P09-003TA

Permit No. _____
A.I. No. _____

STATE OF MISSISSIPPI

Application No. **A1658TA**

AI#18717

APPLICATION TO AMEND AN EXISTING PERMIT

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF GEOLOGY / MINING & RECLAMATION DIVISION
P. O. Box 2279
Jackson, Mississippi 39225-2279
(601) 961-5515
Fax (601) 961-5521

Other permits required:	Y/N	Date
NPDES		
State Operating Permit		
Corps of Engineers		

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City/County approval
Required Yes ___ No ___
Received Date: _____
County _____
City _____

A. GENERAL INFORMATION

Existing Permit No. P09-003T **Current Acreage** 51

1.. Name of Applicant: Wet Mine Asset Holdings, LLC
Mailing Address: 105 Street A, Picayune, MS 39466
E-mail Address: sbayman@shalesupport.com
Phone No. 601-798-7821 Fax No. 601-798-7823
Authorized Representative Scotti Bayman

2. Engineering Firm, Consultant, etc.: _____
Mailing Address: _____
E-mail Address: _____
Phone No. _____ Fax No. _____

3. Name of Mine: Middle Mine Mine Supervisor: Kenneth Lee
Phone No. 601-798-7821 Fax No. 601-798-7823

4. Location of Operation (to nearest quarter-quarter section): bcc 06/02/2017
Nicholson SE¼ of IR Sect. 7 7,11,14 7S 17W Hancock
bcc 06/02/17 SW Portion of IR Sect. 11, N¼ of Sect. 14 Section Township Range County

5. Physical address or nearest named road 9001 Hwy 607, Nicholson, MS 39463

6. **Type of Amendment**
☑ Amendment to Expand Operation ☐ Amendment not involving an acreage change

7. Method of Operation
☐ Open Pit ☐ Strip ☑ Dredge ☐ Wash Operation, if so Water Source _____
Wash System Type ☐ Closed system ☐ Open system

8. Acres of new excavation → 113
New haul roads, plant site, storage piles, etc. → 0
Total new acreage → 113

Number of acres already permitted → 51
Total acres for amended permit → 164

Materials to be mined Aggregates

9. Is the Permit Area located:

	Yes	No
a. within 100 feet of a public road?		✓
b. within 100 feet of a cemetery?		✓
c. within 300 feet of an occupied building?		✓

If YES to a, b, or c, a letter must be filed with the Office giving permission from the owner or maintaining authority to mine within these distances to the subject property.

10. Has the applicant applied for, or have, any other permits or licenses that pertain to this or any other mining operation? Yes ✓ No ___

If "YES," list them in the space provided on page 5, or attach separate pages, and give the current status of each, including any violations or penalties.

B. MINING PROCEDURE AND ENVIRONMENTAL ANALYSIS

1. Description of materials:

Thickness of overburden (Topsoil **MUST** be stockpiled for use during reclamation)	8	ft.
Thickness of useable material	60	ft.
Total depth of excavation	65	ft.
Estimated annual production	1.3 m	tons

2. Anticipated Schedule (month/year)

Begin clearing	5 / 17
Begin mining	7 / 17
Complete mining	7 / 23
Begin reclamation	7 / 23
Complete reclamation	7 / 24

3. Depth to ground water: 6.5 ft.

4. How will dust be controlled?

☑ Water on haul roads

☐ _____

5. Types of erosion control structures that will be utilized.

☐ Settling ponds ☐ Drainage ditches

☐ Diversion berms ☑ Terraced slopes

☑ brush barriers, silt fence, BMPs

6. Describe the land to be affected by mining as it presently exists:

a. Land use _____ b. Predominant vegetation _____

7. Will explosives be used? ___ Yes ✓ No

8. Is test-boring data available? ✓ Yes ___ No

9. Are toxic materials likely to be encountered at any time? ___ Yes ✓ No

10. Will there be any discharge to local streams or other bodies of water? ___ Yes ✓ No

If any of questions 7-10 are answered "YES," provide additional information on page 5, or attach separate pages.

C. RECLAMATION PLAN

NOTE: It is suggested that the county NRCS office be consulted for specific recommendations on the following items.

1. Describe the soil handling technique for the reclamation phase of the operation:

☑ Topsoil segregated ☐ Mixed strata ☐ _____

2. Describe the protection method for the stockpiled topsoil.

☐ berm around the storage pile

☑ grass cover on the pile (recommended)

☐ stored under a cover

☐ _____

3. How will highwalls, standing faces, and banks be reduced to minimize erosion? (All highwalls must be sloped, minimum 3 horizontal to 1 vertical.)

☐ slopes will be terraced

☑ sloped to a gradient of 3 to 1

☐ blended with surrounding contours

☑ highwalls eliminated

4. What is the general plan for reclamation?

- ☐ reforestation
- ☐ establish grass cover
- ☑ pond or lake
- ☐ _____

5. What planting method will be used?

- ☐ broadcast seed
- ☑ mechanical seeding
- ☐ seeding by manual labor
- ☐ _____

6. How will fertilizer and lime be applied and incorporated?

☐ harrowing ☑ broadcasting ☐ disking

7. Quantity of lime and fertilizer to be applied?

a. For initial planting

lime: 2 tons per acre

fertilizer: 13 - 13 - 13 (type) 800 pounds per acre

b. For successive years prior to 100% release

fertilizer: 13 - 13 - 13 (type) 400 pounds per acre

when: July (month)

8. Describe the planting schedule:

Tree or Seed Species	Tree spacing or lbs./acre	Planting Season
Lahia	25 lbs/acre	Fall

