

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>	
Solomon'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.

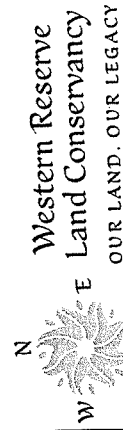
The legal boundary of the Conservation Easement is derived from the legal description which is an exhibit to the Conservation Easement document. Western Reserve Land Conservancy attempts to make all maps match the legal description as closely as possible.

PPN:
03608C20038
47.01 acres

PPN:
03608C20033
0.14 acres



Millstone Lane

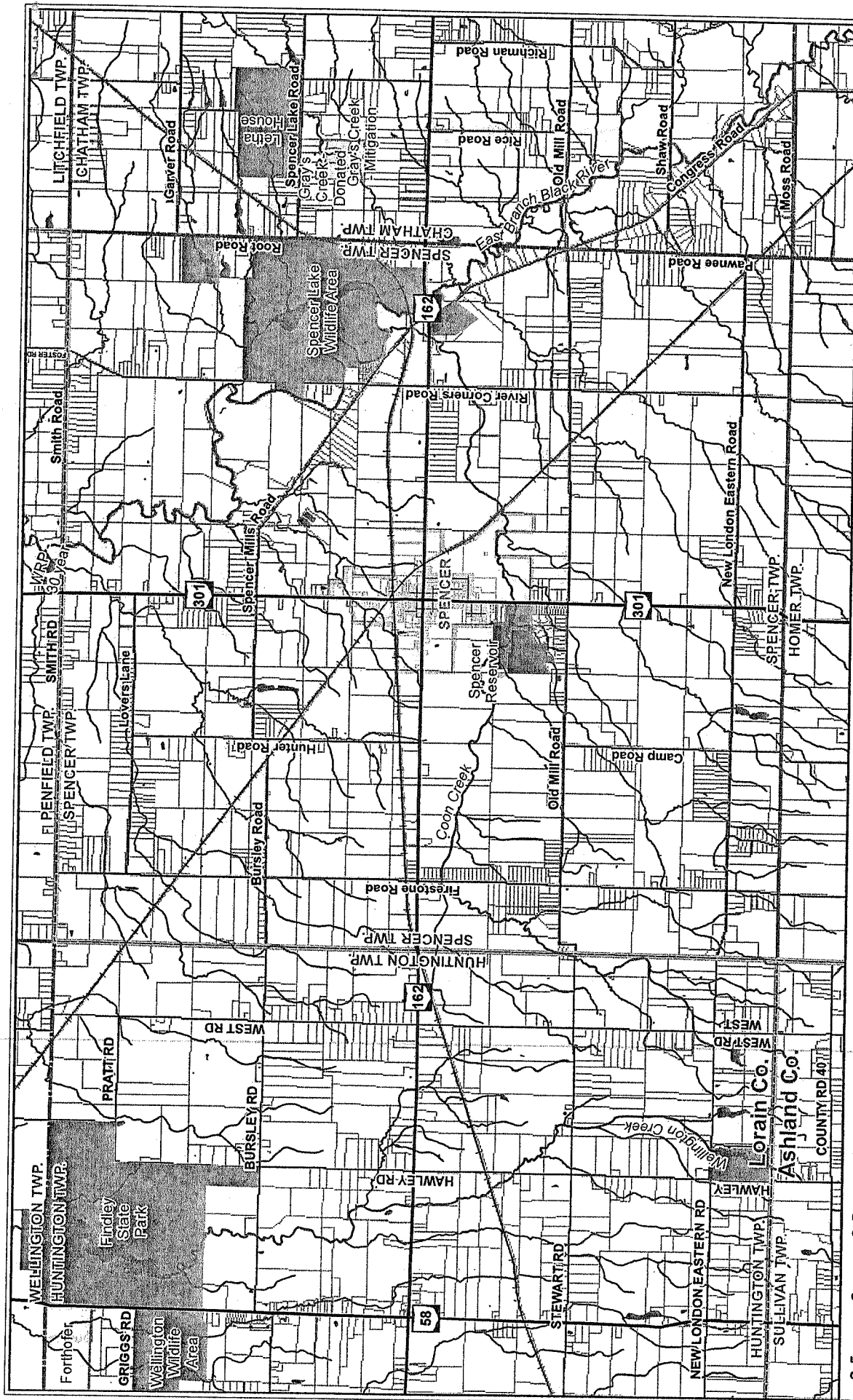
Miller's Pass



Map Created 7/22/2013 sw

Property Identification: Lech - BDR

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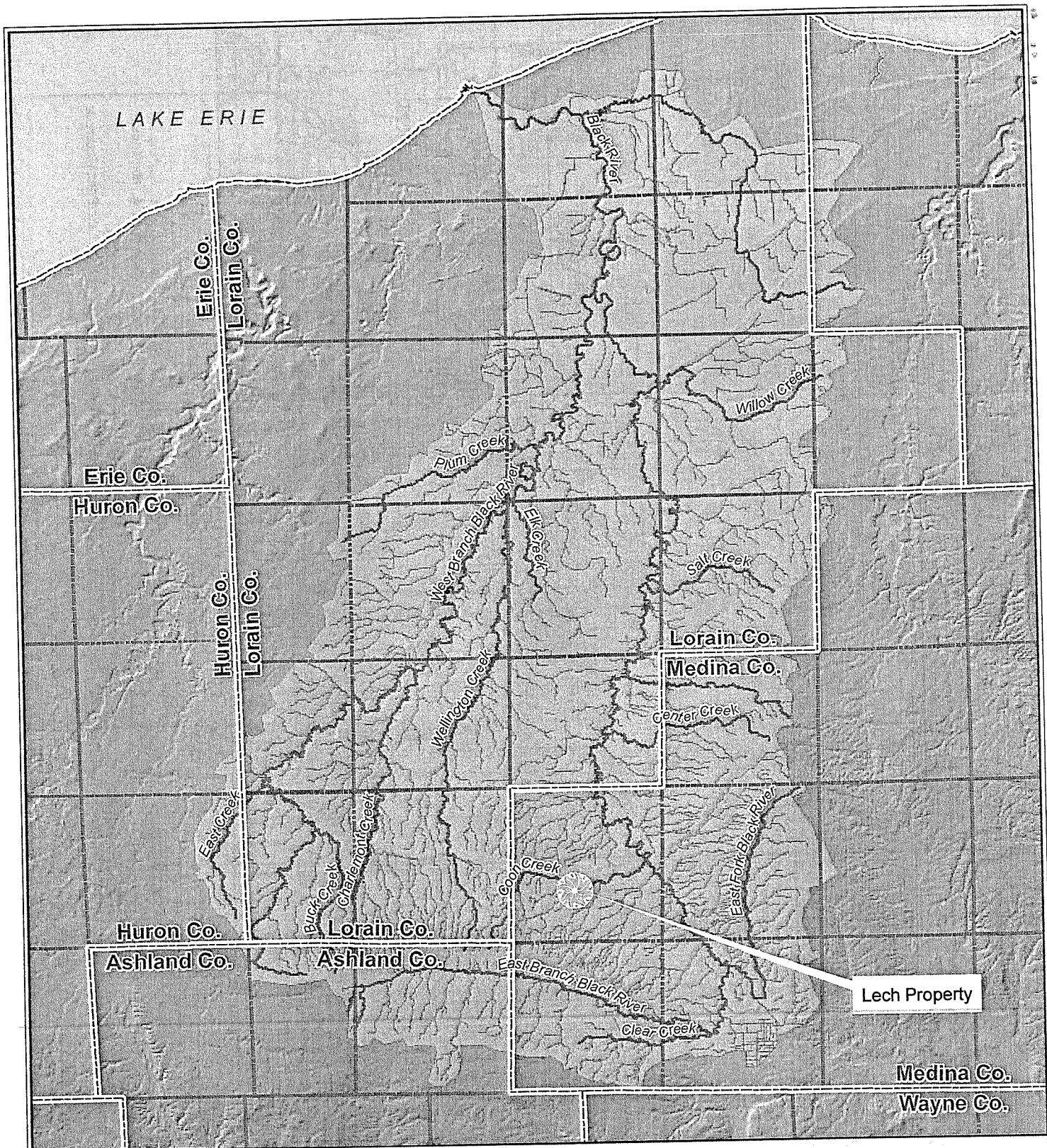
Location: Lech - BDR

	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				

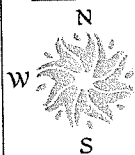
0.5 0 0.5 1 Miles

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2.5 0 2.5 5
Miles



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Watershed Location: Lech - BDR



