

Improving Water Quality of Lakes and Streams with Local Zoning Ordinances

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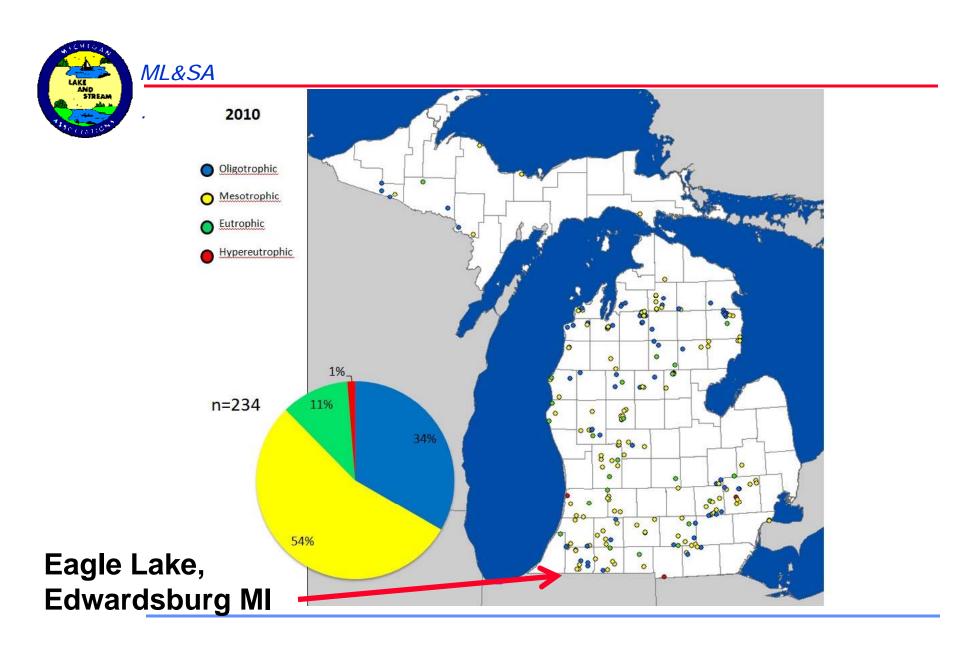
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MNSP Home Owner Workshop Instructor





OUR APPROACH:

- Review of What Michigan Does NOT Have
- Overview of Planning and Zoning in Michigan
- Review of Lake Friendly Zoning Ordinances & "Tools"
- Q & A Time

DESIRED RESULT: Ability to review, act on, and IMPACT local Zoning Ordinances and Master Plans.



WISCONSIN -

- Wisc Admin Code NR115 / S59.692. Essentially "Shore-land Zoning" State-wide, minus some cities
- Initial 40 yrs. Ago, Revised 2009.
- Have Until 2014 to meet new requirements e.g. 75 Set back, if expand must "Off-set Impacts" Caps on Impervious % (30%), 10,000/20,000 sq ft min Lot Size



MINNESOTA -

- Shore land Management Program (Minnesota Rules 6120.2500 – 3900)
- State-wide Standards Local Governments MUST adopt for the Protection and Orderly Development of Shore lands (Lake, River, Stream) (Natural Env, General Waters) (80,000/20,000 sqft,, 200ft lot width)
- Considering Possible Property Tax Incentives for Undeveloped and Restored Shore land (FOCUS: 1000 ft of HWM)



