



Rule 13 - MS4 ANNUAL REPORT

State Form 51278 (R6 / 7-12)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

- NOTE:**
- Annual reports must be submitted to the Indiana Department of Environmental Management. Failure to submit the annual report is considered noncompliance with your permit.
 - For the first five (5)-year permit term, this completed form must be submitted by 1 year from the SWQMP -- Part C submittal date and, thereafter, 1 year from the previous report (i.e., in years two (2) through five (5) of permit coverage).
 - In the second and subsequent five (5)-year permit terms, this completed form must be submitted in years two (2) and four (4) of permit coverage.
 - Please type or print in ink.
 - Please answer all questions thoroughly and return the form by the due date.
 - Return this form and any required attachments to the IDEM Storm Water Program, MS4 Coordinator at the address listed in the box on the upper-right.

For questions regarding this form, contact:

IDEM Office of Water Quality, Storm Water Program
MS4 Coordinator
100 North Senate Avenue, Room 1255
MC 65-42
Indianapolis, IN 46204-2251

Telephone: (317) 234-1601 or

(800) 451-6027, ext. 41601 (within Indiana)

Web Access: <http://www.IN.gov/idem/4900>

Five Year Permit Term	Reporting Year
<input type="checkbox"/> 1st Permit Term	Permit Year <u>2019-2020</u>
<input checked="" type="checkbox"/> Second and subsequent five (5) Year Permit Terms	<input type="checkbox"/> 1
	<input checked="" type="checkbox"/> 2
	<input type="checkbox"/> 3
	<input type="checkbox"/> 4
	<input type="checkbox"/> 5
	MS4s in their first permit term must submit reports annually. MS4s that are in subsequent permit terms must submit in years 2 and 4 of the permit term.

PART A: GENERAL INFORMATION - MS4 OPERATOR

1. Permit Number: INR 0 4 0 103	Type of MS4: <input type="checkbox"/> City <input type="checkbox"/> Town <input type="checkbox"/> County <input checked="" type="checkbox"/> Non-traditional
2. MS4 Entity: Valparaiso Lakes Area Conservancy District (Name of permit holder)	
3. MS4 Operator: Mickey Kohler	
4. Mailing Address: 1805 Burlington Beach Road Valparaiso, IN ZIP: 46383 County: Porter	
5. Email Address: mickeykohler@yahoo.com	

PART B: GENERAL INFORMATION - MS4 COORDINATOR

6. MS4 Coordinator (please print): Robert Minarich
7. Person's Title: General Manager
8. Mailing Address: 1805 Burlington Beach Road Valparaiso, IN ZIP: 46383
9. Telephone Number: 219-464-3770
10. E-mail Address: r.minarich@vlacd.org

PART C: GENERAL INFORMATION - REPORT PREPARER

11. Name: (Provide this information if someone other than MS4 Operator or Coordinator completed this report.)
12. Affiliation with the MS4:
13. Mailing Address: IN ZIP:
14. Telephone Number: Extension:
15. E-mail Address:

PART D: PROGRAM MANAGEMENT
327 IAC 15-13-18

16. Provide a summary of the following program management activities performed during the reporting period:

- a) If this is a co-permit, list all permittees and operators responsible for permit implementation for each entity.
- b) Identify changes to the MS4 area boundaries, including areas added to or lost to the MS4 area via annexation or other similar means. Provide a current map (8.5" X 11" or 8.5" X 14")
No change
- c) Identify follow-up or additional water quality characterizations completed during the reporting period if applicable.
N/A
- d) Provide updated receiving water information completed during the reporting period if applicable.
N/A
- e) Identify funding sources (utility fees, grants, enforcement fines etc) utilized for MS4 program implementation during this reporting period.
Property taxes
- f) Provide a list of new active industrial sites identified during this reporting period.
None
- g) Provide a list of facilities owned and operated by the MS4 that require Rule 6 (industrial storm water) permits.
None
- h) Provide a summary of complaints received and follow-up investigation results related to storm water quality issues during this reporting period.
Appendix A
- i) Other:

PART E: PUBLIC EDUCATION AND OUTREACH - MINIMUM CONTROL MEASURE

17. Identify the best management practices (BMPs) for public education and outreach included in your Storm Water Quality Management Plan (SWQMP) Part C and then respond to the following:

