

## **APPENDICES**

## APPENDIX A: SOIL TABLE

(For soil locations refer to Appendix C: Soils map)

SOIL SYM.	SOIL NAME	ACRES	SOIL CHARACTERISTICS
BnB	Bennington silt loam, 2 to 6 percent slopes	0.49	The Bennington component makes up 95 percent of the map unit. Slopes are 2 to 6 percent. This component is on flats on ground moraines, flats on end moraines, rises on ground moraines, rises on end moraines. The parent material consists of till. Depth to root restrictive layer is more than 80 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately low to moderately high. Available water to depth of 60 inches is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 7.2 inches. Organic matter content in the surface horizon is about 5 percent. Nonirrigated land capability classification is 2e. The maximum calcium carbonate content is 22 percent.
MgB	Mahoning silt loam, 2 to 6 percent slopes	32.72	The Mahoning component makes up 90 percent of the map unit. Slopes are 2 to 6 percent. This component is on till plains. The parent material consists of till. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 12 inches during January, February, March, April, May, June, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 9 percent.
MIB	Mahoning silt loam, sandstone substratum, 2 to 6 percent slopes	10.93	The Mahoning component makes up 100 percent of the map unit. Slopes are 2 to 6 percent. This component is on till plains. The parent material consists of till. Depth to a root restrictive layer, bedrock (paralithic), is 40 to 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 12 inches during January, February, March, April, May, June, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 3e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 9 percent.

Os	Orrville silt loam, bedrock substratum	2.91	The Orrville component makes up 100 percent of the map unit. Slopes are 0 to 2 percent. This component is on flood plains. The parent material consists of alluvium. Depth to a root restrictive layer, bedrock (paralithic), is 40 to 60 inches. The natural drainage class is somewhat poorly drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is moderate. Shrink-swell potential is low. This soil is occasionally flooded. It is not ponded. A seasonal zone of water saturation is at 12 inches during January, February, March, April, May, November, December. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 2w. This soil does not meet hydric criteria.
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- The acres listed in the table above were calculated using GIS and may not match the exact acreage of the Protected Property.
- Source: USDA - Natural Resource Conservation Service SSURGO Soils Database for Ohio - 2003
- (\*) Indicates "All areas prime farmland" as identified by the U.S. Department of Agriculture.
- (\*\*) Indicated "Hydric soils" as identified by the U.S. Department of Agriculture.

## APPENDIX B: NATURAL RESOURCE INVENTORY

June 4, 2013 – Shane Wohlken and Bill Jordan

\*This inventory is based on a brief field survey with the intention of documenting major habitat types, other natural features, and as many species as possible found on the Protected Property. More extensive field surveys would likely yield a more complete inventory.

### Plant Species Inventory

Ash, White	<i>Fraxinus americana</i>	
Autumn olive	<i>Elaeagnus umbellata</i>	INVASIVE
Basswood, American	<i>Tilia americana</i>	
Bindweed, field	<i>Convolvulus arvensis</i>	
Bittersweet nightshade	<i>Solanum dulcamara</i>	
Blackberry	<i>Rubus sp.</i>	
Blue eyed grass	<i>Sisyrinchium montanum</i>	
Buttercup sp.	<i>Ranunculus sp.</i>	
Canada thistle	<i>Cirsium arvense</i>	INVASIVE
Cherry, black	<i>Prunus serotina</i>	
Cherry, pin	<i>Prunus pensylvanica</i>	
Chives	<i>Allium schoenoprasum</i>	
Cinquefoil, common	<i>Potentilla simplex</i>	
Common bedstraw	<i>Galium aparine</i>	
Common Fleabane	<i>Erigeron philadelphicus</i>	
Common milkweed	<i>Asclepias syriaca</i>	
Curly dock	<i>Rumex crispus</i>	
Elm, American	<i>Ulmus americana</i>	
Fuller's teasel	<i>Dipsacus fullonum</i>	INVASIVE
Garlic mustard	<i>Alliaria petiolata</i>	INVASIVE
Goldenrod sp.	<i>Solidago sp.</i>	
Gooseberry	<i>Ribes</i>	
Grape sp.	<i>Vitis sp.</i>	
Hawkweed, meadow	<i>Heracium pratense</i>	
Hawthorn sp.	<i>Crataegus species</i>	
Hickory, shagbark	<i>Carya ovata</i>	
Ironweed	<i>Vernonia gigantea</i>	
Jack in the Pulpit	<i>Arisaema triphyllum</i>	
Jewelweed	<i>Impatiens capensis</i>	

Maple, red	<i>Acer rubrum</i>	
Mayapple	<i>Podophyllum peltatum</i>	
Moneywort	<i>Lysimachia nummulari</i>	INVASIVE
Oak, bur	<i>Quercus macrocarpa</i>	
Oak, red	<i>Quercus rubra</i>	
Oak, white	<i>Quercus alba</i>	
Ox-eye daisy	<i>Leucanthemum vulgare</i>	
Pine, white	<i>Pinus strobus</i>	
Poison ivy	<i>Toxicodendron radicans</i>	
Queen Anne's lace	<i>Daucus carota</i>	Wild carrot
Raspberry, black	<i>Rubus occidentalis</i>	
Reed canarygrass	<i>Phalaris arundinacea</i>	INVASIVE
Rose, Multiflora	<i>Rosa multiflora</i>	INVASIVE
Sedge, Gray's	<i>Carex grayii</i>	
Softstem bulrush	<i>Schoenoplectus tabernaemontani</i>	
Soloman's seal	<i>Polygonatum commutatum</i>	
Spruce, Colorado	<i>Picea pungens</i>	
Sycamore	<i>Platanus occidentalis</i>	
Tuliptree	<i>Liriodendron tulipifera</i>	
Viburnum, arrowwood	<i>Viburnum dentatum</i>	
Violet, common white	<i>Viola striata</i>	
Walnut, black	<i>Juglans nigra</i>	

