



landscape architecture
planning
urban design
civil engineering
environmental science

Saugatuck, L.L.C.

Saugatuck, MI

Planning Commission Meeting
May 24, 2007

Review

Site Systems Approach and Process

At our last meeting...



Dunes and Slopes - South

Preliminary Flora and Fauna - South

Viewshed Analysis - South

Floodplains - South

Existing Utilities

Project Research Continued

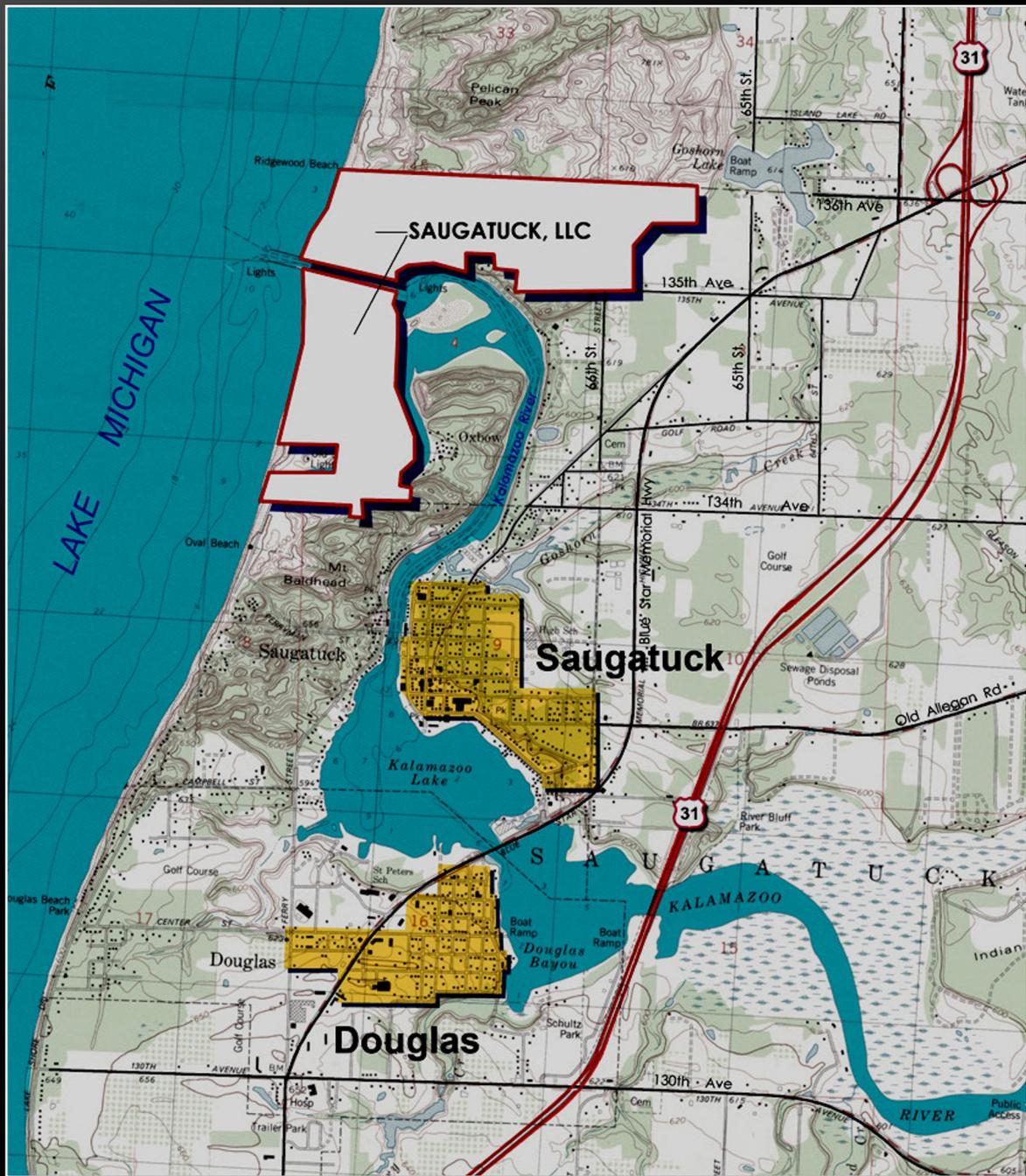


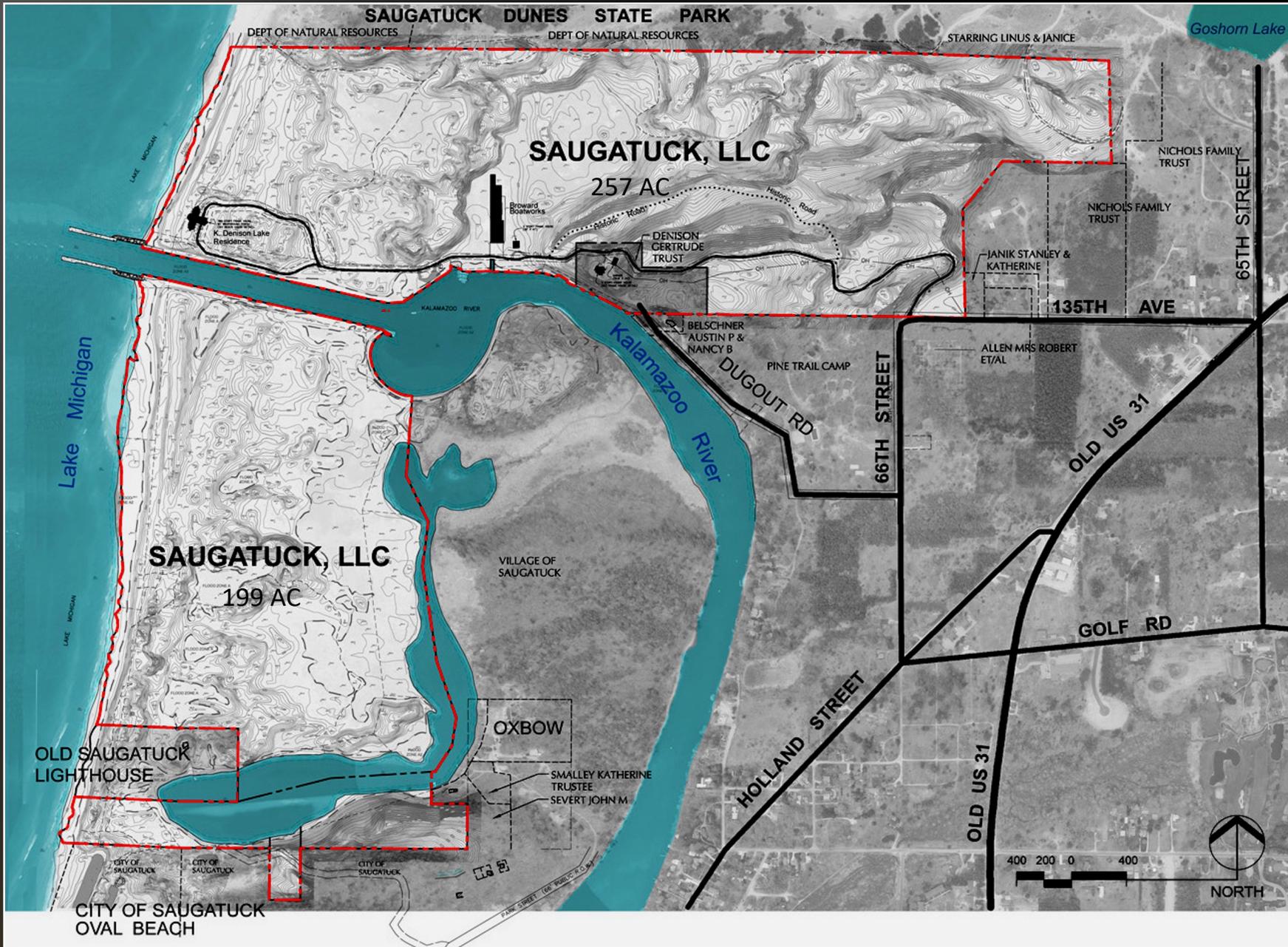