WASHINGTON STATE-

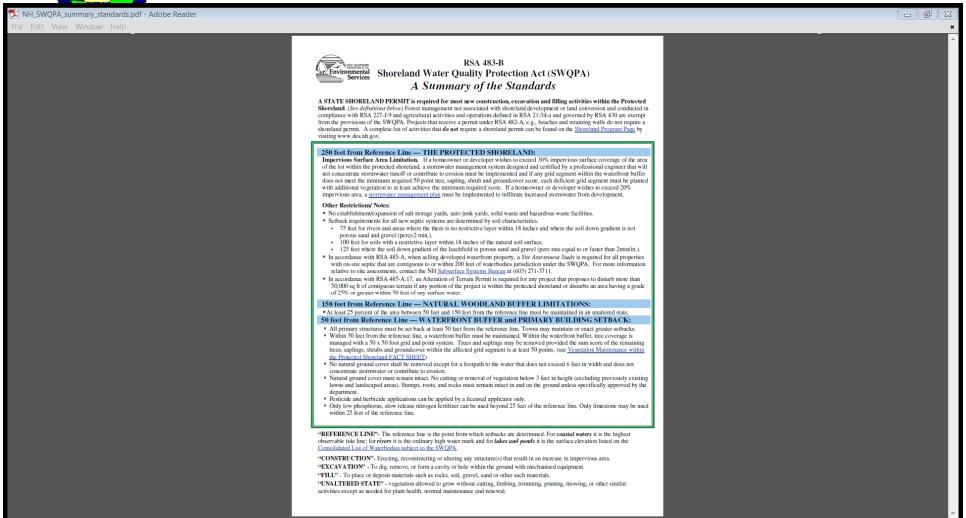
- Shoreline Management Act, passed by WA Legislature 1971, adopted by Voters 1972.
- Requires Cities and Counties to adopt Shoreline Management Plans (SMP) in accord with State Reqs.
- Department of Ecology "Approval" ****
- Designates Shorelines of "State-wide Significance"
- WA "Shoreline Management Handbook" (Big, WOW!)



NEW HAMPSHIRE-

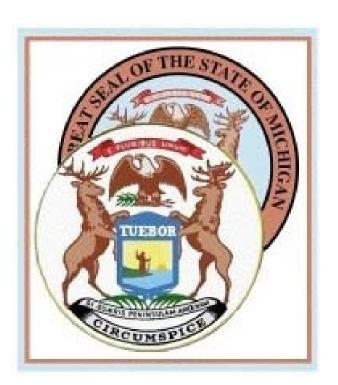
- Shore land Water Quality Protection Act 1991
- 250,150, 50 Ft "Areas of Control" from Reference Line
- Provides for Tree Coverage, Undisturbed "stumps", no cutting lower than 3 ft in many areas, foot path to water no wider than 6ft.
- Easy to Use, 1 page "Summary of Standards"













When passed in 1787, the <u>Northwest Ordinance</u> showed the influence of T. Jefferson. It called for dividing the territory into gridded <u>townships</u>, so that once the lands were surveyed, they could be sold to individuals and speculative land companies.

The State has delegated "considerable" (but not all) Authority/Powers first to Townships, but to Counties <u>ONLY IF</u> the Townships do not Exercise their RIGHT of Authority.



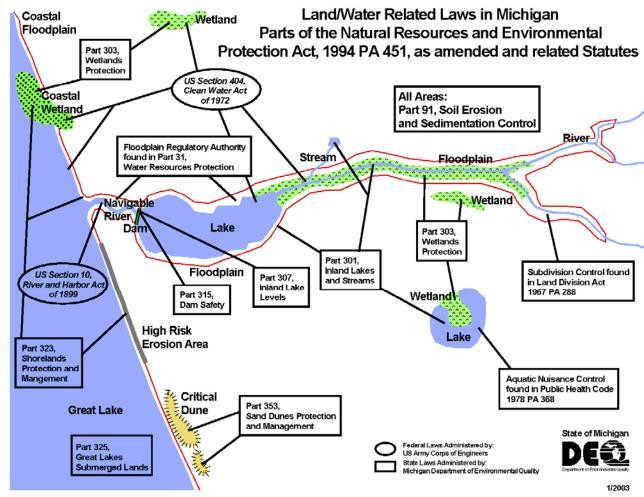
As a Result:

83..... Counties 533.....Cities/Villages 1,242... Townships

1,858 Units of Government for Local Planning & Zoning



ML&SA





What this shows About Michigan ??

... MAYBE A Strong Aversion to "One-Size-Fits-All" Solutions from/by the State Level...?