### **Animal Species Inventory**

American crow	<i>Corvus brachyrhynchos</i>
American goldfinch	<i>Carduelis tristis</i>
American robin	<i>Turdus migratorius</i>
Eastern wood pewee	<i>Contopus virens</i>
Gray catbird	<i>Dumetella carolinensis</i>
Hawk, Cooper's	<i>Accipiter cooperii</i>
Hawk, red-tailed	<i>Buteo jamaicensis</i>
Heron, great blue	<i>Ardea herodias</i>
Mourning dove	<i>Zenaida macroura</i>
Oriole, Baltimore	<i>Icterus galbula</i>
Red winged blackbird	<i>Agelaius phoeniceus</i>
Sparrow, field	<i>Spizella pusilla</i>
Tufted titmouse	<i>Baeolophus bicolor</i>
Turkey vulture	<i>Cathartes aura</i>
Vireo, warbling	<i>Vireo gilvus</i>
Warbler, common yellowthroat	<i>Geothlypis trichas</i>
Warbler, yellow	<i>Setophaga petechia</i>
Wood thrush	<i>Hylocichla mustelina</i>

Woodpecker, red-bellied	<i>Melanerpes carolinus</i>
Wren, house	<i>Troglodytes aedon</i>

## APPENDIX C: MAPS

### MAP LIST

Property Identification  
Watershed Location  
Location  
Aerial View I  
Aerial View II  
Aerial View III  
Soils  
Topography  
Land Cover  
Existing Conditions  
Restricted Access Area  
NHD Species  
Photo Points

### **Disclaimer:**

The maps included in this appendix are not legal surveys and should not be construed as such. The maps assist Western Reserve Land Conservancy in its efforts to depict the boundaries of the Conservation Easement, the regional property location, neighboring property boundaries, potential encroachments, areas of reserved and/or excluded rights, habitats, and other important existing conditions and property features related to the terms of the Conservation Easement. Property boundaries, while approximate, were established using the best available information, which may include: publicly and privately available local, county, state and federal GIS data, legal surveys, tax maps, field mapping using G.P.S. and other sources.

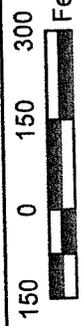
The legal boundary of the Conservation Easement is derived from the legal description which is an exhibit to the Conservation Easement document. Western Reserve Land Conservancy attempts to make all maps match the legal description as closely as possible.

PPN:  
03608C20038  
47.01 acres

PPN:  
03608C20033  
0.14 acres

Millstone Lane

Miller's Pass



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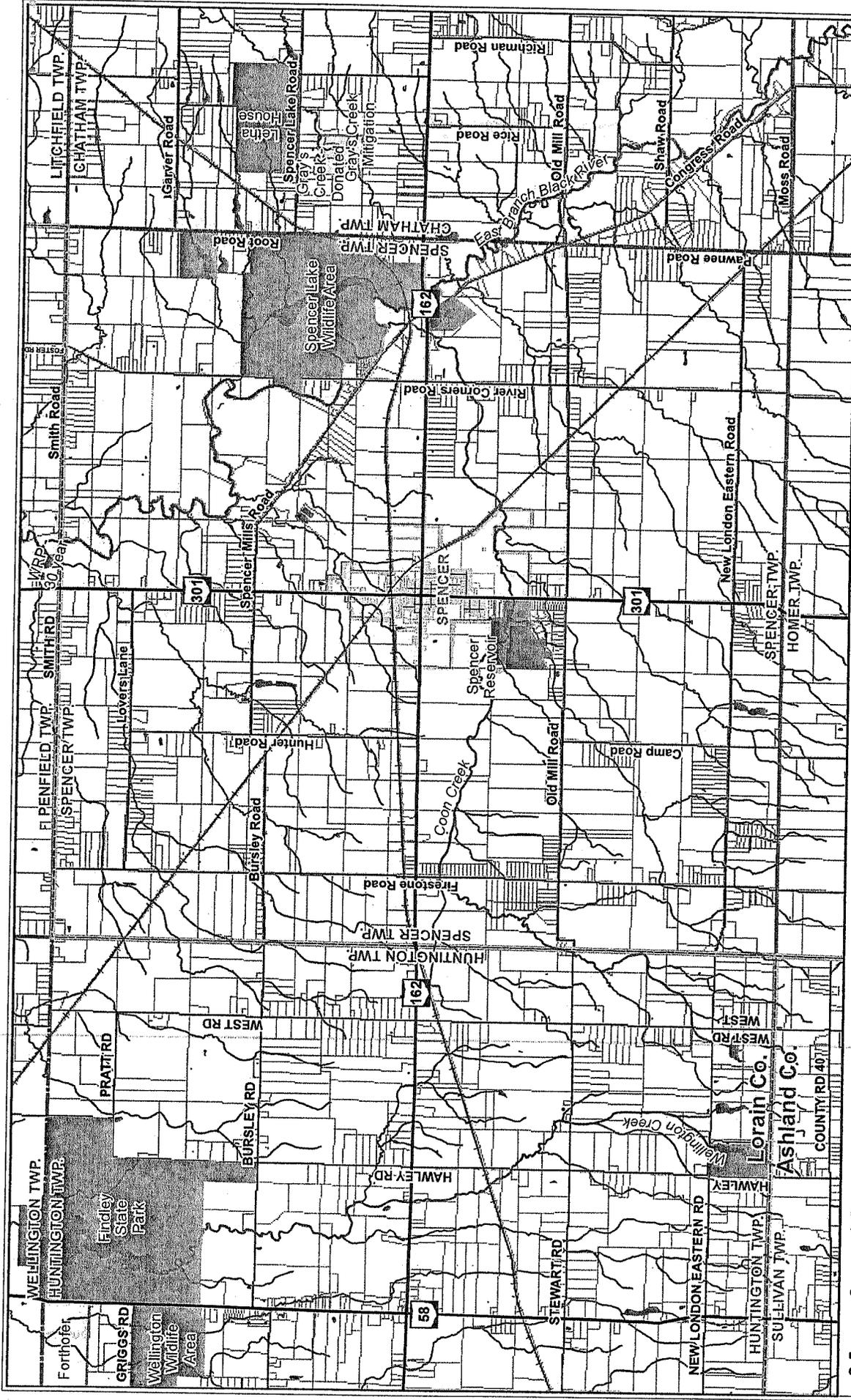
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Map Created 7/22/2013 sw