- a) Identify progress made towards development and implementation of each BMP for this minimum control measure (MCM) including timetables and measurable goals during this reporting period.
2019 we continued with our Earth Day booth, office open house, handout material at the office during workdays. News/alerts on our monthly billing. Booth at Naturepoolza. Website availability on MS4. Monthly report from Board meetings on website also. 2020 Same as 2019 without the booth or open house. Customer could not access the materials at the office.
- b) Describe implementation problems encountered and changes made due to ineffectiveness or infeasibility during this reporting period.
2020 with little or no contact with customers due to Covid. Have tried to get a program going with the local elementary. Still not allowing us to have any programs.
- c) Describe program BMPs that went beyond those identified in the SWQMP.
The Earth Day and Naturepoolza events and open houses were not included in Part C.
- d) Identify storm water BMPs installed or initiated for this MCM during this reporting period.
Tree seedlings, coloring books/crayons, Rain barrels Flyers and pamphlets
- e) Describe program implementation partnerships and explain successes and barriers during this reporting period.
Water sampling through the Clean Lakes Program, partnering with NISWAG, Chain of Lakes group with their Naturepoolza..
- f) Other:

PART F: PUBLIC PARTICIPATION AND INVOLVEMENT - MINIMUM CONTROL MEASURE

18. Identify the best management practices for public participation and involvement included in your SWQMP Part C and then respond to the following:

- a) Identify progress made towards development and implementation of each BMP for this MCM including timetables and measurable goals during this reporting period.
Working with Porter County recycling as a household battery drop off point. Photo included. We had hope to get one bucket filled per month but the customer buried us at times. Normally 4+ buckets per month. This will continue indefinitely. Rain barrels and seedlings giveaways. Phosphate letters sent out in bills hoping to keep that out of the lakes. Updates on website about recycling events with Porter county. Those will continue. Printed flyers for the Chain of Lakes group Naturepoolza event. 1500 in 2018.
- b) Describe implementation problems encountered and changes made due to ineffectiveness or infeasibility during this reporting period.
2020 was ruined.
- c) Describe program BMPs that went beyond those identified in the SWQMP.
Both flyer/phanlets and battery collection increase. Usually one one/two customers attend Board meetings. This has increase to 4-5. Also included is chart showing participation at Porter County Recycling by car count..
- d) Identify storm water BMPs installed or initiated for this MCM during this reporting period.
Same as those mentioned above.
- e) Describe program implementation partnerships and explain successes and barriers during this reporting period.
2019 had little problems, 2020 was given over to Covid.
- f) Other:

PART G: ILLICIT DISCHARGE DETECTION AND ELIMINATION - MINIMUM CONTROL MEASURE

19. Identify the best management practices for illicit discharge detection and elimination (IDDE) included in your SWQMP Part C and then respond to the following:

- a) Identify progress made towards development and implementation of each BMP for this MCM including timetables and measurable goals during this reporting period (mapping, screening, etc.).
Full mapping and screening were done years ago. Any new storm sewers are added annually.
- b) Describe implementation problems or challenges encountered, particularly as it relates to mapping and screening of outfalls during this reporting period.
No problems.
- c) Identify changes made to the IDDE Plan during this reporting period if applicable.
The addition of silt worms in our manual help the contractors that did need the
- d) Identify updates or revisions to IDDE ordinance or other regulatory mechanism made during this reporting period.
None
- e) Describe level of mapping and screening completed to date. If there are unmapped or unscreened outfalls, provide a plan and a timetable for completion.
Full screening has been done.
- f) Other:

PART H: CONSTRUCTION SITE STORM WATER RUN-OFF CONTROL - MINIMUM CONTROL MEASURE

20. List the best management practices for the construction site storm water run-off program identified in your SWQMP Part C and then respond to the following:

