foot Washes
- Dog Park
- Improved Signage System
Wilderness Signage
Next Steps / Timeline

• 2013 Camping Season
  • Share Redevelopment Plan with Users and Public
    • On Website
    • At Campground
  • Collect User / Public Comments
• Concept Plan Refinement
• Design Development
Discussion