Property Identification: Lech - BDR

 Lech Property: 47.15 Acres
  Parcels - Medina Co.



**Location: Lech - BDR**

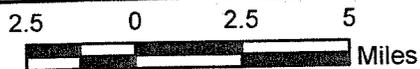
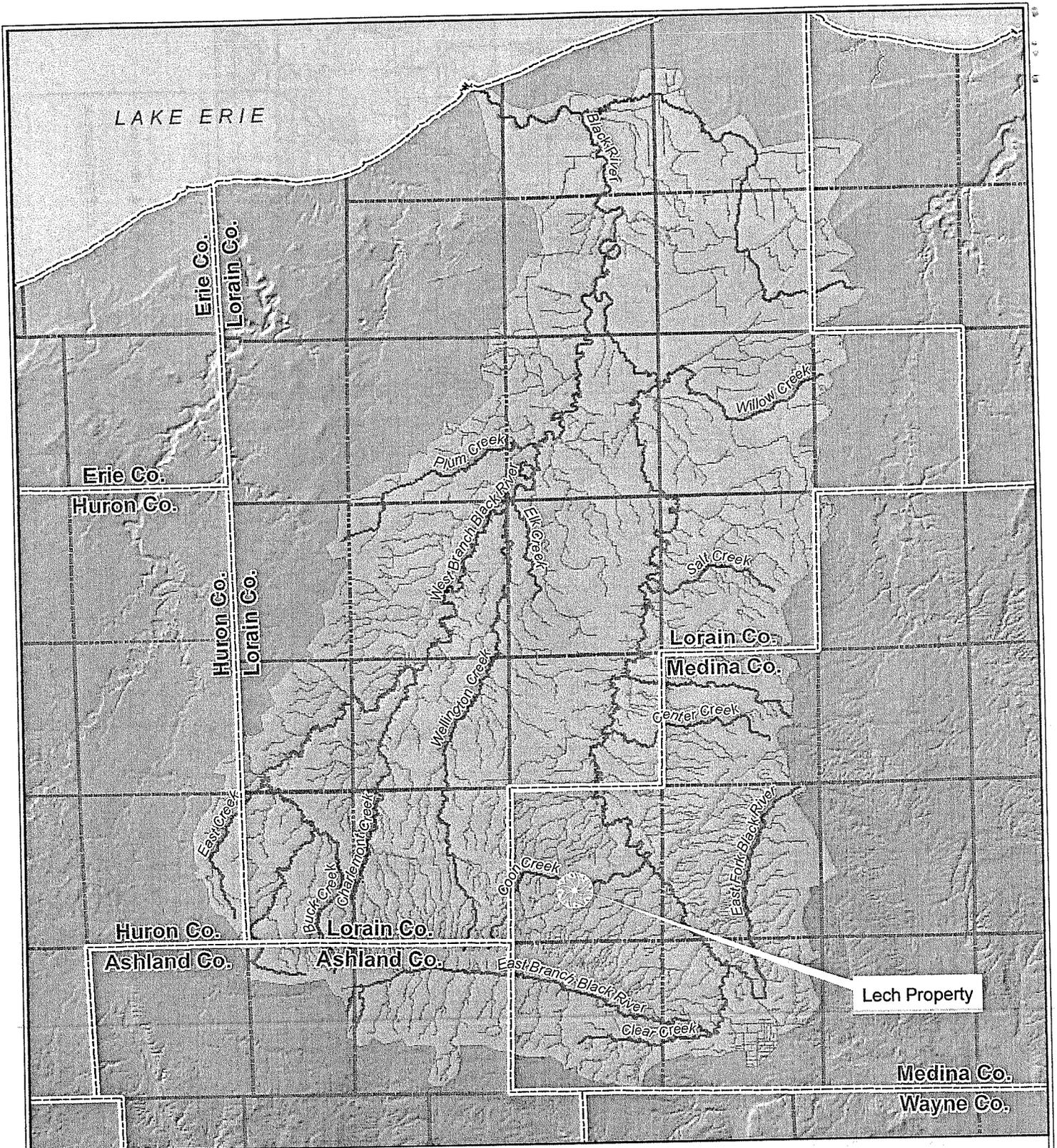
	Lech Property: 47.15 Acres		County Boundaries		State Highways		Black River & Tributaries
	Land Conservancy Protected Properties		Township Boundaries		Roads - Medina Co.		NHD - Lake/Pond/Reservoir
	Parks & Managed Areas		Municipal Boundaries				