Township Boundaries

County Boundaries

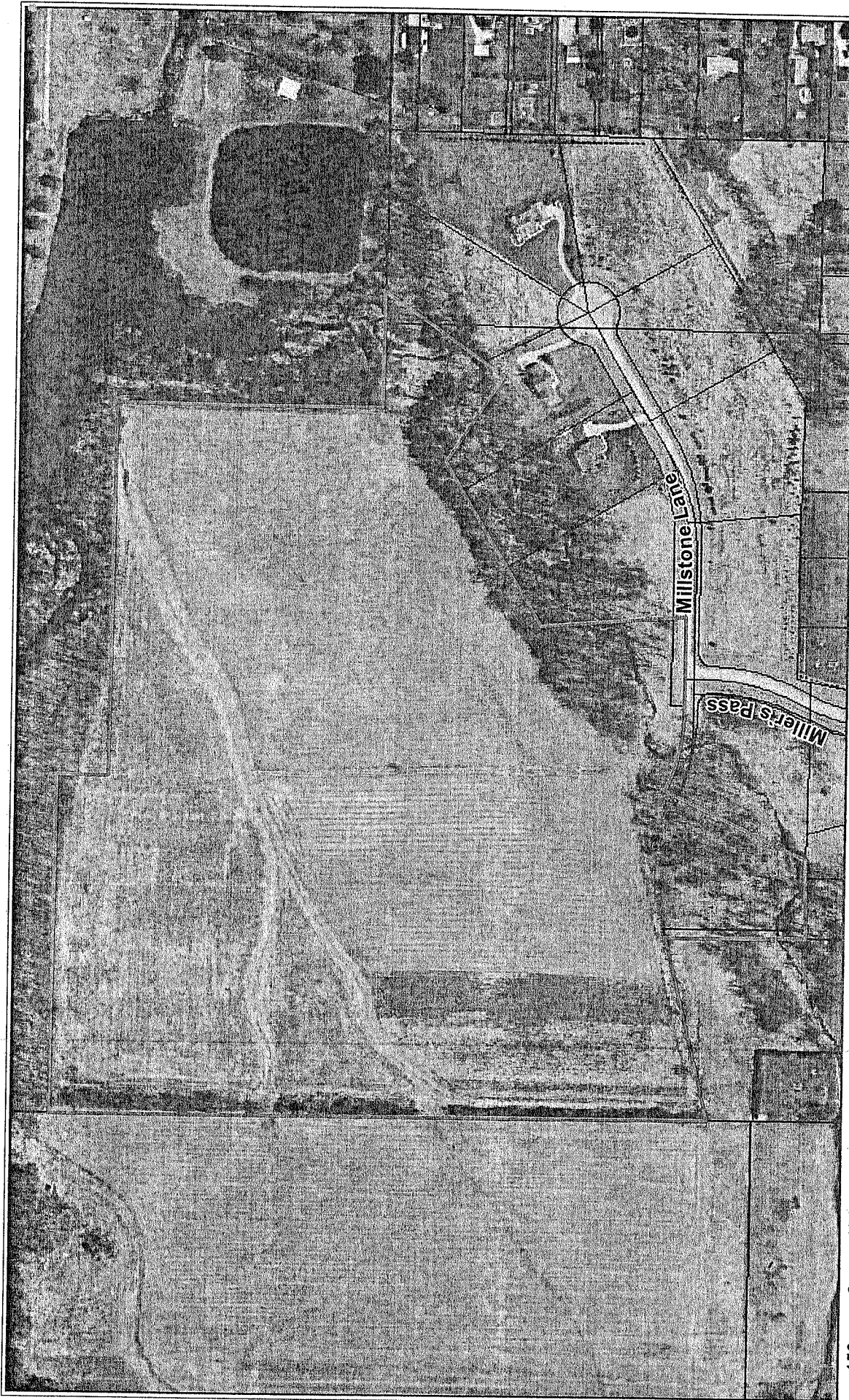
Black River Watershed



Lake Erie



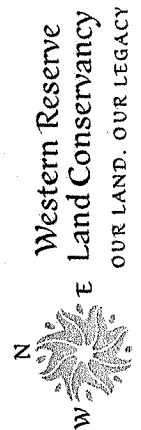
Black River & Tributaries



150 0 150 300



Feet



