

ter Right Number 4346-3

1. Considered JANUARY 31, 1978
2. Name of Applicant GERARD MEYERINK
3. Post Office Address GEDDES, S.D. 3-98-67
4. Amount of water claimed .5
5. Source of water supply DUGOUT ^{100 AC. F.T. STORAGE} (PLATTE CREEK)
6. Water to be used for IRRIGATION
Acres to be irrigated 80
7. Water to be diverted and used in CHARLES MIX County
about 6N, 3W Miles of GEDDES
8. Proof of Publication Received 12-29-78
Not received
9. Application Approved 1-31-79
Subject to low-flow
Not approved
Action deferred
10. Remarks:

No. 4346-3Map No. 3549-3 Water Division No. 3 MISSOURI RIVER District
(Blanks to be filled by the Engineer for the W. R. C.)

APPLICATION FOR PERMIT

To Appropriate Water within the State of South Dakota

(NOTE--Draw a line through items not applicable)

1. Name of Applicant Gerard Meyerink
 Postoffice address Geddes, State South Dakota 57342
 If a corporation show date and place of incorporation _____
2. Method of accomplishing work (contract, employment of others, or by direct labor) employment of others
3. Name of diversion work Meyerink #1
4. Amount of water claimed (cubic feet per second) .5 cfs
5. Source of water supply Platte Creek (DUGOUT)
6. Location of point of diversion NW 1/4 NE 1/4 3-98-67

County Charles Mix

7. Annual period or periods during which water is to be used June, July, August & September
8. Use to be made of water (irrigation, industrial, municipal, commercial, recreation, etc.) Irrigation
9. For irrigation use, Total number of acres to be irrigated 80

List below each forty acre subdivision, or lot, or fraction thereof and show number of acres to be irrigated in each

Land Description	No. Acres Irr.	Land Description	No. Acres Irr.
80 ac. in NW 1/4 3-98-67	80		
100 ac. ft. holding pond would be used for supplemental irrigation			

Attach sheet if more space is needed

10. Time required to complete construction of water supply system 5 years. Additional time required to complete application of water to the proposed beneficial use 14 years.
11. Choice of newspaper for Notice of Intent to Appropriate Water publication Platte Enterprise
12. Principal Features of the Proposed Water Supply System.

A. Works proposed to divert water from its natural source.

Low pressure pump

B. Works proposed to transport water to place of use.

~~XXXXXX~~ Aluminum Pipe

C. Works proposed to apply water to beneficial use.

Big Gun SprinklerEstimated Total Cost \$ 20,000

Attachments: Attach Form 2A if diversion from a well or dugout, or if storage of water, is proposed. Attach map.
 (See instructions concerning preparation.)

STATE OF SOUTH DAKOTA)

County of Charles Mix) ss.

I, Gerard Meyerink, the applicant, certify that I have read the foregoing application and have examined the attached map and that the matters therein stated are true and that I intend, and am able to complete the necessary construction

Signed Gerard MeyerinkSubscribed and sworn to before me this 23 day of October 1978

Notary Public (or other qualified officer)

Com. 10/20/82

WATER RIGHT APPLICATION APPROVAL

The Water Rights Commission hereby approves Water Right Application No. 4346-3

GERARD MEYERINK

(Applicant)

GEDDES

(Post Office Address)

SOUTH DAKOTA 57342

(State)

With the following modifications:

Low flows as needed for downstream domestic use, including livestock watering must be by-passed.

Approval of this permit authorizes the storage of 100 acre feet annually.