Notable Exceptions (only after a Plethora of Local Rules):

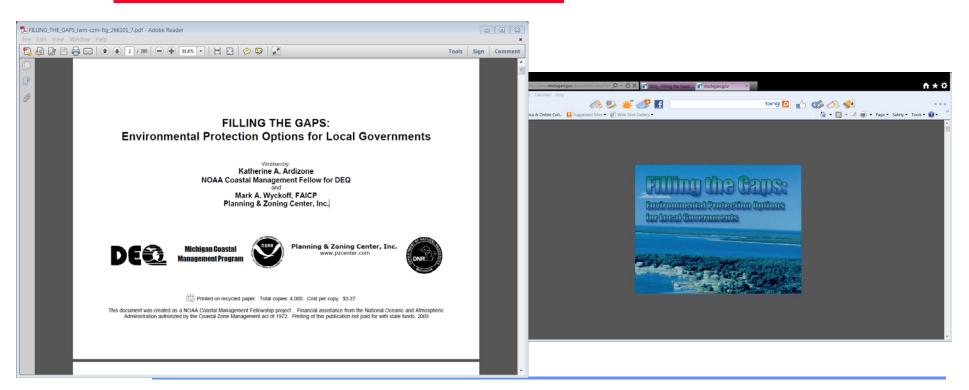
- Phosphorus Fertilizer Regulation (2011)
- Activities at Inland Lake Private Road Ends (Gov. Signed 2012)
- PART 414 AQUATIC INVASIVE SPECIES Advisory Council(2011)



FILLING THE GAPS, 2003 Edition

http://www.michigan.gov/deq/0,4561,7-135-

3313 3677 3696-73358--,00.html on COASTAL PAGE





WISDOM from the PAST.....

• "...The single BEST TOOL available to PROTECT inland lakes, streams, rivers, and watersheds IN Michigan, IMHO, is LOCAL MUNICIPAL ZONING..."

- •"...ZONING has huge implications for lakes and watersheds, and RIPARIANS who ignore becoming involved in local zoning decisions do so at their own risk...."
- --- Cliff Bloom, RIPARIAN MAGAZINE, Aug. 2002



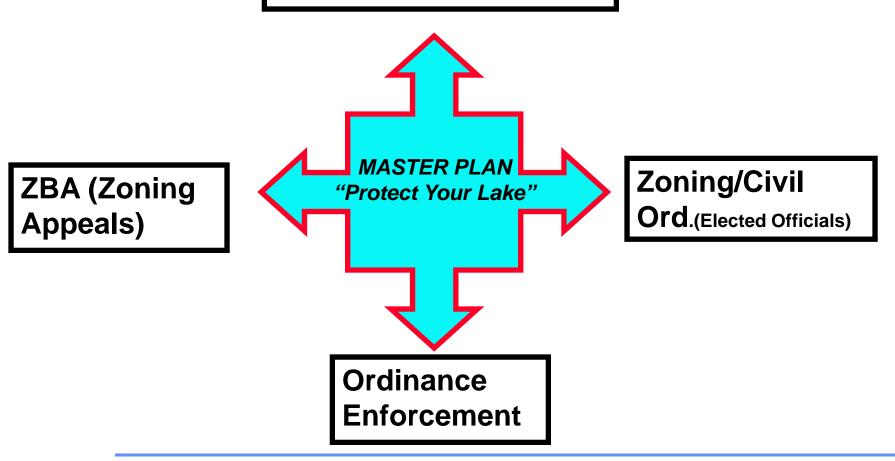
WISDOM from the PAST.....

Sir Isaac Newton....before his death, Isaac Newton (1642-1727) is supposed to have remarked,

"...I don't know what I may seem to the world, but as to myself, I seem to have been only like a boy playing on the sea-shore and diverting myself in now and then finding a smoother pebble or a prettier shell than ordinary, whilst the great ocean of truth lay all undiscovered before me."



Planning Commission





THE MASTER/FUTURE LAND USE PLAN...