Revised Dunes and Slopes - South

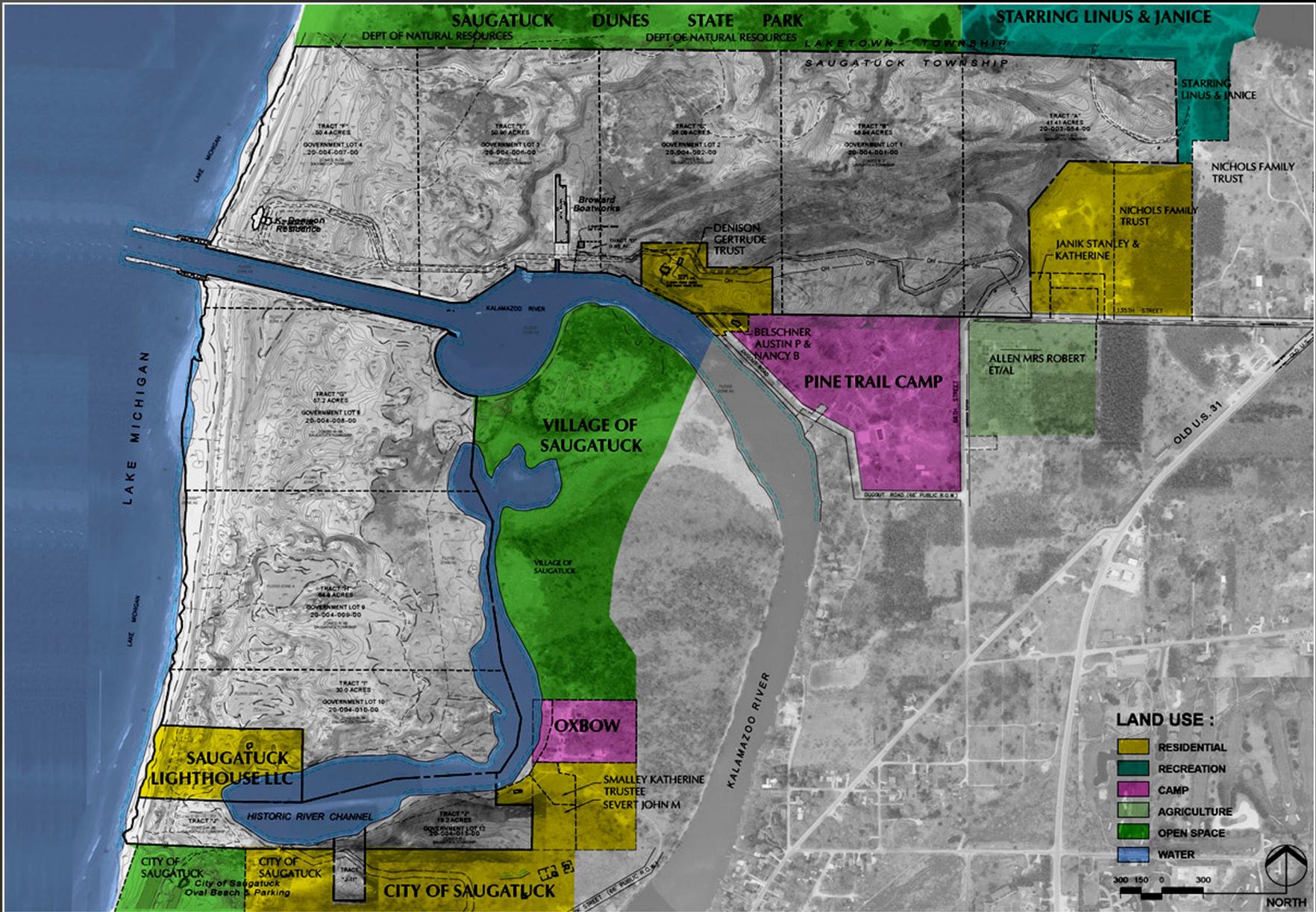
Revised Flora and Fauna - South

Site's Special Plants and Animals

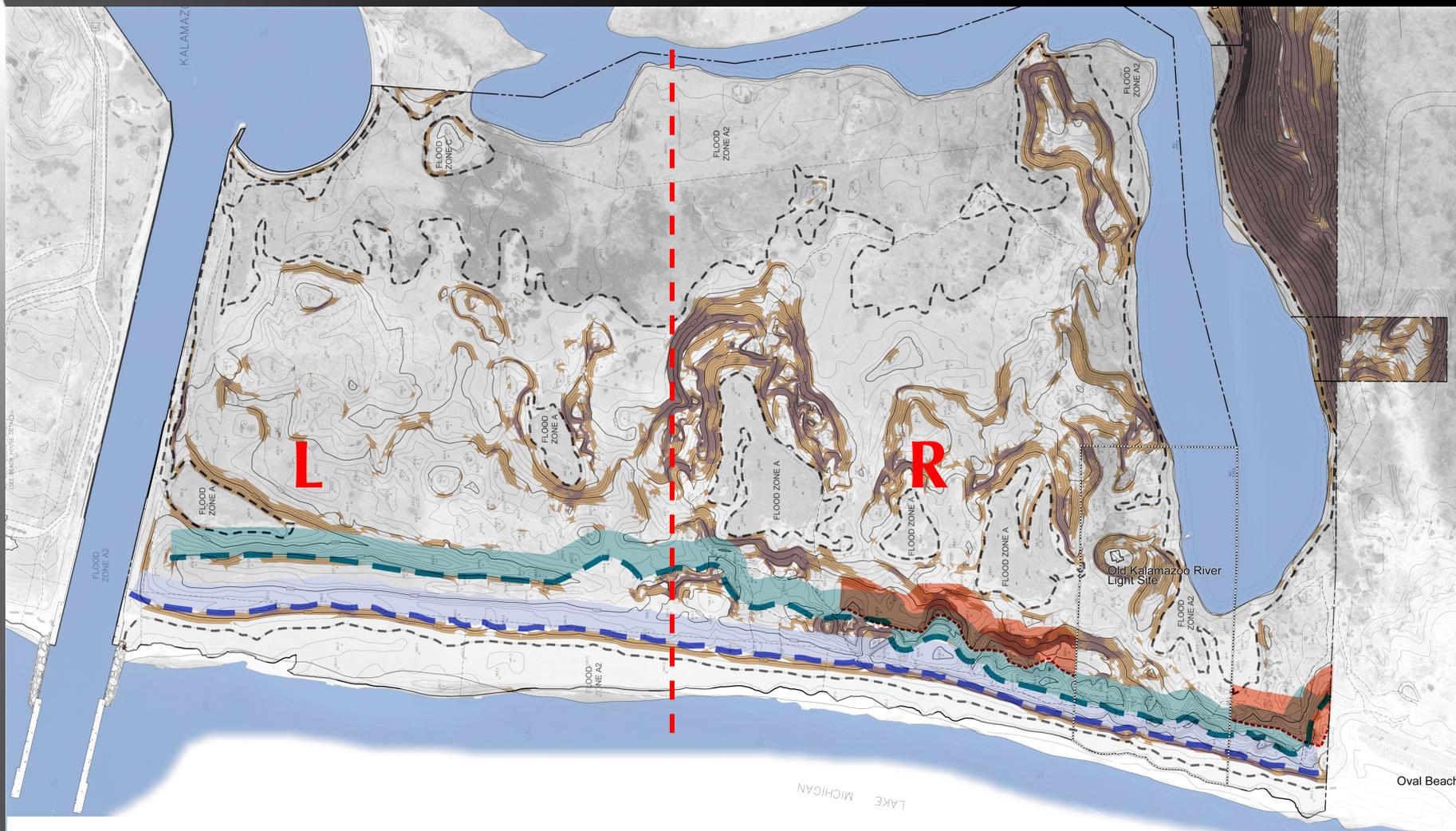
Buildable Zones







Revised Dunes & Steep Slopes