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

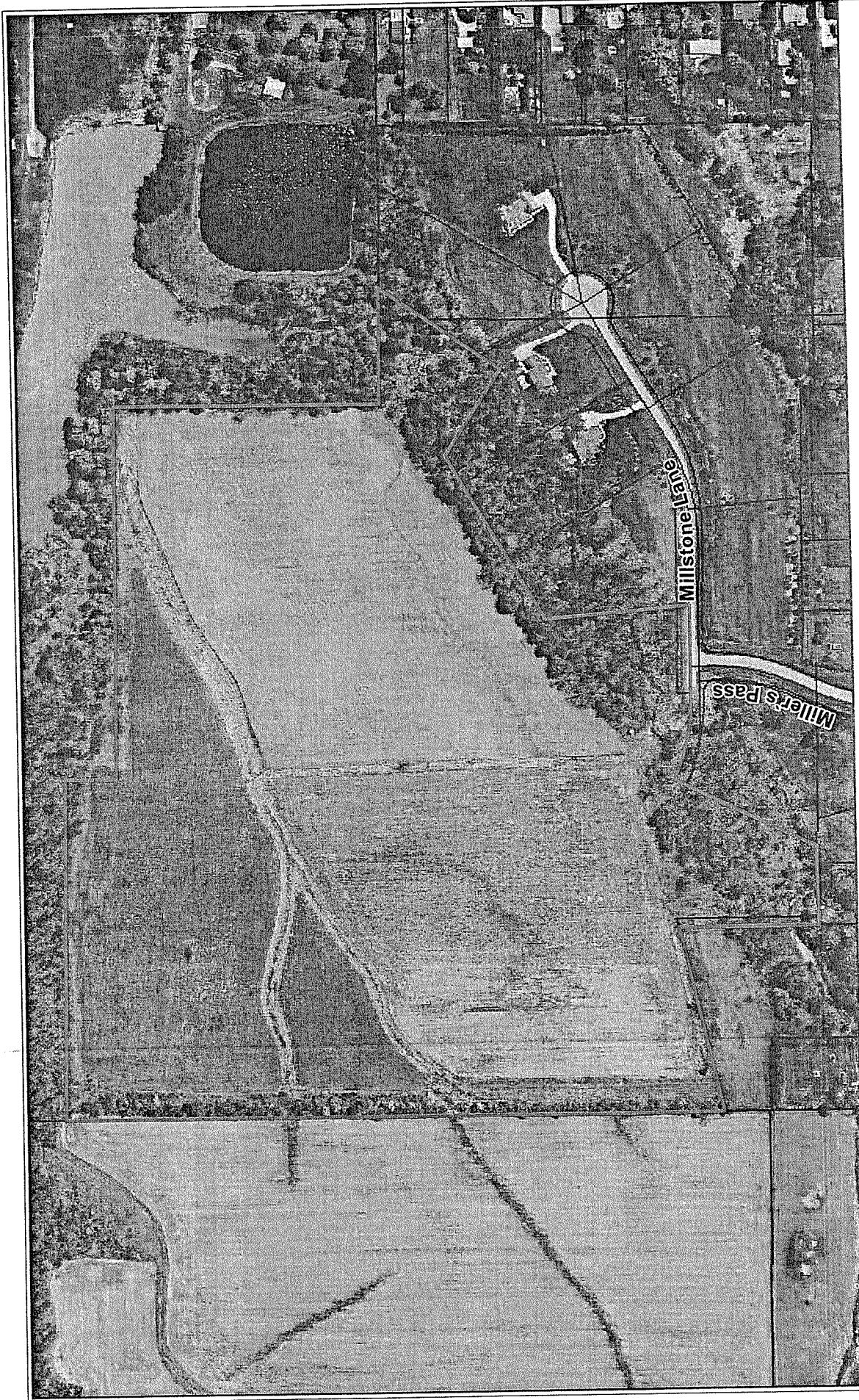
Aerial View I: Lech - BDR



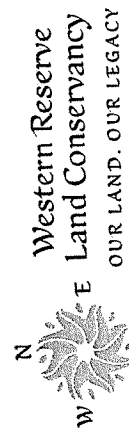
Lech Property: 47.15 Acres



Parcels - Medina Co.