Date of first receipt of application NOVEMBER 1, 19 78

Date of return to applicant for correction, amendments or changes required _____, 19 _____

Date of receipt of corrected application _____, 19 _____

Approved JANUARY 31, 19 79, Recorded in Book 20 Page 179

WATER RIGHT PERMIT NO. 4346-3

The Water Rights Commission hereby grants and issues this Water Right Permit No. 4346-3 authorizing the construction of the water use system and the putting of water to beneficial use as stated in the Application and as modified in the Water Right Application approval, subject, however, to the following limitations and conditions:

1. The date from which applicant may claim right is NOVEMBER 1, 19 78
2. The equivalent of at least one-fifth of the work above specified is to be completed on or before JULY 31, 19 81
3. The whole of said work is to be completed on or before JANUARY 31, 19 84
4. The limit of time from proof of beneficial use of water appropriated in accordance herewith is JANUARY 31, 19 88
5. The water appropriated shall be used for the purpose of IRRIGATION

6. The prior right of all persons who, by compliance with the laws of the State of South Dakota, have acquired a right to the use of water must not be injuriously affected by this appropriation.

7. The amount of the appropriation herein granted shall not exceed .5 cubic feet per second; neither shall it exceed the capacity of the above described water supply system, nor shall it exceed the amount of water needed for beneficial uses served, and if for the irrigation purposes said appropriation must be limited to not more than 3 acre feet per acre per year and be limited to not more than one-seventieth (1/70) of one cubic foot of water per second of time for each acre of land to which water is

actually and beneficially applied for irrigation on or before JANUARY 31, 19 88; said water to be used during the following described annual period: JUNE - SEPTEMBER

Witness my hand this 27th day of FEBRUARY, 19 79

WATER RIGHTS COMMISSION

By:

John Hatch
Chief Engineer, Executive Officer

Certificate of Construction Issued _____, 19 _____

Water License Issued _____, 19 _____

4346-3

Edward Meyerink

Re Mr. Henry Sprick - neighbor
of Meyerink concerned about his
dugout. He is not protesting
the use of effluent water but wanted
to be protected. I told him
domestic water is protected
for household use and that
this is placed on the permit.
Told him we would notify
him of the results of hearing

BW

Form 2A - Wells, Dugouts or Water Storage Dams (Supplement to form 2)

12. Principal Features of the Proposed Water Supply System (continued.)

D. Well Information or Estimates

- (1) Drill Hole, Diameter _____, Depth _____
- (2) Casing, Type _____ Diameter _____ Thickness _____
(wood, concrete, steel, etc)
- (3) Perforated Screen.
Type _____, Diameter _____, Length _____
- (4) Gravel Pack, Thickness _____, Length of gravel pack _____

E. Dugout Information or Estimates.

- (1) Surface dimensions 9.2 acre, Depth 11 feet

F. Fill out for Either a Well or a Dugout.

- (1) Water Bearing Materials. (Please attach a copy to test well log if available.)

Character of Water bearing materials Water will be pumped from Pease Creek
to fill holding pond.

Depth to top of water bearing material _____

Depth to bottom of water bearing material _____

Thickness of water bearing material _____

Depth to water (ground surface to water level) _____

- (2) Distance to nearest existing household or livestock watering wells.

On same owner's property _____ rds. On property owned by others _____ rds.

G. Water Storage Dams.

If the proposed water use system contains one or more water storage dams, please show in the space below, the height, maximum water depth, surface area and storage capacity of each storage dam. The location of each water storage dam should be shown on the water right map.

David J. Meyer
Signature of Applicant

RECEIPT

WATER RIGHTS COMMISSION
State of South Dakota

N^o 4 6584

PIERRE, December 4, 1978

RECEIVED OF Gerard Meyerink, Geddes SD

the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit to Appropriate Water No. 4346-3 (examination, processing, recording and filing)	75	00
Fee for Inspecting Construction, and Issuing Cert. of Construction No.		
Fee for Inspecting Beneficial Use, and Issuing Water License No.		
Fee for Issuing Location Certificate-Dry Draw, No.		
Fee for filing		
Fee for certified copy of		
Fee for Print copy of map		
Fee for Certifying		
Fee for (any other work as provided by law)		
TOTAL	75	00