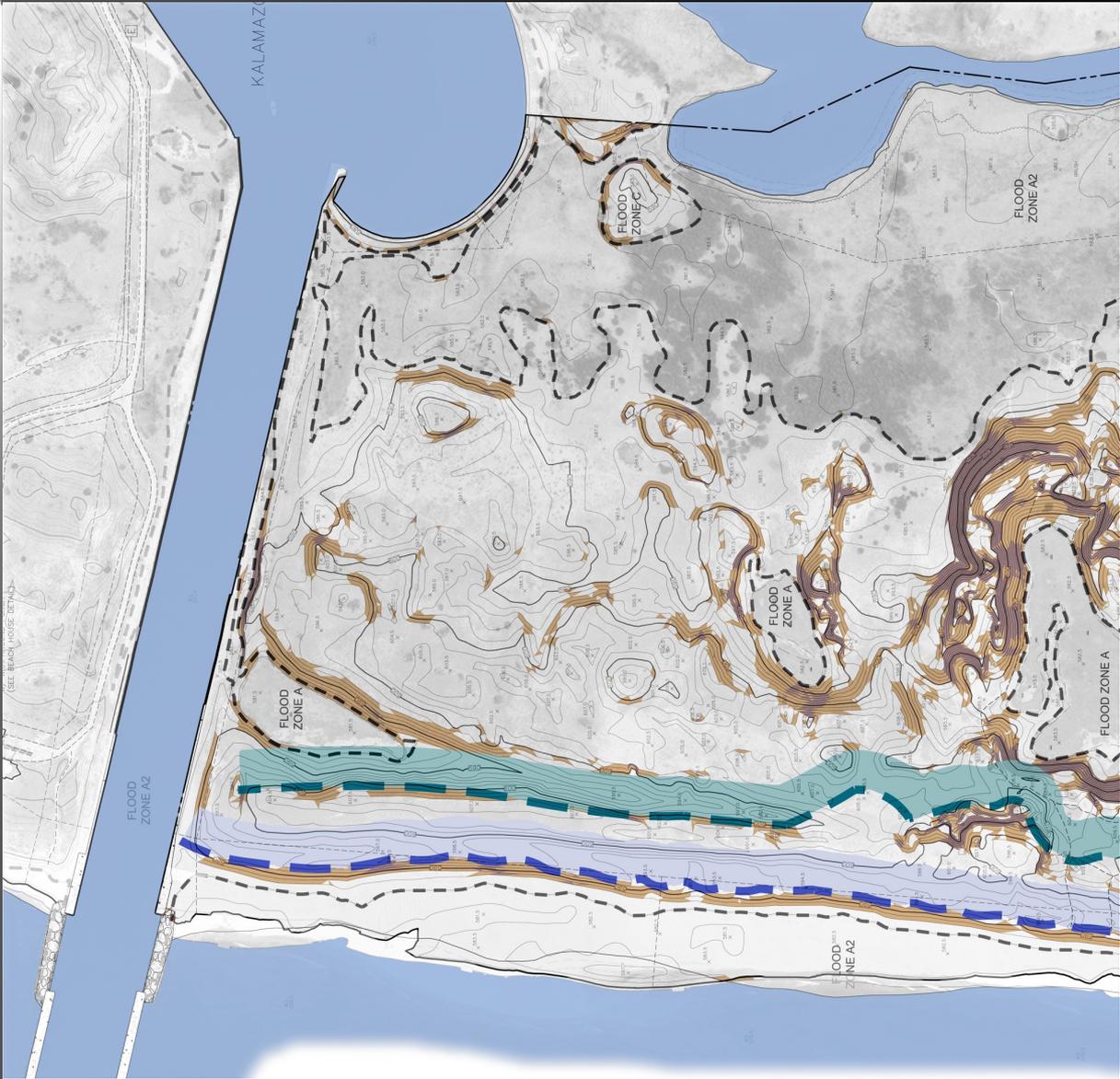


> 33% SLOPES
 18-33% SLOPES

SAUGATUCK TOWNSHIP REGULATED DUNE LINE WITH 100' SETBACK
 MICHIGAN STATE REGULATED DUNE LINE WITH 100' SETBACK

MDEQ EROSION HAZARD LINE
 MDEQ HIGH RISK EROSION 60 YR. SETBACK (115 FT)