- Master Plan, Review/Update Every 5 years
- All Zoning Ordinances and Special Uses "FLOW From"
- Controls Zoning Districts, Permitted & Special Uses
- Covers the "WHAT" of Development: Uses & Structures
- For "Oversight" of Land & Water, it should be in the Plan



THE PLANNING COMMISION...

- Composed of "Representative Interests"
- Appointed by Supervisor/Village Chair, Confirm Vote
- Master Plan, Every 5 years
- Initiates All Zoning Ordinances and Reviews Special Uses, Recommends "Capital" Improvements
- Should Act Independently, 3 yr Term unless Malfeasance, Misfeasance, Non-feasance



THE ZONING & MUNICIPAL ORDINANCES...

- Based on Master Plan, "NUISANCE LAW"
- Are the "HOW" of a Master Plan
- Control Permitted Uses, Special Uses, Misc
- Controls Zoning Districts/ Overlays
- Zoning Ordinances Regulate Structures/Land Uses
- *Civil/Municipal Ords.* Generally Regulate "Behavior" not a Function of Planning Com. (Police Power)
- •Key Principle for justification of any Ordinance: "Health, Safety & General Welfare..."



THE "ENFORCEMENT PROCESS" ...

- Ordinance Enforcement Officer Upholds ordinance integrity
- Criminal or Civil Infractions? Different Approach
- Many Times "Costly" and Issues of "Will/Skill"
- Failure to ENFORCE is a Major Concern



THE "ZBA" ...

- Upholds/Interprets ordinances Quasi Judicial at Local Area
- Variances Granted under strict Exceptional Criteria
- Dimensional Variance ONLY ???
- Limited Municipalities have USE Variance Authority
- Should 90% of Variance Be Denied?
- Grant Variance or Modify the Zoning Ordinance?
- Decisions can be APPEALED to Circuit Court





Planning Commission



ZBA (Zoning Appeals)

Zoning/Civil Ord.(Elected Officials)



Ordinance Enforcement



HOW DOES YOUR ZONING ORDINANCE DEAL WITH...?

- "View" Preservation, Setbacks & Structure Height
- Storm Water & Development/Structure Run-off
- Buffer Area, Impervious Surfaces (Coverage%), Natural Shorelines
- Wetland Preservation
- Geothermal Issues
- Pier length / location /number
- "Weeds" (Nuisance) vs. Native Plants, and Height
- Anti-Funneling / Anti-Key Holing

HOW DOES YOUR ZONING ORDINANCE DEAL WITH (more)...?

- Motor Boat Operations speeds / hours/ issues?
- Docks at Public Access Points
- Public Road Ends/Walkways
- Leaves / Burning near Water Resourcea
- Low Impact Design (LID/LEED) Feature Requirements
- NON-CONFORMING Uses and/or Structures
- Which others?

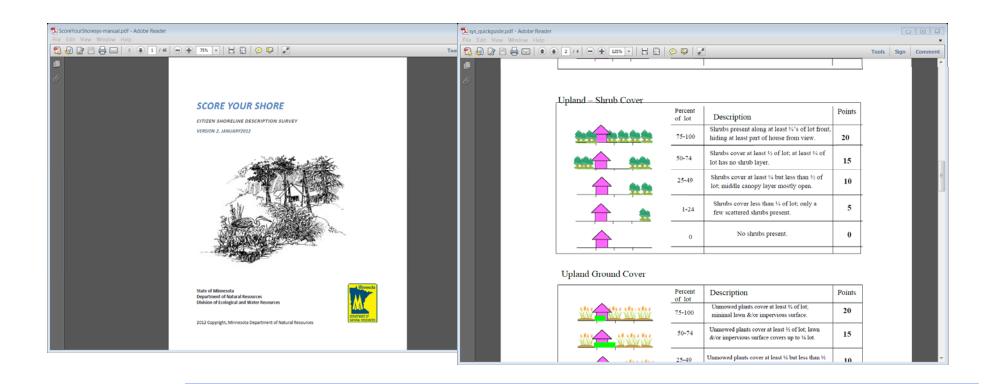


SOME POSSIBLE "TOOLS" FOR LOCAL OFFICIALS and PROPERTY OWNERS.....