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Watershed Location: Lech - BDR



Township Boundaries



County Boundaries

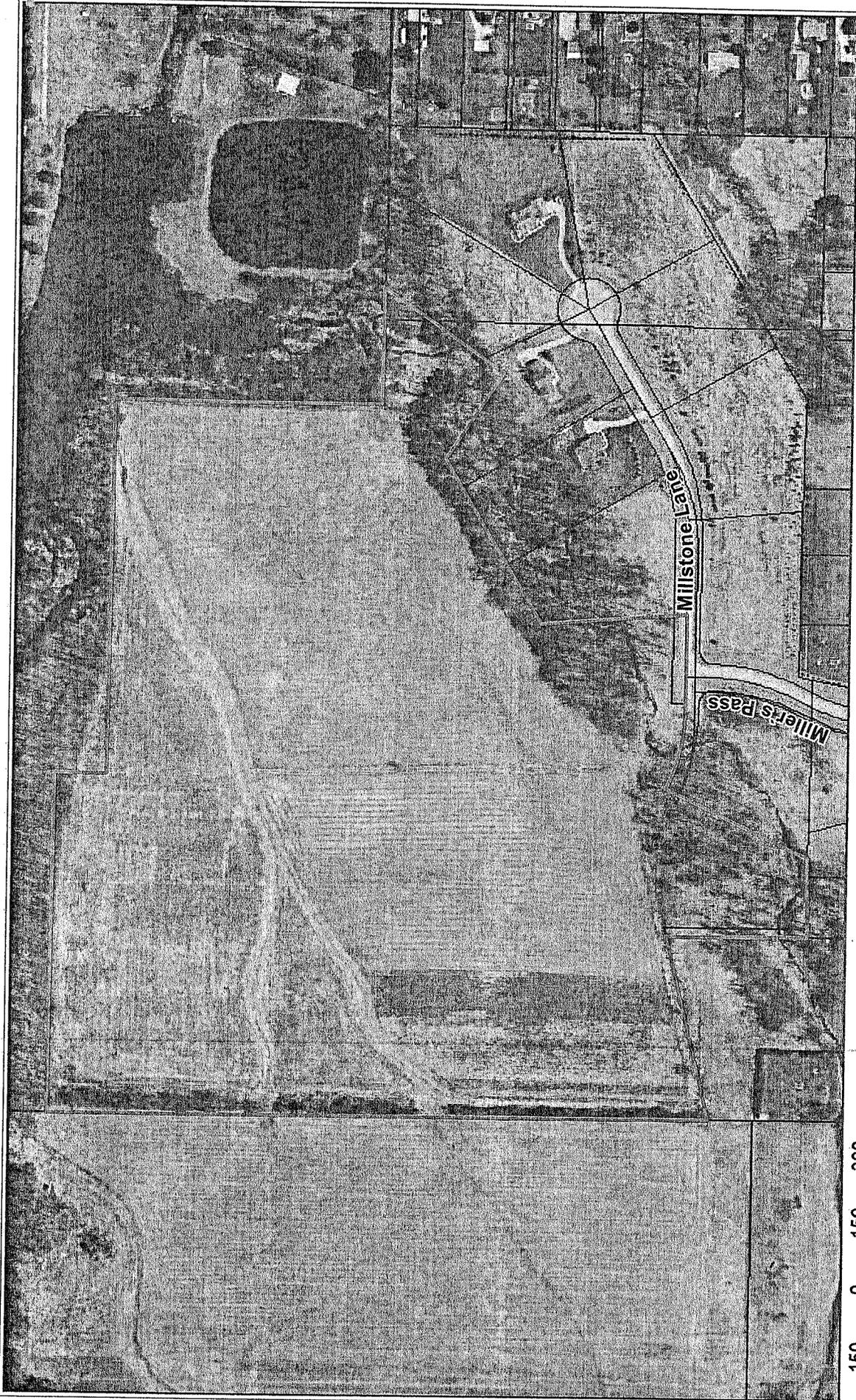
Black River Watershed



Lake Erie



Black River & Tributaries



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2006 Aerial Photo (OSIP)  
Map Created 7/22/2013 sw