Revised Dunes & Steep Slopes

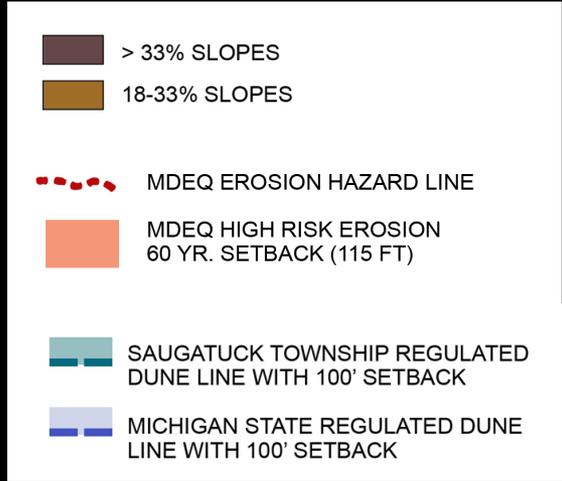
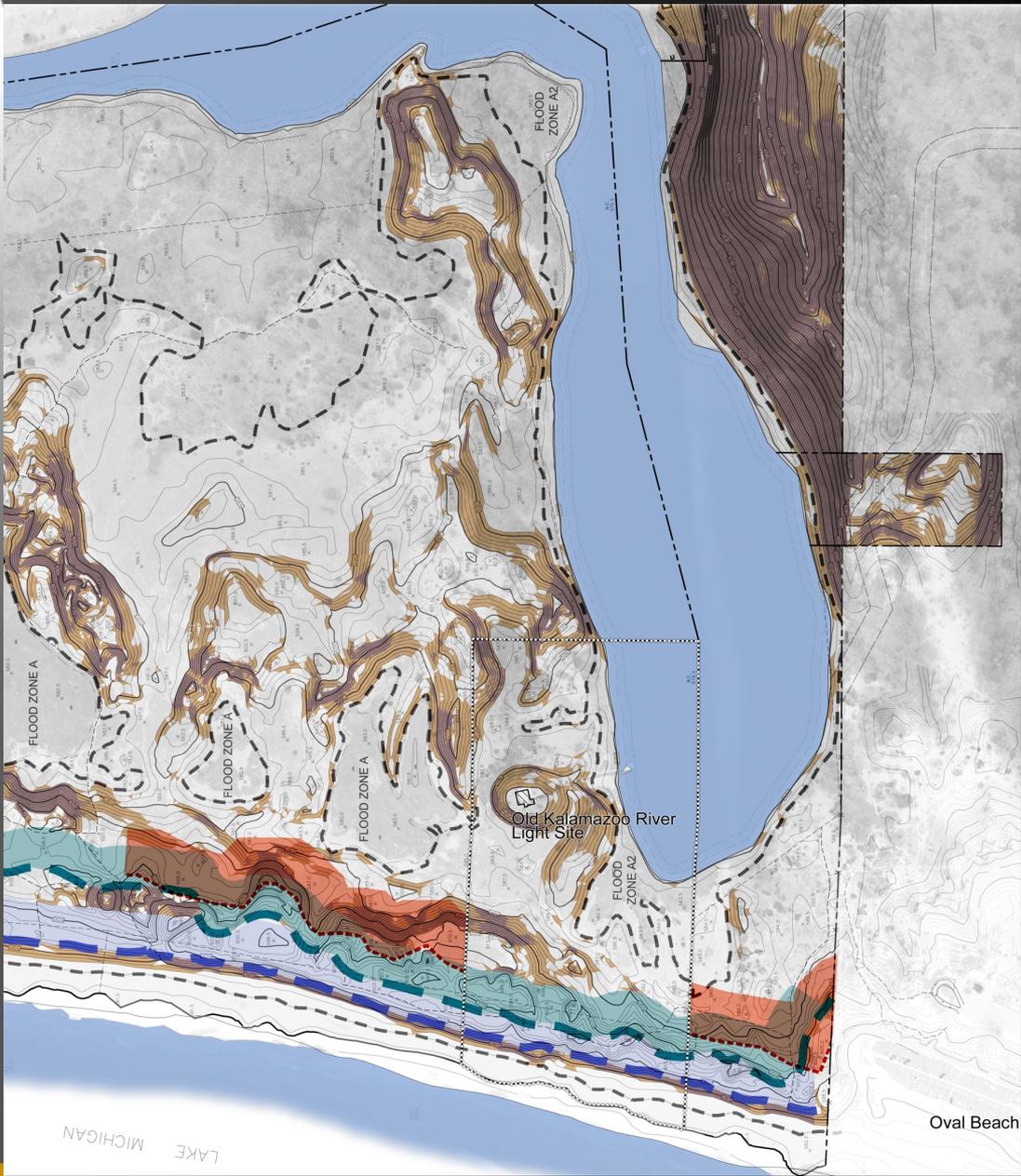