150 0 150 300 Feet



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

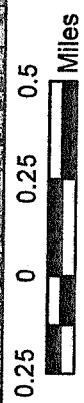
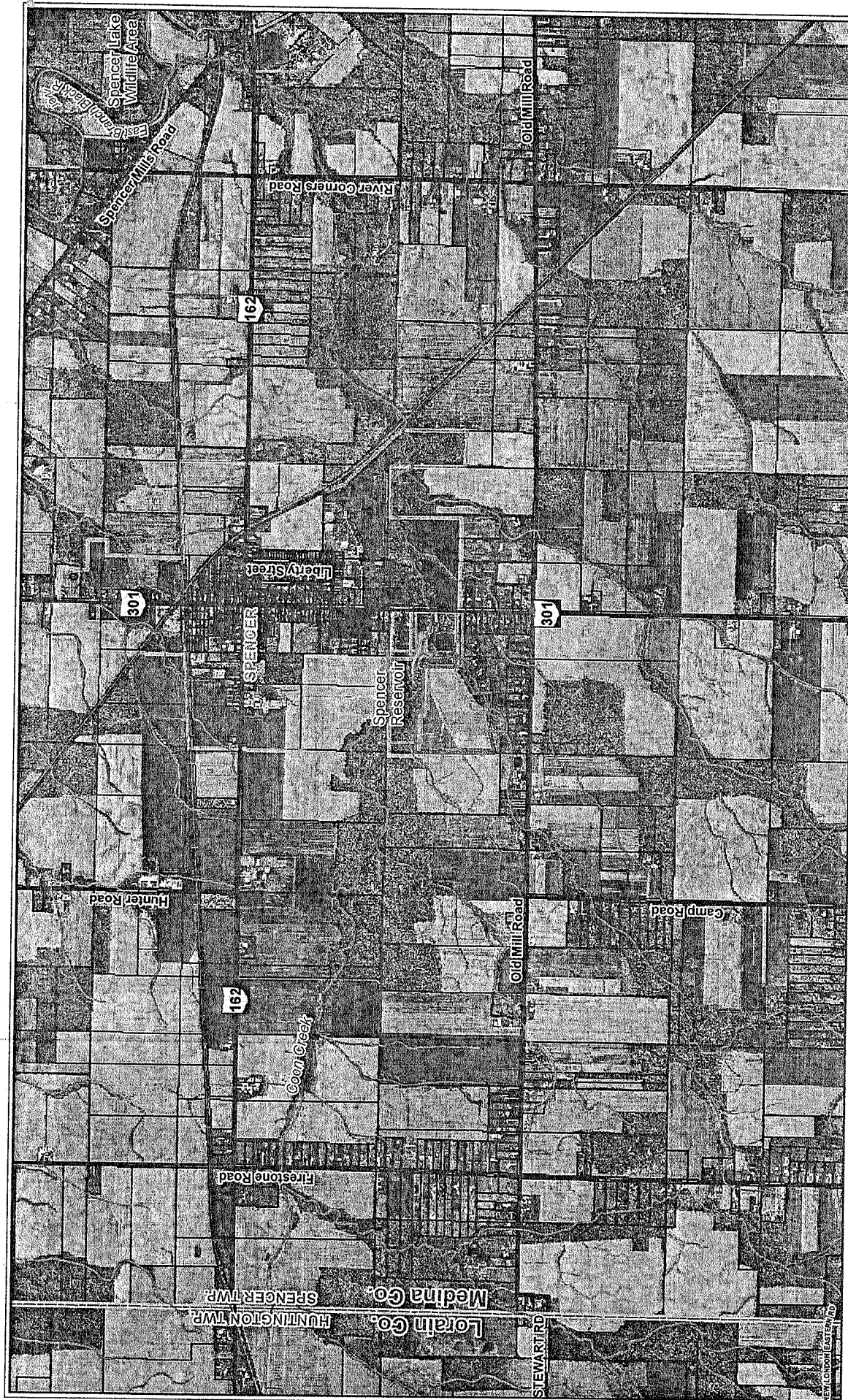
Aerial View II: Lech - BDR




Lech Property: 47.15 Acres




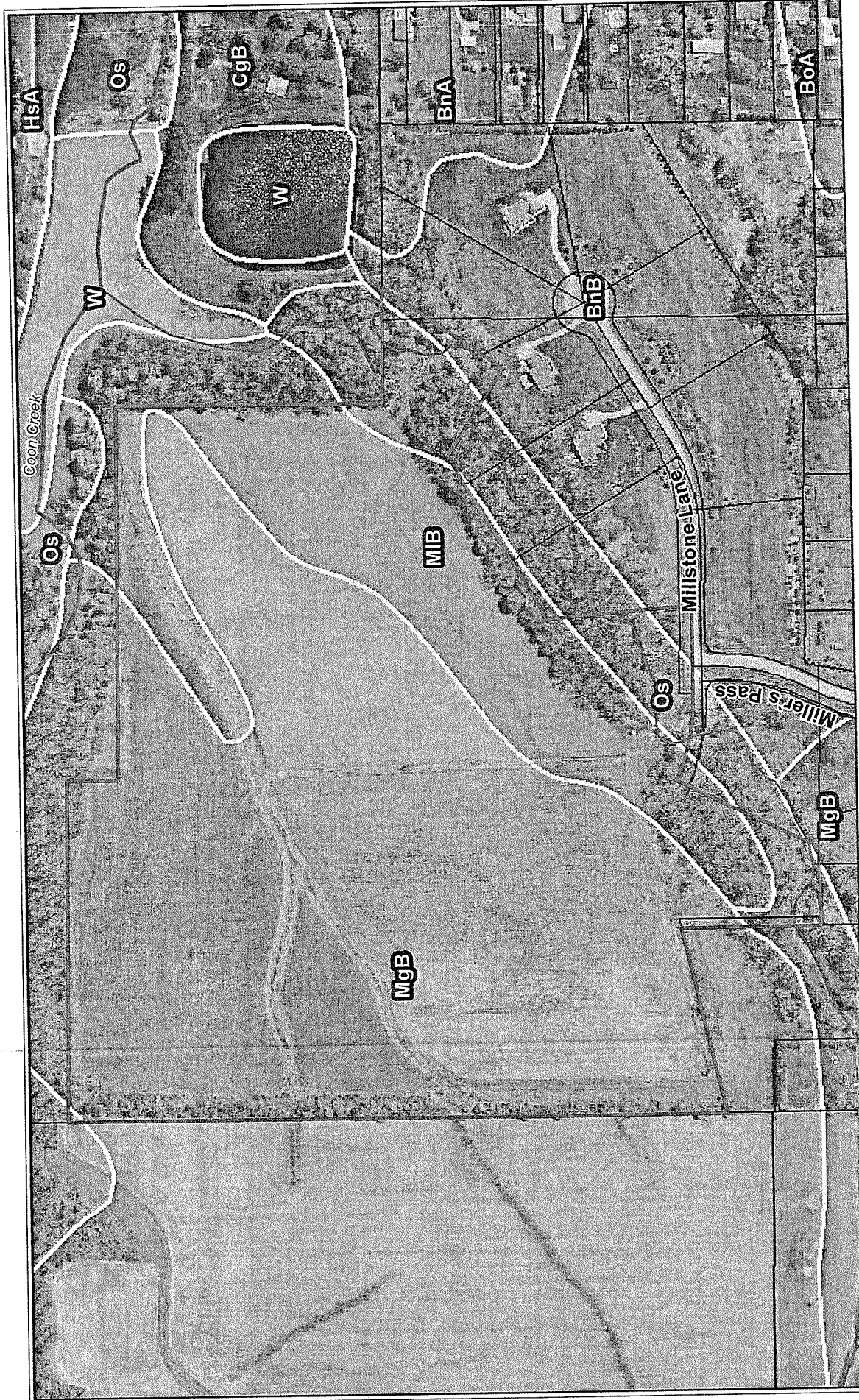
Parcels - Medina Co.