WATER RIGHTS COMMISSION

By *John Hatch*
Chief Engineer, Executive Officer
JOHN HATCH k.j.w

RECEIPT

WATER RIGHTS COMMISSION
State of South Dakota

N^o 4 6565

PIERRE, NOVEMBER 1, 1978

RECEIVED OF Gerard Meyerink, Geddes SD 57342

the following amount in fees for services rendered as provided for by law:

Fee for Application for Permit to Appropriate Water No. 4346-3 (examination, processing, recording and filing)	150	00
Fee for Inspecting Construction, and Issuing Cert. of Construction No.		
Fee for Inspecting Beneficial Use, and Issuing Water License No.		
Fee for Issuing Location Certificate-Dry Draw, No.		
Fee for filing		
Fee for certified copy of		
Fee for Print copy of map		
Fee for Certifying		
Fee for (any other work as provided by law)		
TOTAL	150	00

WATER RIGHTS COMMISSION

By *John Hatch*
Chief Engineer, Executive Officer
JOHN HATCH k.j.w

No. 4346-3

Publish first publication, on or before December 29, 1973

NOTICE OF HEARING ON
APPLICATION TO APPROPRIATE WATER

Pierre, South Dakota 57501

December 7, 1973

Notice is hereby given Gerard Meyerink whose post office address is Geddes, South Dakota, has made an application in accordance with the provisions of SDCL 46-1-1 thru 46-1-9, 46-1-14; 46-2-9 thru 46-2-11, 46-2-13; 46-5-1 thru 46-5-8, 46-5-10 thru 46-5-22, 46-5-41, and Commission Rules ARSD 52:01:01:01 thru 52:01:01:13, for a permit to appropriate for beneficial use .5 cubic feet of water per second of time from the A dugout (Platte Creek) through the Meyerink #1, the point(x) of diversion of which is (xxx) to be located in the HWA PER

of Section 3, Twp. 98N, Range 67W. Said water to be used for the purpose of providing irrigation on portions of the following described land:

HWA, Section 3-T98N-R67W.

This Application No. 4346-3 will be considered by the Water Rights Commission at the SDEA Auditorium, 411 E. Capitol, Pierre, SD upon the 31st day of January 1974

at 10 A.M. The Commission is authorized to make a determination on this application at the hearing. All interested persons may appear and be heard. Any person who may be affected by a Commission decision who desires to present evidence or cross-examine witnesses according to SDCL 1-26 may notify the Commission in writing prior to the hearing or orally at the hearing.

This hearing is an adversary proceeding. Any person has the right to be present or to be represented by a lawyer. These and other due process rights will be forfeited if they are not exercised at the hearing. Decisions of the Commission may be appealed to the Courts as provided by law.

WATER RIGHTS COMMISSION

Betty Westlund,
Water Rights Specialist

cc: Gerard Meyerink, Geddes, SD 57342

No. 4346-3

PROOF OF PUBLICATION

STATE OF SOUTH DAKOTA)
County Charles Mix) ss.

I, Ralph Nachtigal hereby
certify that the annexed printed copy of Notice of Intent to Appropriate
Water was taken from the Platte Enterprise

A newspaper which during the whole time of publication of said notice
herein after stated, has been and is printed and published in the
City of Platte

County of Charles Mix and State of South Dakota;
that the said notice was published in said newspaper on the following
two dates:

Dec. 14 & Dec. 21

Ralph Nachtigal
(Signature)

Publisher
(Title)

Dec. 25, 1978
(Date Signed)

**PUBLIC
NOTICES**
"BECAUSE THE PEOPLE
MUST KNOW"

**NOTICE OF HEARING ON
APPLICATION TO
APPROPRIATE WATER**

Notice is hereby given that
Gerard Meyerink, whose post
office address is Geddes,
South Dakota, has made an
application in accordance
with the provisions of SDCL
46-1-1 thru 46-1-9, 46-1-14; 46-2-9
thru 46-2-11, 46-2-13; 46-5-1 thru
46-5-8, 46-5-10 thru 46-5-22,
46-5-41 and Commission Rules
ARSD 52:01:01:13, for a per-
mit to appropriate for benefi-
cial use .5 cubic feet of water
per second of time from a
dugout (Platte Creek) through
the Meyerink No. 1, the point
of diversion of which is to be
located in the NW $\frac{1}{4}$ NE $\frac{1}{4}$ of
Section 3, Twp. 93N, Range
67W. Said water to be used for
the purpose of providing irri-
gation on portions of the
following described land:
NW $\frac{1}{4}$, Section 3-T93N-R67W.
This application no. 4346-3