The Starting Point....



MINNESOTA "SCORE-YOUR-SHORE" (Ver 2, 2012)

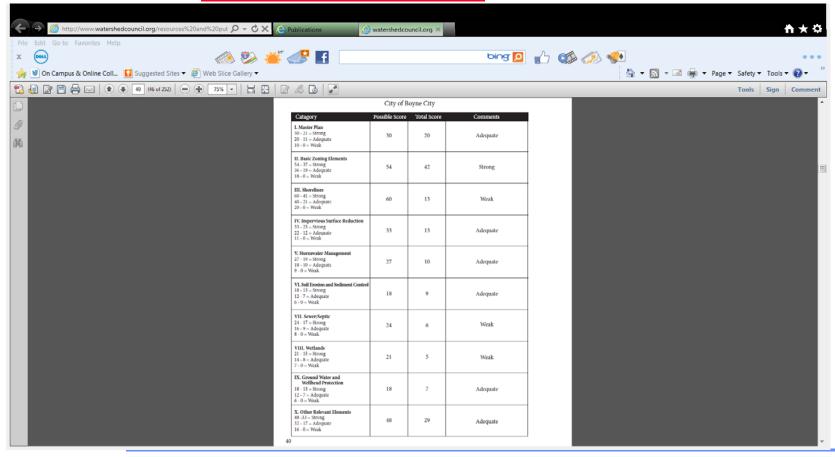




ML&SA

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Julia Kirkwood, MDEQ, Paw Paw River Watershed Project

Document Review for Water Resource Protection

Alemna Township		March 2008						
Criteria	Yes/ No	Comments						
		List page number in Master Plan and list the section of the Zoning Ordinance						
Water	Watershed Issues							
I. Watershed Activities								
A. Plans and Policies:								
Does the Master Plan identify the watershed(s) in which the community is located?	no							
Does the Master Plan call for protection of watershed resources in order to	yes	water and waste water disposal; Chapter 4 - water features and wetlands						
protect the health, safety and welfare of residents?		systems and summary; goal 2						
		LDL:						
Stream Corrid	ors and Flo	od Plains						
I. Stream Corridors								
A. Plans and Policies:								
1. Does the Master Plan indicate the importance of any of the following: riparian buffers to assist in flood control, protect the streambank from erosion, remove pollutants from storm water runoff, provide food and habitat for wildlife, prevent sediment from settling in the water course, provides tree canopy to shade streams, and promote desirable aquatic organisms, scenic value and recreational opportunities?		goal 1 and 2						
2. Does the Master Plan state that protection of stream corridors is important in promoting the health, safety and welfare of residents through flood control, and water quality and riparian corridor preservation?	yes	setbacks from natural features - Goal 1 and 2						
B. Development / Redevelopment Regulations:								
Are regulations coordinated with regulations protecting County drains?	yes							
Does the community require naturally-vegetated buffers along drainage way corridors?	yes	requires natural vegetation buffer						
a. What is the width of the corridor?		200 feet from all waterbodies						
Does the community restrict development adjacent to stream corridors to those which do any of the following: offer no danger of topographical disturbance to the corridor, degradation to water quality, increased runoff, sedimentation, stream channel alterations, or degradation of dependent, non-hydrologic resources (i.e. flora and fauna)?	yes	200 feet setback from all waterbodies and wetlands						
Are waterbody setbacks in place of at least 30-50 feet?	yes							





WE ARE NOT ALONE.... In this cycle of Watershed Improvement

Innovators (Tip-of-the-Mitt and Glen Lake Area)

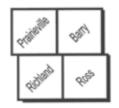
Early Adopters (Almena, Brooks, Waterford Twps)

Mid-Cycle Adopters (ONTWA !!!)

Laggers Not us!