- a) Identify progress made towards development and implementation of each BMP for this MCM including timetables and measurable goals during this reporting period.
Being a small District and almost completely built out, there is little construction. However, this year we had one small office building, three new homes started and two razed. Each was inspected frequently and perimeter protection installed. 100% complete. In addition to freeholder concerns, a small drainage line was installed at Hillcrest Beach to catch road runoff before it flows through the beach area carrying silt and gravel.
- b) Describe program implementation partnerships and explain successes and barriers during this reporting period.
We work with both the County Stormwater and Valparaiso's MS4. Violations are reported to each as well as reported problems. Problems are still being worked out as to when a County road has a problem that the storm sewer along the road are to be maintained by them.
- c) Identify the number of construction sites permitted during this reporting period and identify the number and type of enforcement actions taken against construction site operators during the same period.
we do not issue building permits.
- d) Identify the number and types of training opportunities that were provided to contractors, developers, and builders during this permit period.
There was one contractor training in 2019.
- e) MS4 personnel responsible for plan review, inspection, and enforcement of construction activities shall receive, at a minimum, annual training addressing appropriate control measures, inspection protocol, and enforcement procedures. Identify training provided to MS4 personnel responsible for these activities during this reporting period.
Myself and Freeman attended a 2 day seminar for Storm Water Inspectors. Both of us are now certified. Over the two years I lost 3 field employees. Each would receive field training on spotting issues at construction sites.
- f) Identify updates or revisions to the storm water construction ordinance or other regulatory mechanism made during this reporting period.
None
- g) Other:

PART I: POST-CONSTRUCTION STORM WATER RUN-OFF CONTROL - MINIMUM CONTROL MEASURE

21. List the best management practices for post-construction storm water run-off control identified in your SWQMP Part C and then respond to the following:

- a) Identify progress made towards development and implementation of each BMP in the SWQMP including timetables and measurable goals during this reporting period.
The small office complex had a landscape crew come in and sod the property. There is work still continuing at the other residences but will be greening the yards as the weather breaks.
- b) Describe implementation problems encountered and changes due to ineffectiveness or infeasibility during this reporting period.
Usually the only problem is subs moving the worms and not replacing them daily. Contractors do take care of it.
- c) Describe program implementation partnerships and explain successes and barriers.
Soil and Water conservation seminars seems to help.
- d) MS4 area personnel responsible for implementation of the post-construction minimum control measure shall receive, at a minimum, annual training. Identify training provided for this minimum control measure during this reporting period.
The storm water inspection covered this scope of work. Regularly attending NISWAG does help. MS4 annual meeting in 2019 had some lectures and sales reps who were more than glad to explain new techniques.
- e) Identify updates or revisions to the post-construction storm water ordinance or other regulatory mechanism made during this reporting period.
None
- f) Other:

PART J: MUNICIPAL OPERATIONS POLLUTION PREVENTION AND GOOD HOUSEKEEPING - MINIMUM CONTROL MEASURE

22. List the best management practices for municipal operations pollution prevention and good housekeeping identified in your SWQMP Part C and respond to the following:

- a) Identify progress made towards development and implementation of each BMP in the SWQMP including timetables and measurable goals during this reporting period.
2019 we had conuning spraying sealant at the chimneys of manholes to prevent ground water seerage. Nearly 50 % of manholes are now done. We are looking at the dredging of our sediment pond. Board met on site with a contractor and went over the project. Getting ready to sample the sediment for continiates.
- b) Describe implementation problems encountered and changes due to ineffectiveness or infeasibility as it relates to pollution prevention and good housekeeping at MS4 owned and operated facilities during this reporting period.
Outr pole barn where many chemicals are kept for all types of jobs was overflowing in the secondary confinement bins. More shelves and bins were bought and chemical sorted better.
- c) Identify storm water BMPs installed or initiated at MS4 owned and operated facilities.
Nothing new.
- d) Identify and describe appropriate storm water training provided to MS4 employees. Employees are required to have a minimum training once per year.
Trained on spotting dangerous chemical mixes and spotting weak containers. Also checking bins for leakage or smells.
- e) Other:

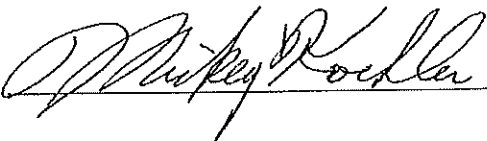
PART K: CERTIFICATION AND SIGNATURE

The individual listed in "PART A: GENERAL INFORMATION – MS4 OPERATOR" must sign the following certification statement:

"By signing this annual report, I hereby certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Type or Print Name: Mickey Koehler

Signature: _____



3-29-2021
(mm/dd/yyyy)

APPENDIX A

Program Management – Complaints

Field employees reported miscolored water entering our sediment pond. Backtracked it to a standpipe at the Valparaiso YMCA. The piping going to the ditch from the standpipe ruptured and was sucking in water and pond bottom silt. I reported it to Valparaiso and by the time I got back to the site and a city employee showed up the large detention (s) had drained nearly out. Much silt came through to our pond and towards Flint Lake. A new balloon was installed but the pipe ruptured again after the balloon. Again, more silt. It took several months before the City could replace the pipes and standpipe.