76
4346-3

February 1, 1979

Henry Sprick
Geddes, SD 57342

Dear Mr. Sprick:

This is to inform you that the Water Rights Commission approved Mr. Gerard Meyerink's Water Right Application No. 4346-3 on January 31, 1979.

If you have any further questions feel free to contact this office.

Sincerely,

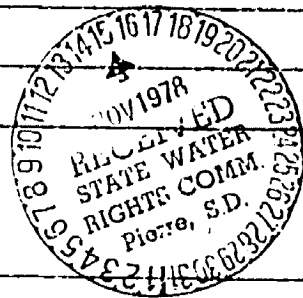
BETTY WESTLUND
Water Rights Specialist I

BW/gy

Water Right Copy

STATE CONSERVATION COMMISSION
SUPPORTING INFORMATION
FOR APPROPRIATION OF GROUND WATER IN ACCORDANCE
WITH SDCL 46-6-3 AS AMENDED
(THIS FORM REQUIRED FOR PROPOSED GROUND WATER IRRIGATION ONLY)

NAME Gerard Meyerink
ADDRESS Geddes, South Dakota 57342
COUNTY Charles Mix



LEGAL DESCRIPTION

1. ^{Dugout} ~~WELL~~ LOCATION NW 1/4 NW 1/4 3-93-67
2. LOCATION OF AREA TO BE IRRIGATED NW 1/4 3-98-67

TYPE OF IRRIGATION

3. GRAVITY _____ TOWLINE _____ CENTER PIVOT _____ GUN x
4. CROPS TO BE IRRIGATED Corn, Alfalfa

WATER QUALITY

5. SAMPLE NUMBER 178-950
6. SALINITY (EC x 10⁶) 1200 high
7. SODIUM (SAR) 1.7 - 2.5 adjusted for bicarbonate
8. RESIDUAL SODIUM CARBONATE (meq/l.) 0

I do hereby certify that a chemical analysis of the ground water representative of that used to irrigate shall be acquired from South Dakota State University and; the soils information has been acquired from Charles Mix Conservation District, County Extension office or Soil Conservation Service, and; that the legal description for the location of the well and land to be irrigated is true and correct.

Gerard Meyerink
APPLICANT'S SIGNATURE

SUBSCRIBED AND SWORN BEFORE ME THIS
23 DAY OF October 19 78.

(TITLE OR SEAL)

Albert L. Hoff

APPROVED/NOTARIZED

(SOILS INFORMATION ON REVERSE SIDE)

Charles Mix Co.

Gerard Meyerink, Geddes, So. Dak. 57342



81B	Eakin-Ethan Complex Eakin part Ethan part	IIC2 IIIC12
25	DeGrey-Walke silt loams DeGrey part Walke part	IVs2 IIIs1
82A	Highmore-Walke silt loam Highmore part Walke part	IIC2 IIIs1
45	Onita siltloam	IIC3
46	Onita-Tetonka silt loam Onita part Tetonka part	IIC3 IVw1
100	Worthing silt loam, (ponded)	VIIHw1

INTAKE RATES

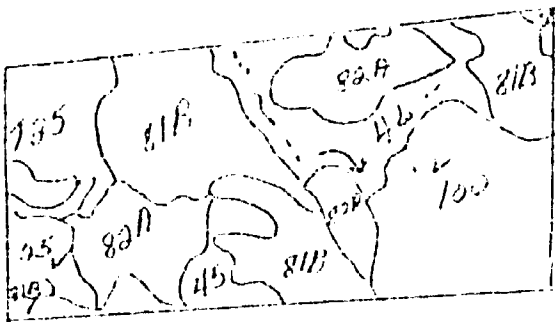
Eakin	0.3
Ethan	0.5
DeGrey	Not irrigable
Walke	0.1
Highmore	0.3
Onita	0.5
Tetonka	0.1
Worthing	Not irrigable