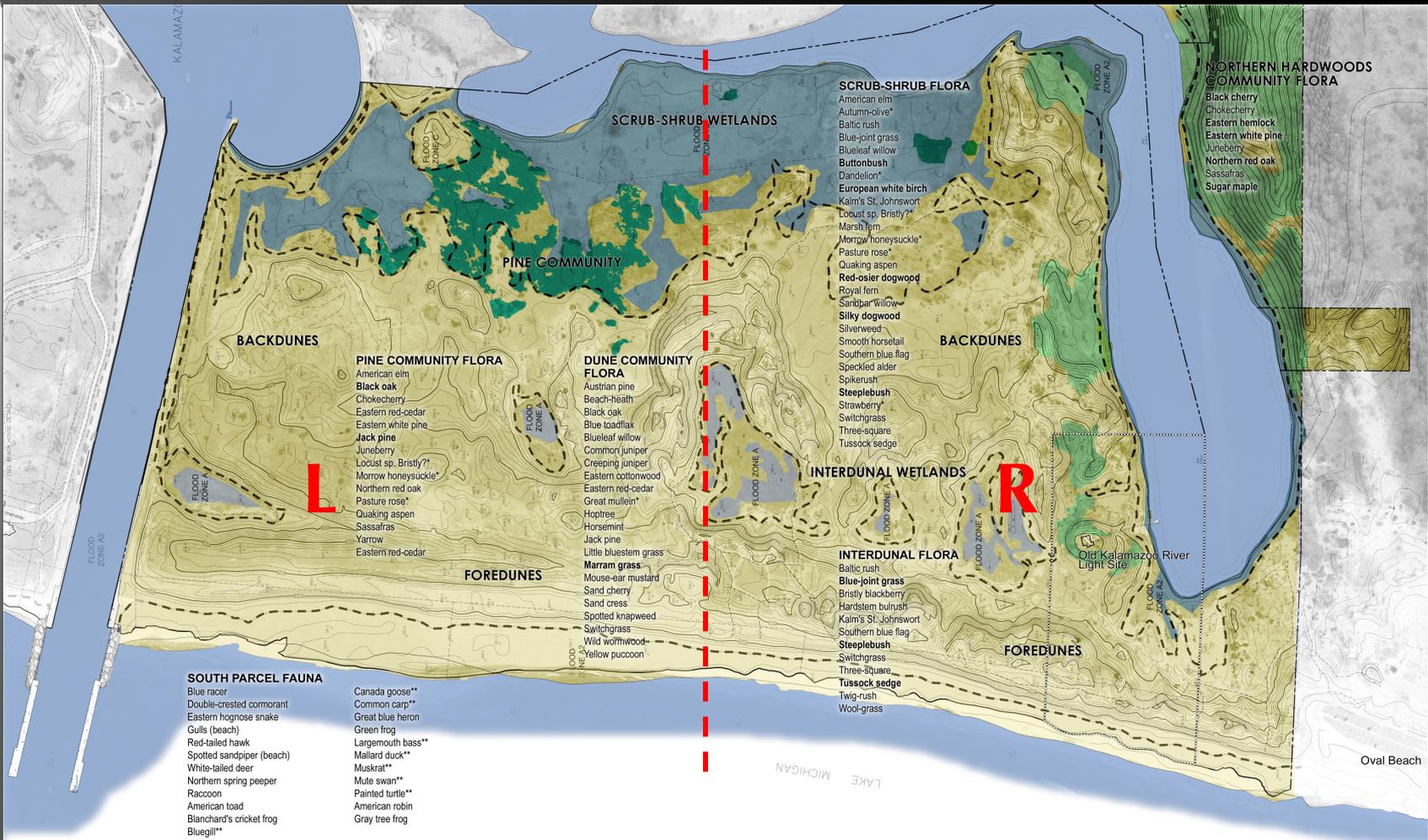
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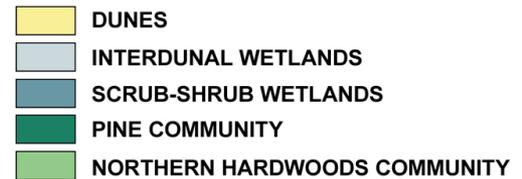
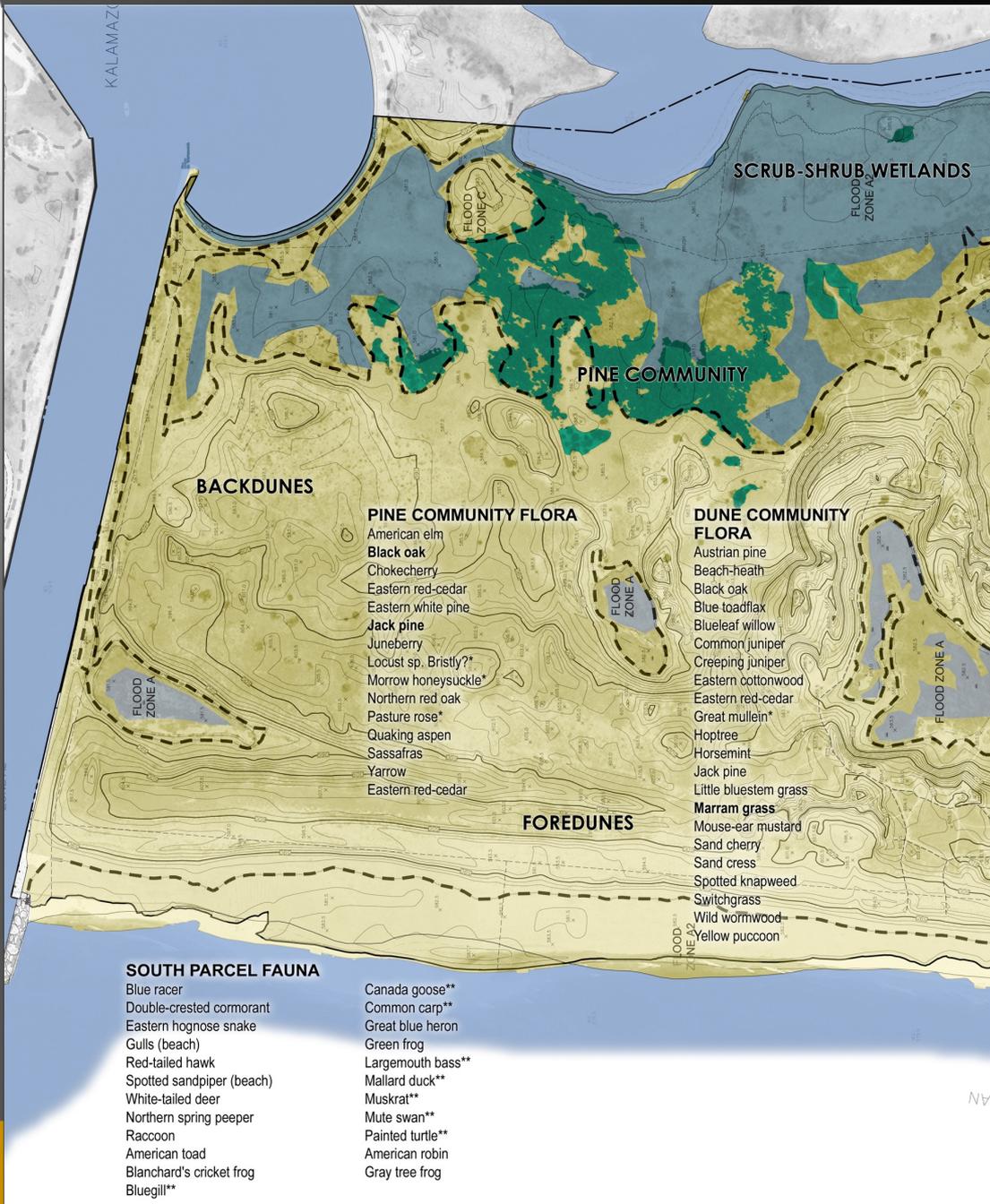