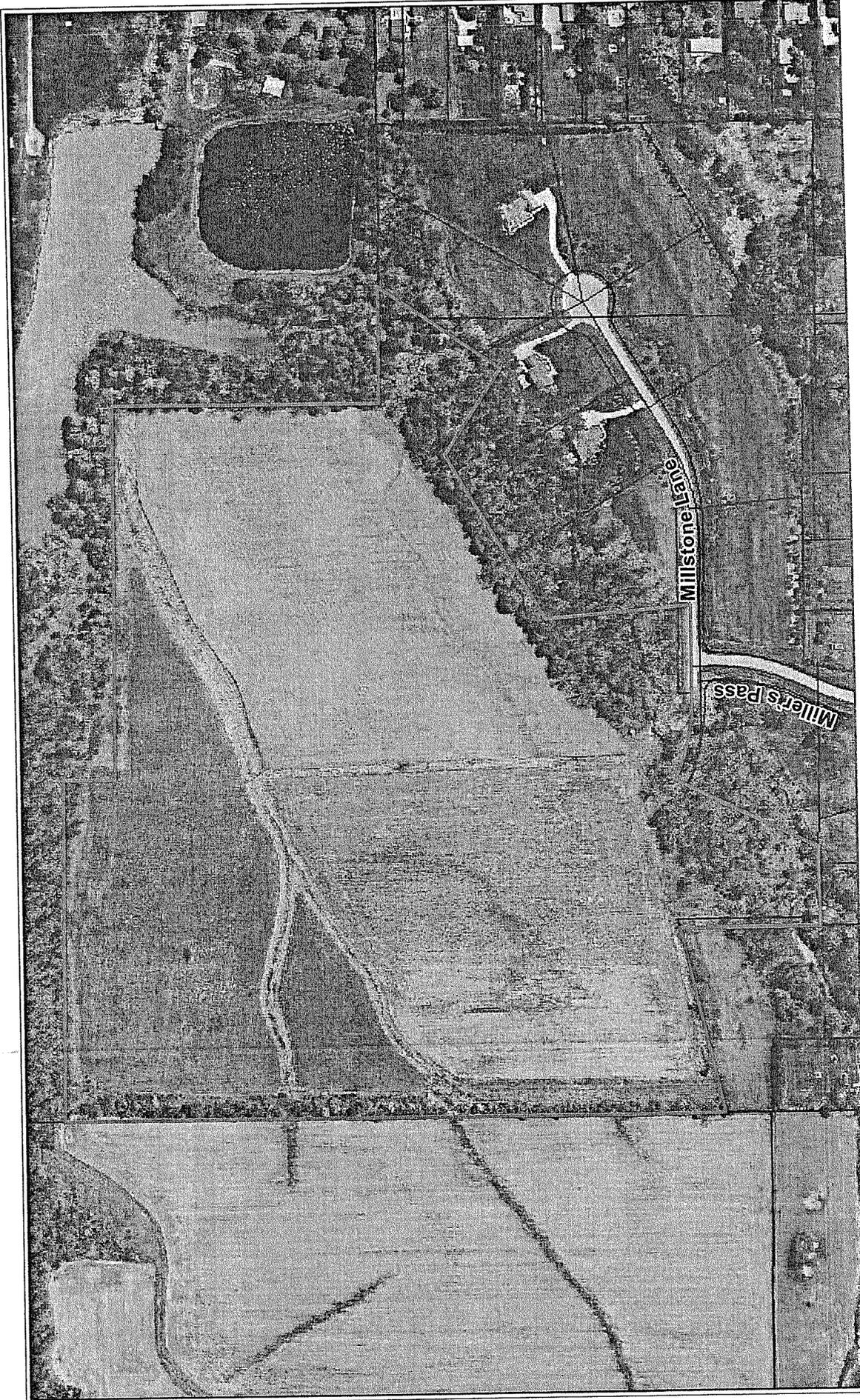
### Aerial View I: Lech - BDR



Lech Property: 47.15 Acres



Parcels - Medina Co.



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2011 Aerial Photo (OSIP)  
Map Created 7/22/2013 sw

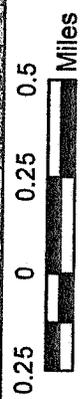
### Aerial View II: Lech - BDR

-  Lech Property: 47.15 Acres
-  Parcels - Medina Co.