- IIC2 Deep, loamy soils on gently undulating (2 to 6%) upland slopes. They have moderate wind and water erosion hazards.
- IIIC12 Deep and moderately deep, loamy soils with limy subsoils on gently undulating and gently sloping (2 to 6%) uplands. They have moderate to severe wind and water erosion hazards.
- IVs2 Moderately well drained soils with 4 to 10 inches of friable, loamy surface layers over dense, very slowly permeable, claypan subsoils that contain salts. They occur in nearly level (0 to 2%) upland swales and on uplands.
- IIIs1 Deep, loamy soils on nearly level (0 to 2%) uplands that have claypan subsoils. The clayey subsoils restrict rooting, water penetration, and water release to plants. They have a slight to moderate wind erosion hazard.
- IIC2 Deep, and moderately deep, loamy, well drained soils on nearly level (0 to 2%) uplands. Moisture is inadequate in most years and these soils have slight to moderate wind erosion hazard.
- IIC3 Deep, loamy, well to moderately well drained soils in upland swales that receive beneficial moisture. However, moisture is still inadequate in most years.
- IWI Deep, loamy, poorly drained, soils on bottom lands and in depressions. An intermittent water table, occasional flooding, or salinity severely limits use.
- VIIWI Marshes having more than 50 percent vegetation not suited for grazing. Best suited for wildlife and recreation.



1000' 400'

1000' 400'
100 Ac. E1



N¹/₂ 3-98-67

Gerard Meyerink



82A 1/2 1/2

46 1/2 1/2

81A 1/2 1/2

45 1/2 1/2

21 1/2 1/2 (Handwritten)

100 Ac. x 1000

1000

25 Ac. x 1000

25 Ac. x 1000

25 Ac.

112.500

25.000

137.500

1375

REPORT OF ANALYSIS
Water Quality Laboratory
Water Resources Research Institute
South Dakota State University
Brookings, South Dakota 57007

Submitted by: Jeffrey J. Overink
 Address: Brookings, SD 57342

Date Rec'd: October 25, 1978
 Sample No. 78-980
 Identification: all - Digest
Nov. Dec. 3, T 98H, R 67H

WATER ANALYSIS

Calcium (Ca)	94	ppm*	4.70	me/l**
Magnesium (Mg)	64	ppm	5.25	me/l
Sodium (Na)	60	ppm	2.61	me/l
Potassium (K)	50	ppm	1.30	me/l
Sulfate (SO ₄)	374	ppm	7.78	me/l
Nitrate (as N)		ppm		me/l
Chloride (Cl)	33	ppm	0.92	me/l
Bicarbonate (HCO ₃)	186	ppm	3.04	me/l
Carbonate (CO ₃)	36	ppm	1.20	me/l
Iron (Fe)		ppm		me/l
Fluoride (F)		ppm		me/l
Hardness (EDTA as CaCO ₃)		ppm		g.p.g.***
Alkalinity (Methyl Orange)	152	ppm (as CaCO ₃)		
Alkalinity (Phenolphthalein)	60	ppm (as CaCO ₃)		
Electrical Conductivity	1200	micromhos per cm at 25° C.		
Sodium Adsorption Ratio	1.17	Adjusted SAR	2.35	
Sodium	18.83	% of cations		
Residual sodium carbonate	0.00	me/l		
pH	8.63			

Others:

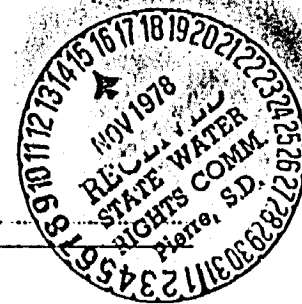
*ppm=parts per million

**me/l=milleq. valents per liter

***g.p.g.=grains per gallon

COMMENTS: Total cations 13.86 me/l
 Total anions 12.94 me/l

By: Shirley Nittan



Service Performed

Amount Due

Analysis only

15.00 + 1.00

Make checks payable to: Water Quality Laboratory

Cut along dotted line and return the lower portion with payment

Sample No. 78-930

Amount Enc'd \$.....