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 Map Created 7/22/2013 sw

Aerial View III: Lech - BDR

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



150 0 150 300

Feet

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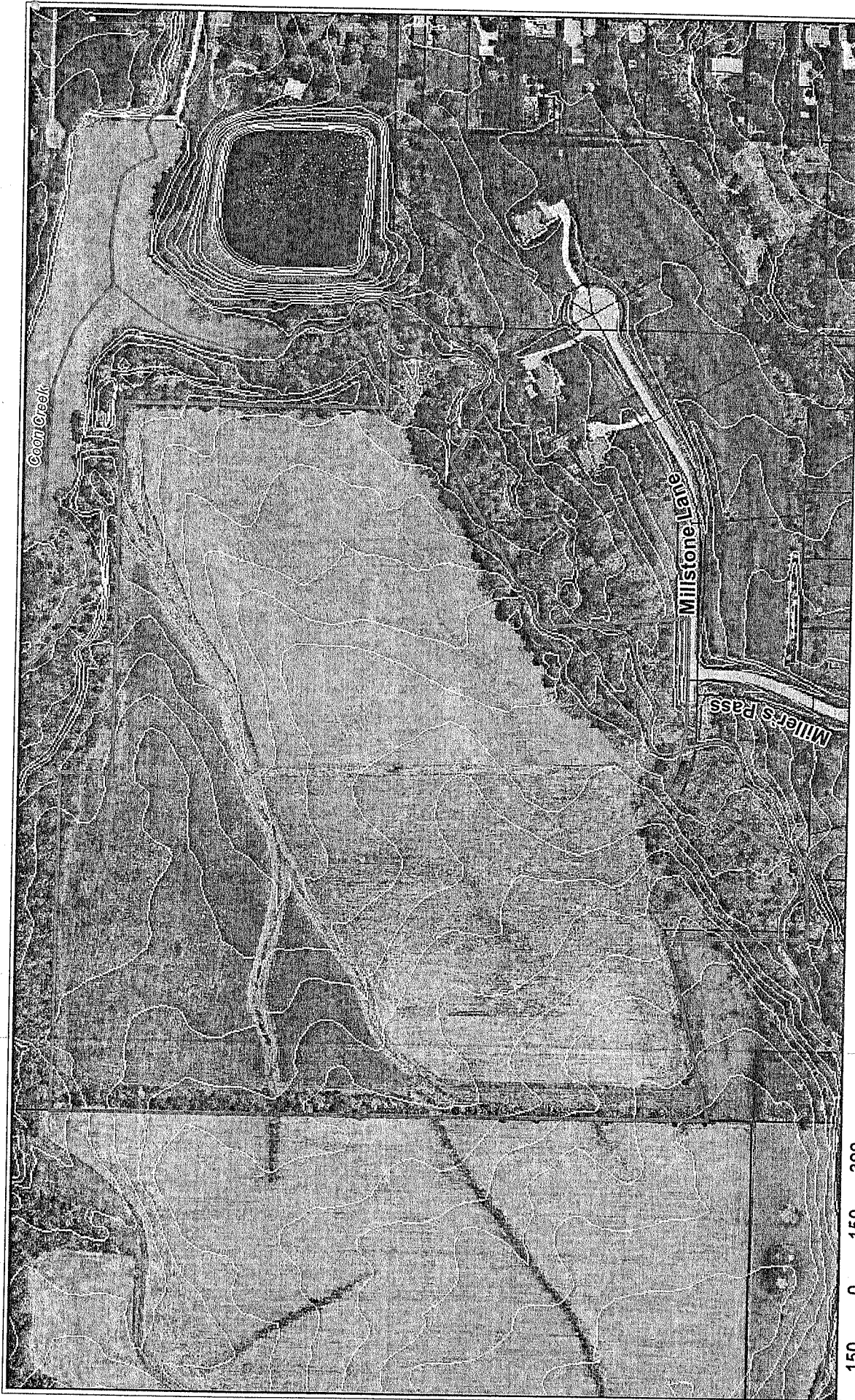
S 2011 Aerial Photo (OSIP)
 Map Created 7/22/2013 sw