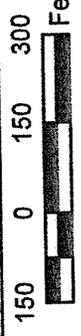
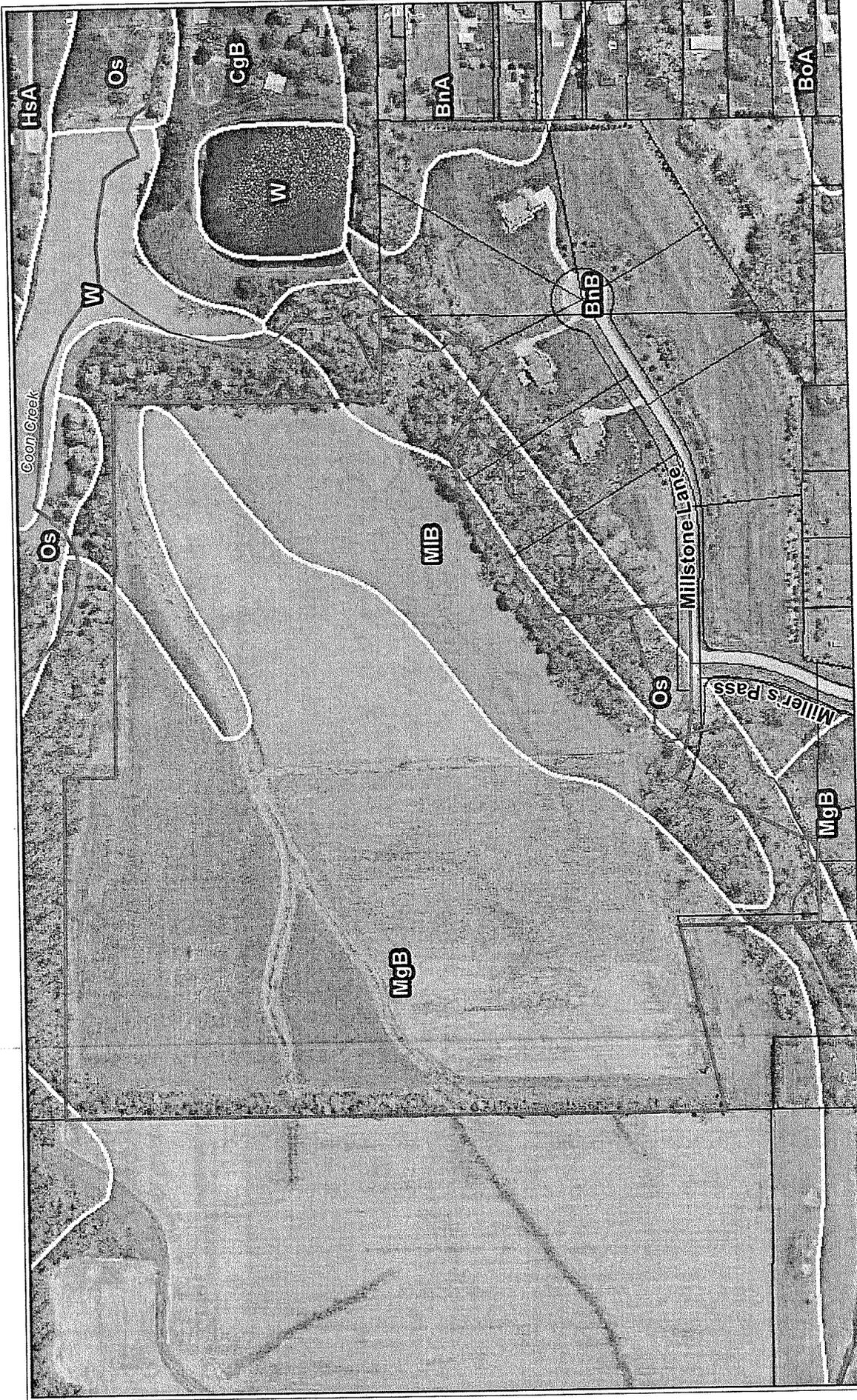


Aerial View III: Lech - BDR

-  Lech Property: 47.15 Acres
-  Municipal Boundaries
-  Parks & Managed Areas
-  Parcels - Medina Co.
-  County Boundaries
-  Black River & Tributaries