Signed.....

REC-MEM/FORM
6/77

Approved
SURFACE

August

SOUTH DAKOTA DEPARTMENT OF AGRICULTURE
DIVISION OF CONSERVATION

(RECOMMENDED MANAGEMENT)

NAME OF APPLICANT Gerald Meyerink Geddes, South Dakota

RECOMMENDED MANAGEMENT:

1. Water should not be applied more than 1, 2, 3, 4, 5, times during the irrigation season.
2. Each uninterrupted application (one rotation of center pivot) should be of at least 1, 2, 3, 4, inches of water.
3. ☒ Yes ☐ No Surface drainage suggested-If necessary to keep excess waters from ponding.
4. ☐ Yes ☐ No Subsurface drainage suggested
5. ☒ Yes ☐ No Specific land areas that should be avoided
Soils 25 and 100; also the lower laying parts of 46.

6. ☒ Deep tillage (For the purpose of adding movement of water through dense subsoils)
7. ☐ Heavy fall application of irrigation water

With your gun system, you can easily select the better soils to irrigate.

Because your water supply depends entirely upon runoff (rain or snow) and cannot be depended upon to the same extent year after year, you will probably watch the number of acres of corn you plant. Deep rooted alfalfa can withstand dry weather, and maybe should be the crop from which to go without water if that becomes necessary.

Copy to Applicant - 1
Copies to Water Rights - 2
Copy to File - 1



Water Rights Division - DWR
Conversation or File Documentation

File No. 4346-3

NAME OF PERSON OR FILE. Gerard Meyerink

ADDRESS: RR1, Box 130 Geddes, SD 57342 COUNTY Charles Mix

DATE: _____ TELEPHONE _____

RE: _____

COMMENTS:

The publication notice for Water Permit No. 4346-3 was readvertised on June 2 and June 9, 1988 in the Charles Mix County News. The original notice of hearing, published on December 14 and 21, 1978 in the Platte Enterprise incorrectly identified the water source as Platte Creek. The correct water source is a tributary to Pease Creek. The Water Management Board approved this at their July 27, 1988 meeting.

File in Permit or other file as necessary. Use to document conversations and what the other party was told; why action or decision was made.

NAME: David A. Bowser



4344-3
DEPARTMENT of ENVIRONMENT
and NATURAL RESOURCES

JOE FOSS BUILDING
523 EAST CAPITOL
PIERCE, SOUTH DAKOTA 57501-3181
www.state.sd.us/denr

SEP 8 1998

5776-3

Gerard Meyerink
37116 279th St.
Geddes, SD 57342

Dear Mr. Meyerink:

Enclosed is Water License No. 5776-3 and Receipt No. 413926 for \$50.00 which was assessed for an investigation and issuance of the license. Water License No. 5776-3 is the final document which completes the process of obtaining a water right.

As long as you use the water beneficially, as stated in the Water License, State Water Laws provide that you have a continuing right to use the water.