Other complaints from freeholders involved cleaning leaves from drains or slowly draining lines. Generally, the jurisdiction of whose is whose happened before the problem was solved. There is a 3 partner Memorandum of Understanding between the City, the County and us to solve these matters but it is vague, and we are working on that.

Other than that muddy water complaints from a subcontractor not replacing a worm or installing it fast enough are about it.

APPENDIX B

Above and beyond

Several projects have been started and are in various stages.

1. Blackhawk Beach subdivision – rough engineering on a complete storm sewer system. OCRA funds applied for but denied for not having enough points and full documentation. Considering alternatives to funding and scaling down work.
2. Kettle Lake – A large depression in the backyards of several homes and no proper outlet to get rid of storm water. Finally, one freeholder agreed to consider granting us an easement for a proper discharge line. Engineering and public input is under way. 8 Lots are available, and we are checking into obtaining them for a pre-detention pond before the storm water gets to Kettle Lake. Study is under way as well.
3. Dredging of sediment pond – badly needed. Applied for a LARE grant to do the study.
4. Armoring – We tried to get bids and permits for armoring up a ditch that flows into Flint Lake. It too was part of the LARE grant that did not go through. Will try again in 2022.
5. A study was conducted by Cardno to track the silt down. Samples were taken to identify the source. Not a success as the way it was done. Will attempt again.

Porter County Hazardous Waste Collection Historical Car Counts per Location

Year	Expo Center - 1	Portage - 1	Chesterton	Hebron	Kouts	Portage - 2	Expo Center - 2	Pines	Totals
2011	747	244	285						1,276
2012	795	487	426					323	2,031
2013	888	572	407					448	2,315
2014	740	907	412						2,059
2015	914	367	329	226		448	875		3,159
2016	380	344	266		210	294	412		1,906
2017	512	309	333	206		299	481		2,140
2018	489	366	392	n/a	179	356	541		2,323
2019	661	342	314	153	n/a	283	473		2,226
2020	469	Covid 19	365	n/a	112	covid 19	586		1,532

Porter County Recycling & Waste Reduction District Classroom Education Outreach

Students

MS4 Community	2016	2017	2018	2019	2020	Totals
Chesterton	832	787	789	735	580	3,723
Hebron	482	527	415	459	231	2,114
Kouts	113	405	218	172	57	965
Lakes Conservancy and Valparaiso	165	80	302	218	83	848
Portage	2,657	1,783	1,903	1,750	683	8,776
Porter	357	340	491	521	150	1,859
Porter County	2,531	1,876	2,441	2,518	888	10,254
South Haven	902	908	696	418	146	3,070
Valparaiso	1,634	1,297	1,711	1,674	378	6,694
Total	9,673	8,003	8,966	8,465	3,196	38,303

The Porter County row includes unincorporated areas such as Wheeler, Ogden Dunes, Boone Grove, and parts of Chesterton. In 2020, the Covid-19 pandemic affected Education Outreach Program by limiting the programs that could be held in person. Virtual programs had to be made available. Of the 2020 programs held, 86% were held in person, while 14% were held virtually. Most of those in person events were held pre-Covid.



Protecting:
Lakes of Canada, Deep, Flint, Long, Loomis,
Mink, Moss, Round, Silver, Spectacle and
Wauhob.

Committed to improve and maintain the highest standard possible for our watershed.

Dear Contributor,

On behalf of The Friends of Chain of Lakes, we would like to thank you for your participation in our Naturepalooza gathering. We feel it a privilege and an honor to be paired with an organization such as yours. Your financial support is greatly appreciated. In addition, thank you for helping us to educate and bring further consciousness on environmental issues to our community.