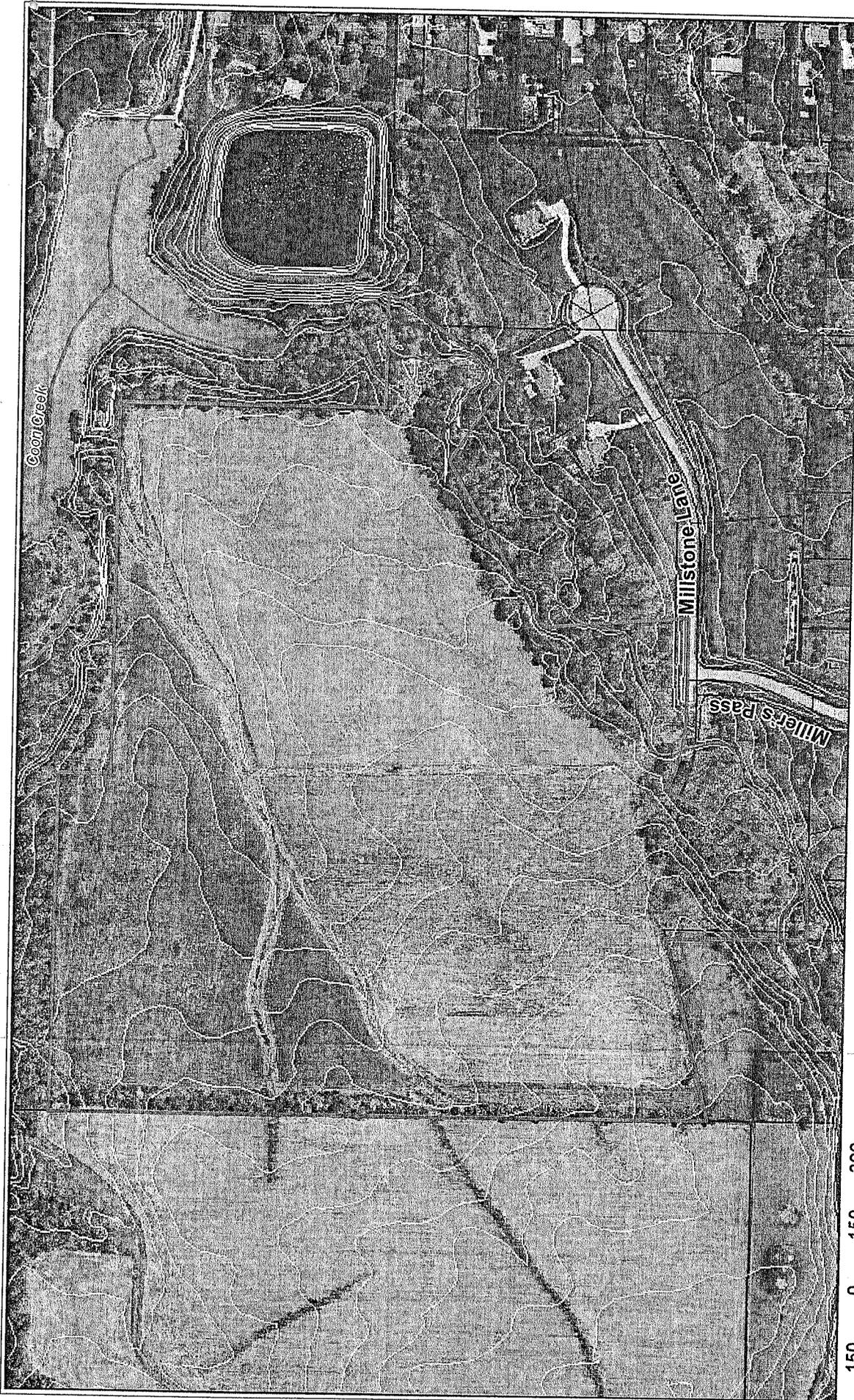

  
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 S 2011 Aerial Photo (OSIP)
   
 Map Created 7/22/2013 sw



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**Soils: Lech - BDR**

Lech Property: 47.15 Acres    Streams/Rivers  
 Parcels - Medina Co.



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2011 Aerial Photo (OSIP)  
Map Created 7/22/2013 sw

Topography: Lech - BDR



Lech Property: 47.15 Acres

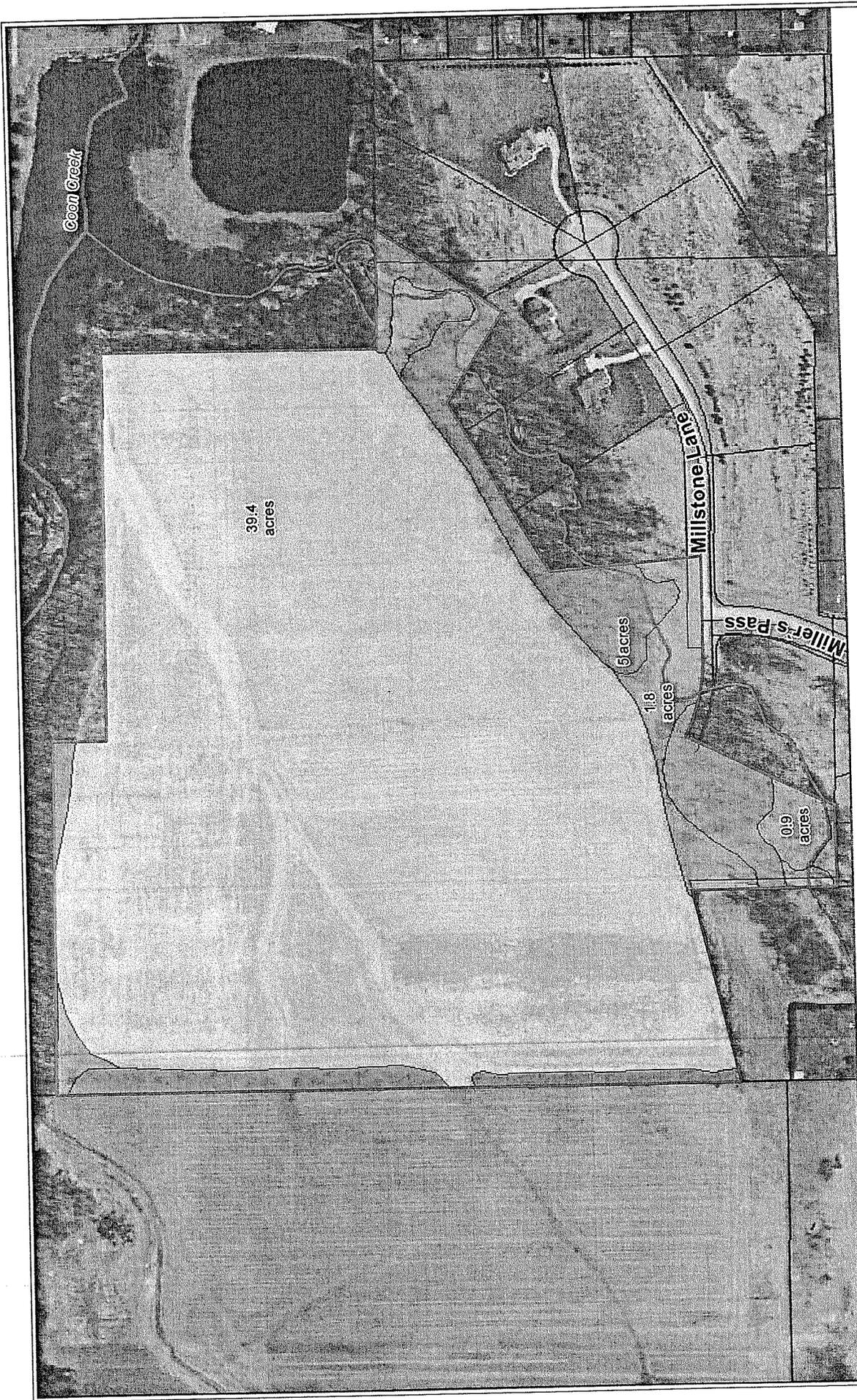


Parcels - Medina Co.