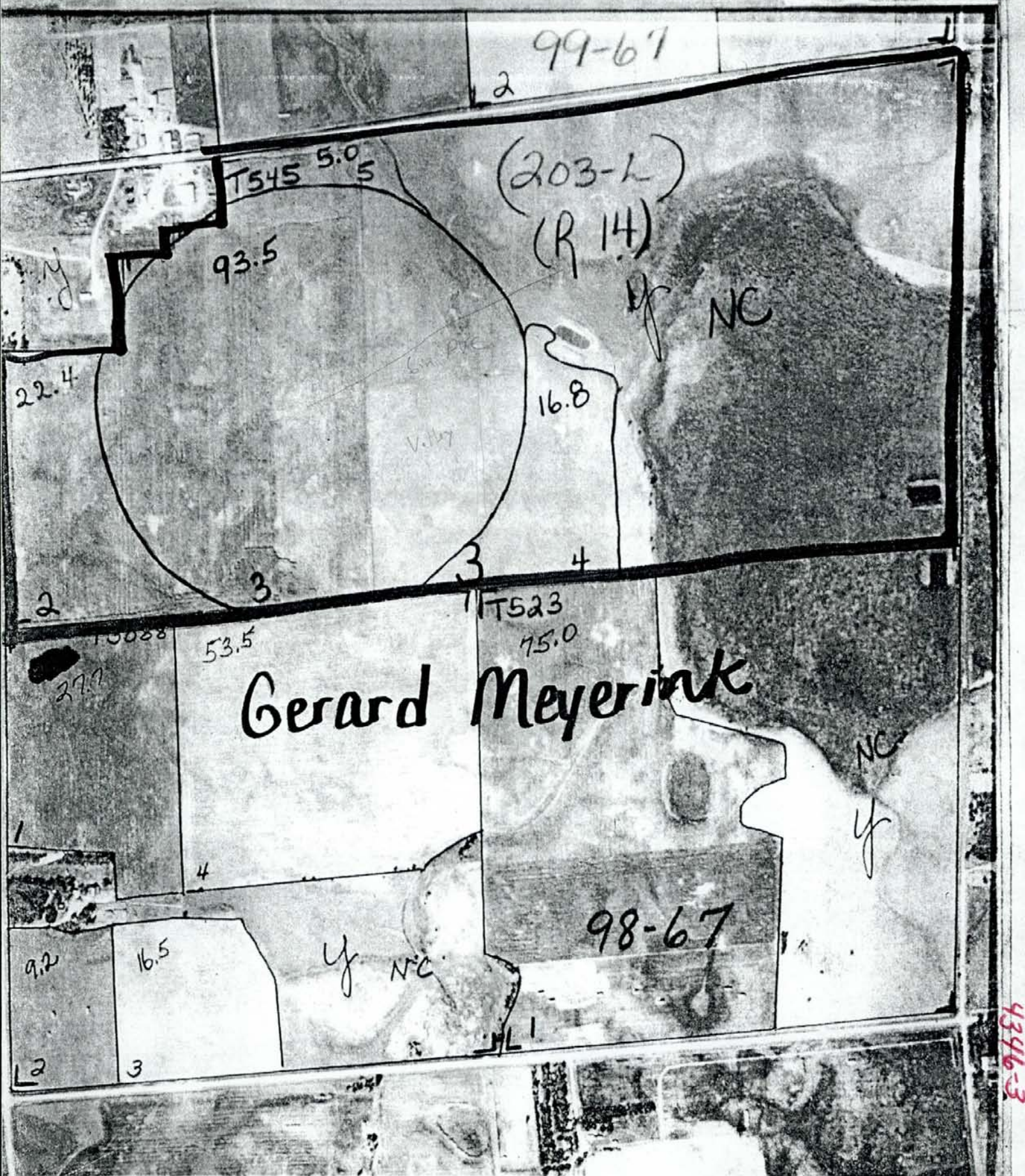
Very truly yours,

JOHN HATCH, Chief Engineer
Water Rights Program
(605) 773 3352

gm
enclosures

NOTE: The applicable portions of Water Permit Nos. 4346-3 and 5179-3 have been incorporated into this license.

NOT TO SCALE



4346-3

NOT TO SCALE

99-67

(2-200)

26.6 Holding Pond

Area To
be Irrigated

PIPE LINE

TRIPPING SITE

3

29.3

53.5

74.4

9/8

9.6

9.2

16.5

9/8

Jyl IV. Lobene
RCOD Coordinator

98-67

~~MAP NO. 83412~~

APPL. 4346-3