Very truly yours,

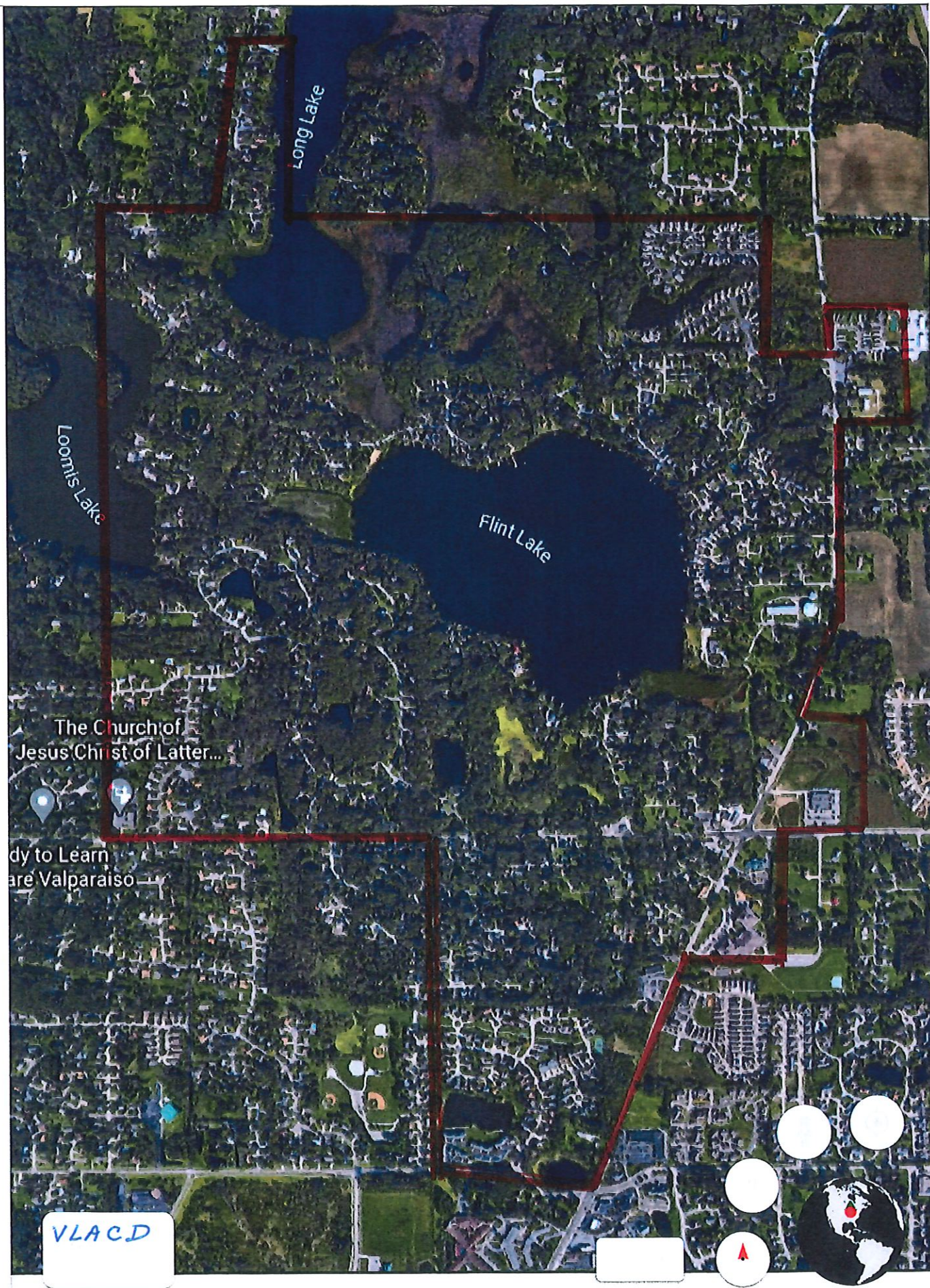
Friends of the Chain of Lakes

Valparaiso Chain of Lakes

c/o Walt Breitinger
255 Park Ave.
Valparaiso, IN 46383
(219) 462-5821 and breitin@frontier.com

Porter County Surveyor Kevin Breitzke, PE, LS
155 Indiana Ave. Suite 303
Valparaiso, IN 46383
(219) 465-3560 fax: (219) 465-3811
kbreit@porterco.org





100%

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