Four Township Water Resources Council

http://www.ftwrc.org/









STRENGTH / IMPACT of: MASTER PLAN

LOCATION	Low	Medium	High
Ontwa TWP 2011	XX	XX ***	
Richland TWP 2008		XX	
Prairieville TWP 2007			XX
Almena TWP 2009			XX





STRENGTH / IMPACT of: IMPERVIOUS SURFACE & %COVERAGE

LOCATION	Low	Medium	High
	XX		
Almena TWP		XX	
Brooks TWP		XX	
Waterford TWP (Oakland Co)			XX





STRENGTH / IMPACT of: NATURAL FEATURE PRESERVATION

LOCATION	Low	Medium	High
	xx		
Prairieville TWP		XX	
Zeeland TWP			XX



STRENGTH / IMPACT of: Anti-Funneling Anti-Keyholing

LOCATION	Low	Medium	High
Porter TWP VBCounty	XX		
Ontwa TWP		XX	
Rutland Charter TWP (Barry Co)			XX



STRENGTH / IMPACT of: SETBACK & VIEW PRESERVATION

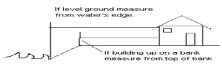
LOCATION	Low	Medium	High
Almena TWP		XX	
Park TWP (Lake			XX
Macatawa)			



BROOKS TOWNSHIP DISTRICT REGULATIONS										
Zone	Zoning District Min	Minimum Lot Area ^{i, x}	Minimum Lot Width	Lot Depth to Lot Width Ratio	Setbacks ⁱⁱⁱ ix Principal Structures ⁱⁱⁱ			Maximum Building	Maximu m Lot	
		William Extrica			Front	Side (both/least)	Rear	Height	Cover	
A-G	Agricultural	40 acres	450 ft.	4:1	75 ft	100/50 ft	50 ft.	35 ft	25%	
	Low Density Residential	5 acres	330 ft	4:1	25 ft	60/30 ft	30 ft	35 t	30%	
R-2	Medium Density Residential	2 acres	200 ft	4:1	25 ft	40/15 ft	25 ft	35 ft	30%	
	High Density Residential	1 acre	150 ft	4:1	25 ft	30/15 ft	25 ft	35 ft	35%	
МНР	Mobile Home Park	10 acres	300 ft		[State law requirements]					
LO	Lakefront Overlay Waterfront	15,000 sq.ft. (w/sewer) ^{iv} 18,000 sq.ft. (w/o sewer) ^v	100 ft on the water and for street frontage (amended 3/18/08)	4:1	50 ft (water) ^{vi}	40/15 ft	25 ft (street) vii	35 ft	35%	
20	Non-waterfront	15,000 sq.ft. (w/sewer) 18,000 sq.ft. (w/o sewer)	150 ft	4:1	25 ft	40/15 ft	25 ft	35 ft	35%	
RTO	River and Tributary Overlay Waterfront	5 acres (amended 6/21/04)	250 ft on the water and for street frontage (amended 3/18/08)	4:1	100 ft (water) 30ft top of bank (amended 6/18/01)	60/30 ft	25 ft (street)	35 It	35%	
	Non-waterfront	5 acres (amended 6/21/04)	250 ft	4:1	25 ft	60/30 ft	25 ft	35 ft	35%	
C-1	Commercial Business	1 acre	100 ft/ 500 ft depth (Amended 6-1-98)	4:1	75 ft	40/15 ft (amended 3/18/08)	30 ft 50 ft (res.) viii (amended 3/18/08)	35 ft	50%	
I-1	Industrial	1 acre	100 ft	4:1	75 ft	60/30 ft 100 ft (res.)	50 ft 75 ft (res.)	35 ft	50%	