- SAUGATUCK TOWNSHIP REGULATED DUNE LINE WITH 100' SETBACK
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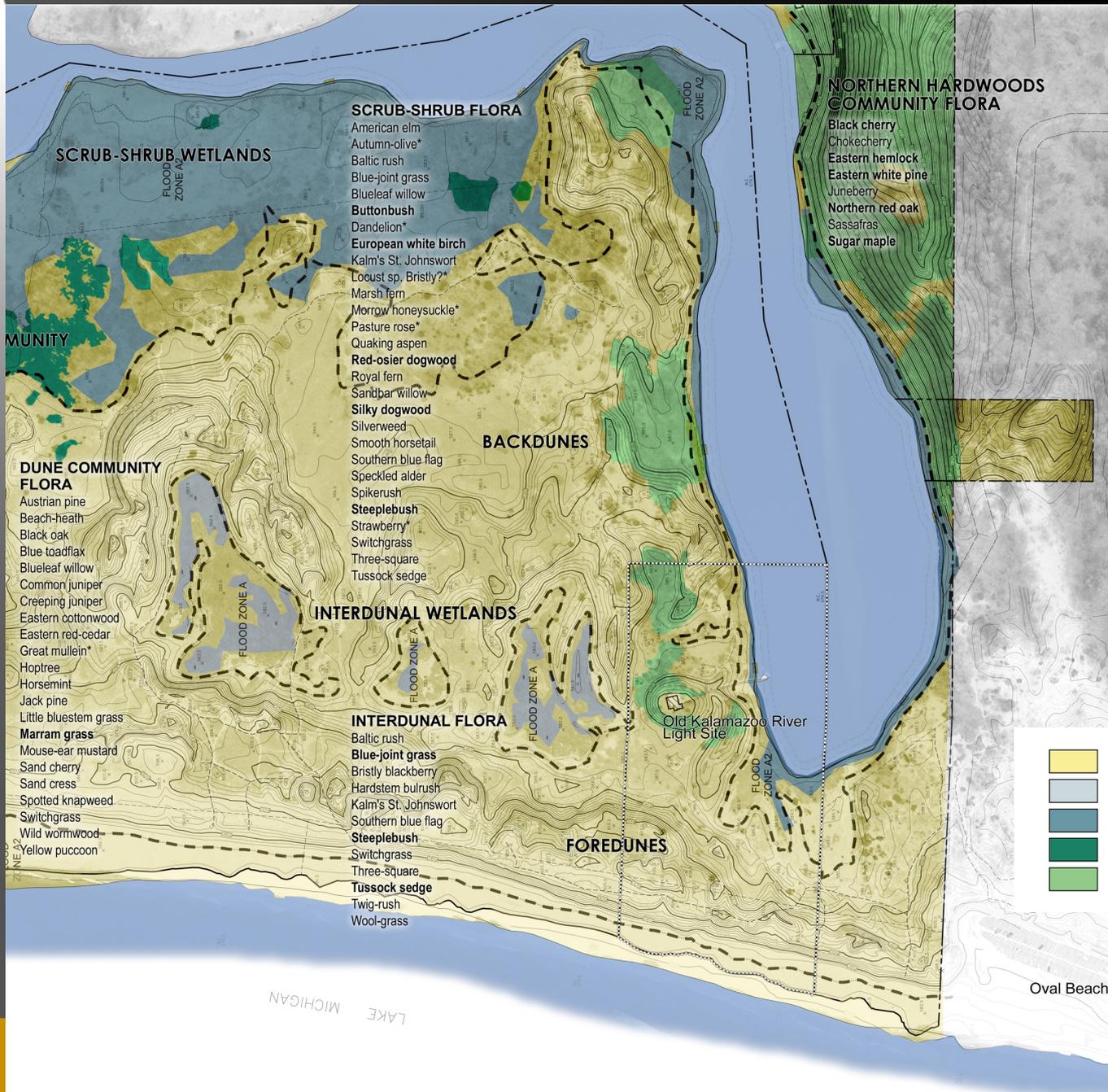
Left