Streams/Rivers

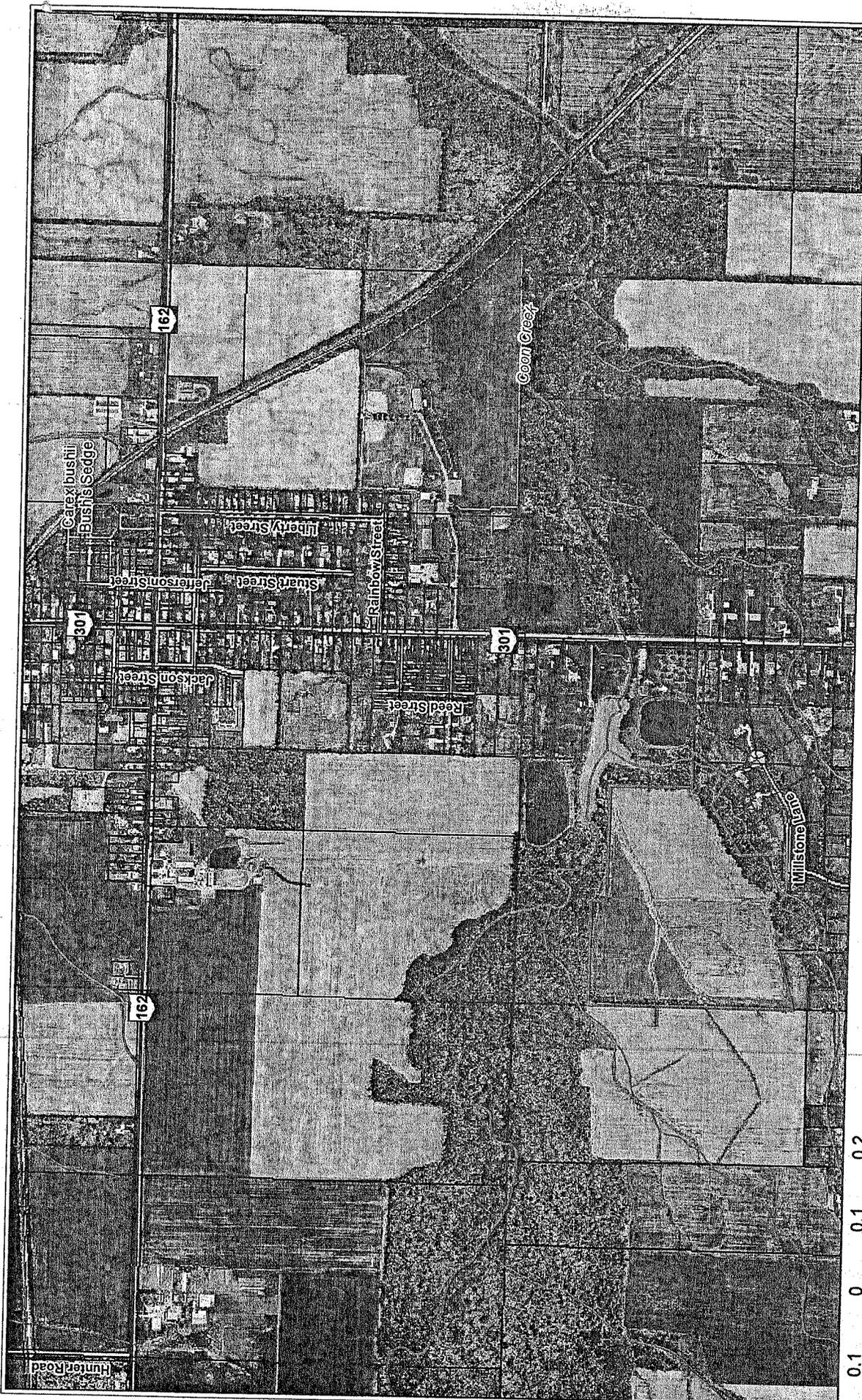
2 ft. Contours - Medina Co.




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 Map Created 7/22/2013 sw

Land Cover: Lech - BDR

-  Lech Property: 47.15 Acres
-  Old Field
-  Forest-Early/Mid Successional Hardwood
-  Wetland-Reed canary grass Meadow
-  Parcels - Medina Co.
-  Upland Scrub-Shrub
-  Wetland-Reed canary grass Meadow
-  Streams




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 Map Created 7/22/2013 sw

Natural Heritage Database: Provided by ODNR-DOW: Lech - BDR

-  Lech Property: 47.15 Acres
-  Natural Heritage Database
-  Parcels - Medina Co.
-  Black River & Tributaries




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S 2006 Aerial Photo (OSIP)  
 Map Created 7/22/2013 sw

**Photo Points: Lech - BDR**

-  Lech Property: 47.15 Acres
-  Photo Points: 06/04/13
-  Parcels - Medina Co.