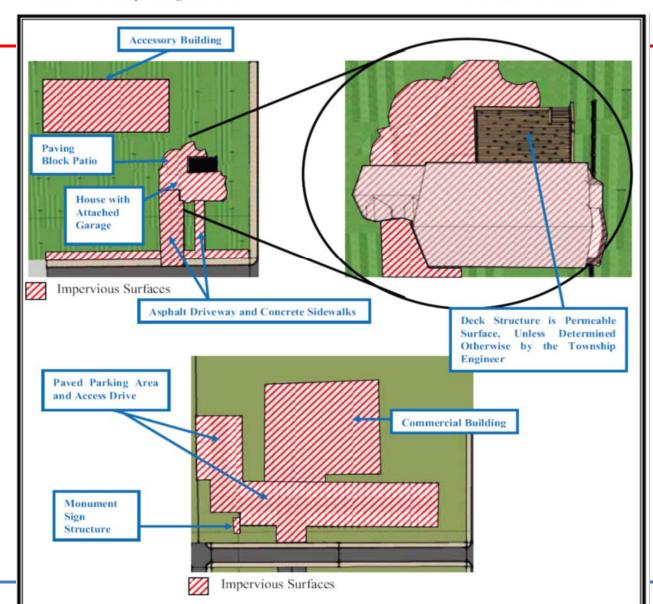
- Unless otherwise provided, each dwelling unit must have the minimum lot area requirements of this table
- ii. For lots abutting a water body, set back shall be measured from the water's edge.
- Fence Structures shall be regulated by Section 18.01 (amended 1/21/02). Accessory structures shall be regulated by Section 3.03b
- iv. w/sewer: Those parcels with sanitary sewer
- v. w/o sewer: Those parcels without sanitary sewer
- vi. water: For Waterfront lots the yard abutting the water's edge is always the front yard.
- vii. street: For Waterfront lots the yard abutting a public or private road, street, or right of-way is always the rear yard.
- viii. res: The yard abutting a residential use
- ix. Set Backs for properties located on corners that abut Michigan Department of Transportation Roads such as M-37 and M-82 shall be measured from the normal Road Right of Way not the increased State 'Clear Vision' right of way. However, all clear vision regulations set forth in Section 3.04c must be complied with. (Amended 12/8/03)
- x. Review the district regulations for rules addressing the possible requirement of combination of nonconforming lots.





MICHIGAN NATURAL SHORELINE

PARTNERSHIP







POSSIBLE Future Actions:

- Procure copy and read the Local Zoning Ordinance
- Attend Planning Commission and Zoning Board of Appeals Meetings
- Have Local Officials "ID" which board members "pay attention to" specific citizen concerns
- Fully "active" citizen participation in all "5 year" and "other" Master Plan" actions
- Review Zoning Ordinance for Riparian Issues and seek
 Moratoriums and ZO changes (BOT and PlanComm)
- Form Citizen "Visioning" Groups and Coalitions
- Identify & VOTE-in people with RIPARIAN Awareness (MLSA eNEWSLETTER Articles 10/2011 9/2012)

POSSIBLE Future Actions:

- Enhancements to <u>www.MYMLSA.org</u> and THE RIPARIAN to boost resources and awareness
- Take and Pass the MSU "Citizen Master Planner" course
- Share YOUR Story......



Questions / Comments?







IT CAN HAPPEN TO YOU....

- Cottage Torn-down/moved, 5,000+++ sq ft McMansion built in its place, impervious surface area increased
- New/remodeled homes placed closer to lake (view & loss of buffer area, vegetation)
- Run off drained directly into lake
- Geothermal units pumping ground water and discharging directly into lake
- Developer buys land and quickly seeks rezoning for Condo's, promising increased tax base
- Proliferation of Sea Walls, Loss of Natural Shoreline
- Developer "Files Suit" against Township to force development

IT CAN HAPPEN TO YOU (more)....

- Multiple Piers erected at edge of both property lines
- Piers extend longer into lake than customary
- Home built on Wetlands, DEQ has no \$\$\$ to enforce aggressively, township powerless
- Lake Association spending 5 digit \$\$\$ for Legal Fees
- ZBA granting variances in conflict with ZO
- Property Owner spending 5 digit \$\$\$ for Legal Fees
- And WHAT IS NEXT, and will it happen to YOU?
- Are You in the ZONE?