Revised Dunes & Steep Slopes









SCRUB-SHRUB FLORA

- American elm
- Autumn-olive*
- Baltic rush
- Blue-joint grass
- Blueleaf willow
- Buttonbush
- Dandelion*
- European white birch
- Kalm's St. Johnswort
- Locust sp. Bristly?*
- Marsh Fern
- Morrow honeysuckle*
- Pasture rose*
- Quaking aspen
- Red-osier dogwood**
- Royal fern
- Santibar willow
- Silky dogwood**
- Silverweed
- Smooth horsetail
- Southern blue flag
- Speckled alder
- Spikenush
- Steeplebush**
- Strawberry*
- Switchgrass
- Three-square
- Tussock sedge

NORTHERN HARDWOODS COMMUNITY FLORA

- Black cherry
- Chokecherry
- Eastern hemlock
- Eastern white pine
- Juneberry
- Northern red oak
- Sassafras
- Sugar maple

DUNE COMMUNITY FLORA

- Austrian pine
- Beach-heath
- Black oak
- Blue toadflax
- Blueleaf willow
- Common juniper
- Creeping juniper
- Eastern cottonwood
- Eastern red-cedar
- Great mullein*
- Hoptree
- Horsemint
- Jack pine
- Little bluestem grass
- Marram grass**
- Mouse-ear mustard
- Sand cherry
- Sand cress
- Spotted knapweed
- Switchgrass
- Wild wormwood
- Yellow puccoon

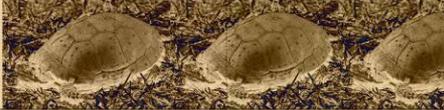
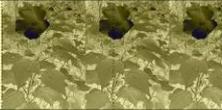
INTERDUNAL WETLANDS

INTERDUNAL FLORA

- Baltic rush
- Blue-joint grass**
- Bristly blackberry
- Hardstem bulrush
- Kalm's St. Johnswort
- Southern blue flag
- Steeplebush**
- Switchgrass
- Three-square
- Tussock sedge**
- Twig-rush
- Wool-grass

	DUNES
	INTERDUNAL WETLANDS
	SCRUB-SHRUB WETLANDS
	PINE COMMUNITY
	NORTHERN HARDWOODS COMMUNITY

MI Special Plants and Animals

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
E	<i>Dendroica discolor</i> Prairie Warbler 												
T	<i>Cirsium pitcheri</i> Pitcher's Thistle 												
T	<i>Clemmys guttata</i> Spotted Turtle 												
T	<i>Utricularia subulata</i> Zigzag Bladderwort 												
T	<i>Panax quiquefolius</i> Ginseng 												
SC	<i>Hibiscus moscheutos</i> Swamp Rose-mallow 												
SC	<i>Acris crepitans blanchardi</i> Blanchard's Cricket Frog 												
SC	<i>Rhexia virginica</i> Meadow-beauty 												
SC	<i>Strophostyles helvula</i> Trailing Wild Bean 												
SC	<i>Sistrurus catenatus catenatus</i> Eastern Massasauga 												
SC	<i>Dendroica cerulea</i> Cerulean Warbler 												

E = ENDANGERED

T = THREATENED

SC = SPECIAL CONCERN



Photo by Thomas R. Johnson

Acris crepitans blanchardi
Blanchard's Cricket Frog

SC



Although the species is listed only as special concern, the Blanchard's cricket frog is protected in Michigan under the Director's Order No. DFI-166.98, Regulations on the Take of Reptiles and Amphibians, which is administered by the Michigan Department of Natural Resources, Bureau of Fisheries.



Males heard calling along the edges of Oxbow Lake earlier this month.

North Parcel Buildable Zones



South Parcel Buildable Zones



Oval Beach

Thanks!