Soils: Lech - BDR

Lech Property: 47.15 Acres

Parcels - Medina Co.

Streams/Rivers



Topography: Lech - BDR



Lech Property: 47.15 Acres

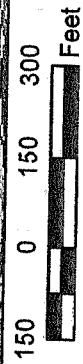


Parcels - Medina Co.

2 ft. Contours - Medina Co.



Streams/Rivers

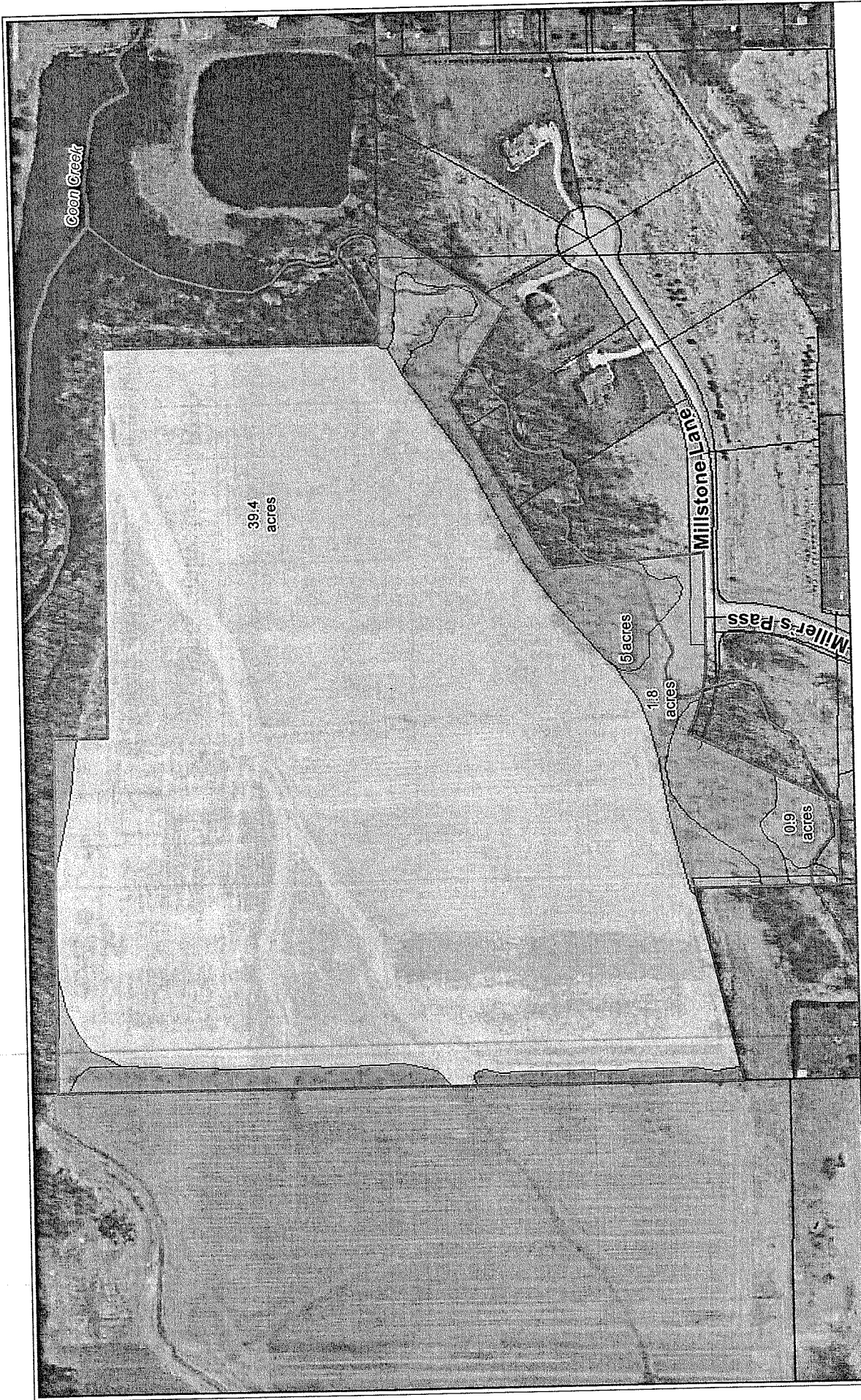


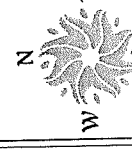
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






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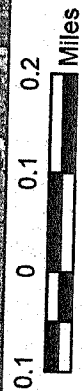
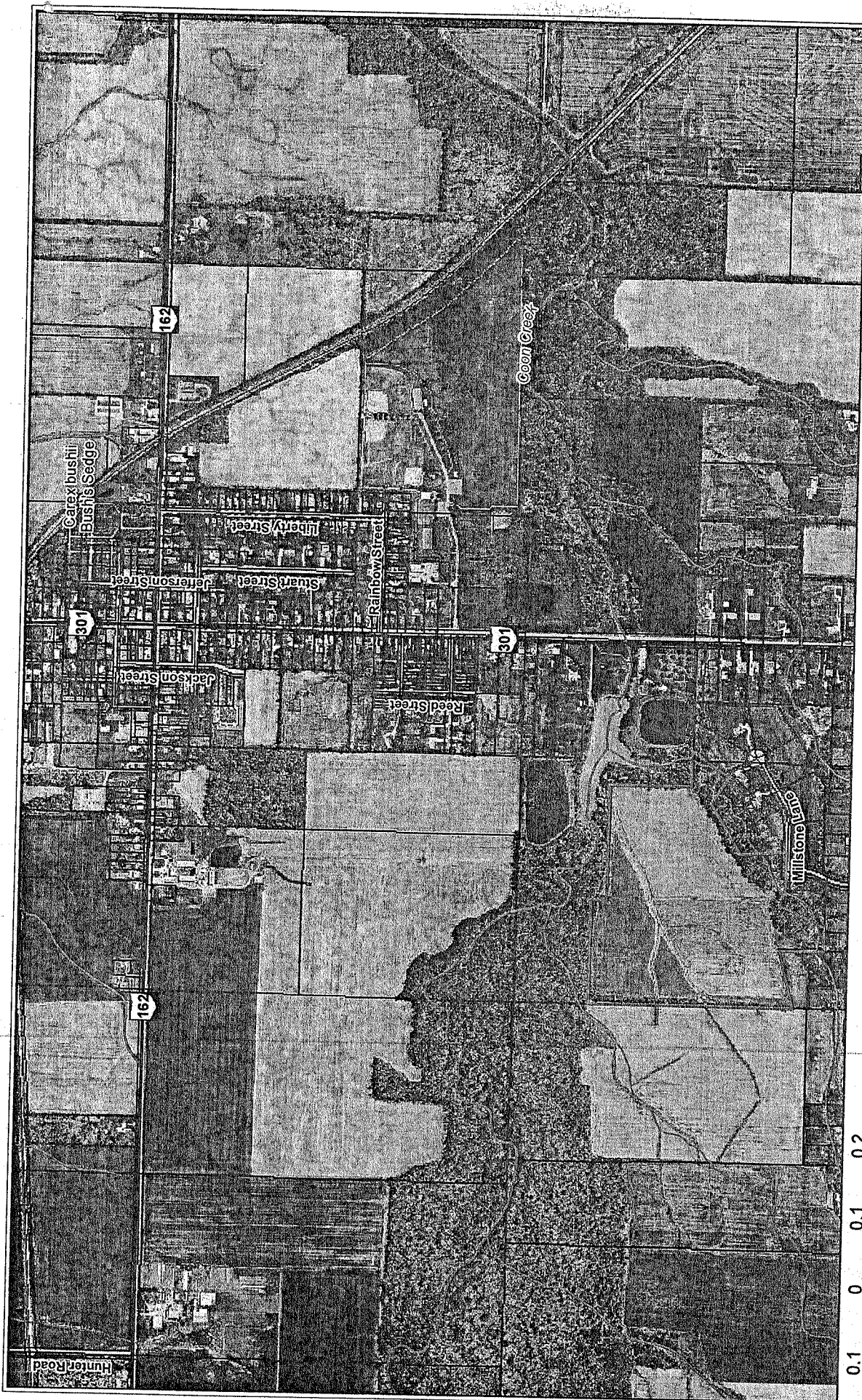
2011 Aerial Photo (OSIP)
Map Created 7/22/2013 sw





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

Land Cover: Lech - BDR

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




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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



Photo Points: Lech - BDR

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

150 0 150 300

Feet

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