9. Will the area be mulched? ___ Yes ✓ No If yes, rate per acre _____

Method of holding in place: ☑ crimped ☐ _____

10. How will the vegetation be maintained until the final bond release?

- ☑ watering
- ☑ mowing

times per year 2

approximate month(s) May - September

- ☑ repairing gullies
- ☐ replanting eroded areas
- ☐ _____

11. How will debris be disposed of when the mine is finally closed?

☐ burying ☑ burning ☐ hauling away

12. Will a soil analysis be submitted for this site? ✓ Yes ___ No
NOTE: available from the Cooperative Extension Service through the applicant's County Agent

13. Estimated cost per acre for reclamation of this site: $1,000 (minimum of $1,000 per acre)

D. NAMES AND ADDRESSES OF PERSONS AFFECTED BY THIS OPERATION

1. Landowner(s) of area to be mined/leased

Name: Wet Mine assets Holdings, LLC
Address: 105 Street A
Picayune, MS 39466
Phone: 601-798-7821

Name:
Address:
Phone:

2. Landowner(s) within 500 feet of the area

Name: James Thigpen
Address: RT 5 Box 565
Picayune, MS 39466
Phone:

Name: J G Frierson
Address: 402 Abbey Woods
Brandon, MS 39047
Phone:

Name: Kelly Barber
Address: P.O. Box 1089
Pearl River, LA 70452
Phone:

Name: Timothy Kellar
Address: 15780 Absobro Oks Rd
Picayune, MS 39466
Phone:

3. Person(s) living on permit area

Name:
Address:
Phone:

Name:
Address:
Phone:

I declare that I have knowledge of the facts presented in the preceding pages and in all of the items attached to this application; furthermore, I certify that they are true to the best of my knowledge.

6/2/2017
date

Scotti Bayman
signature

Scotti Bayman
printed name

HSE/ Quality Director
title

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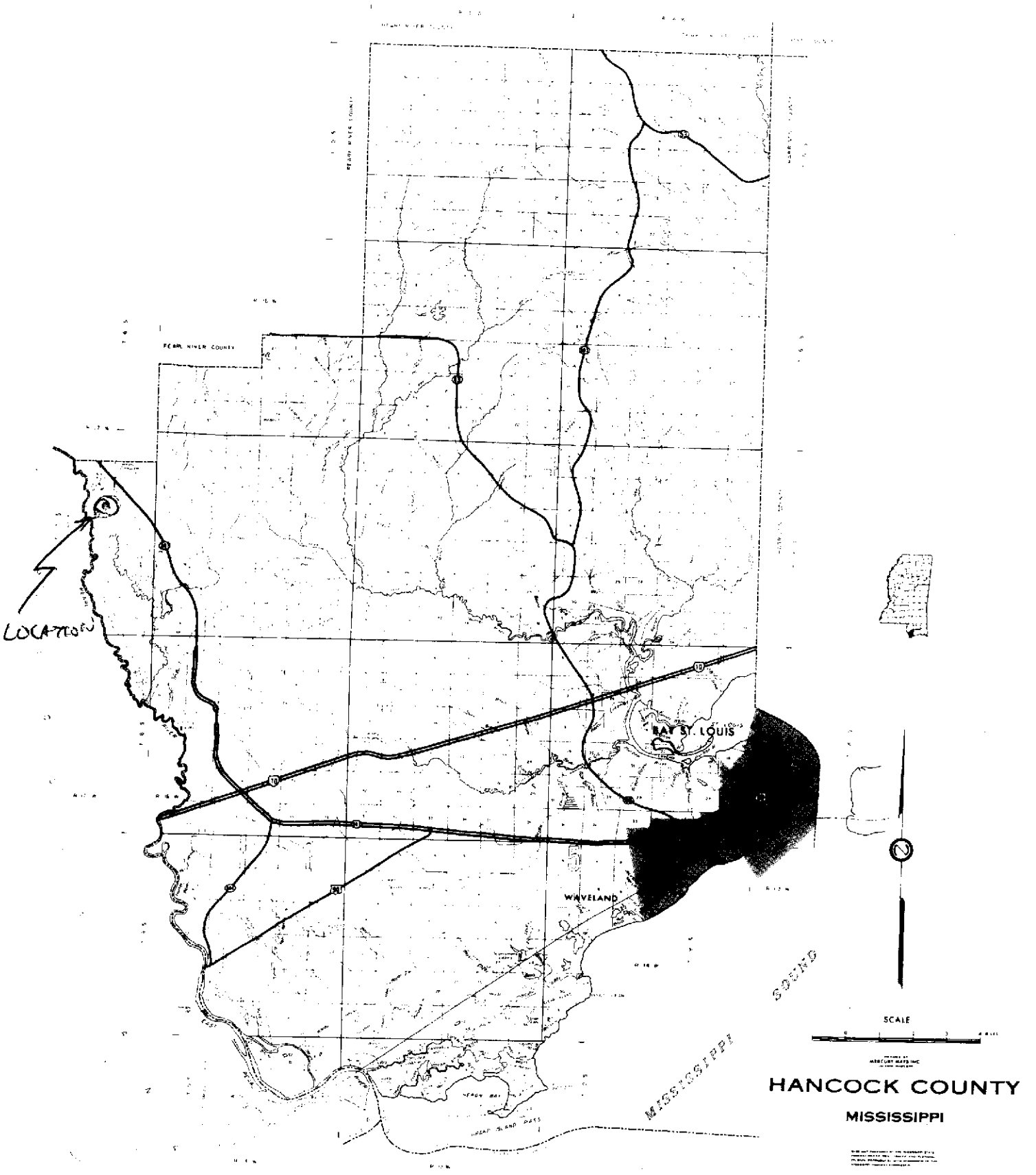
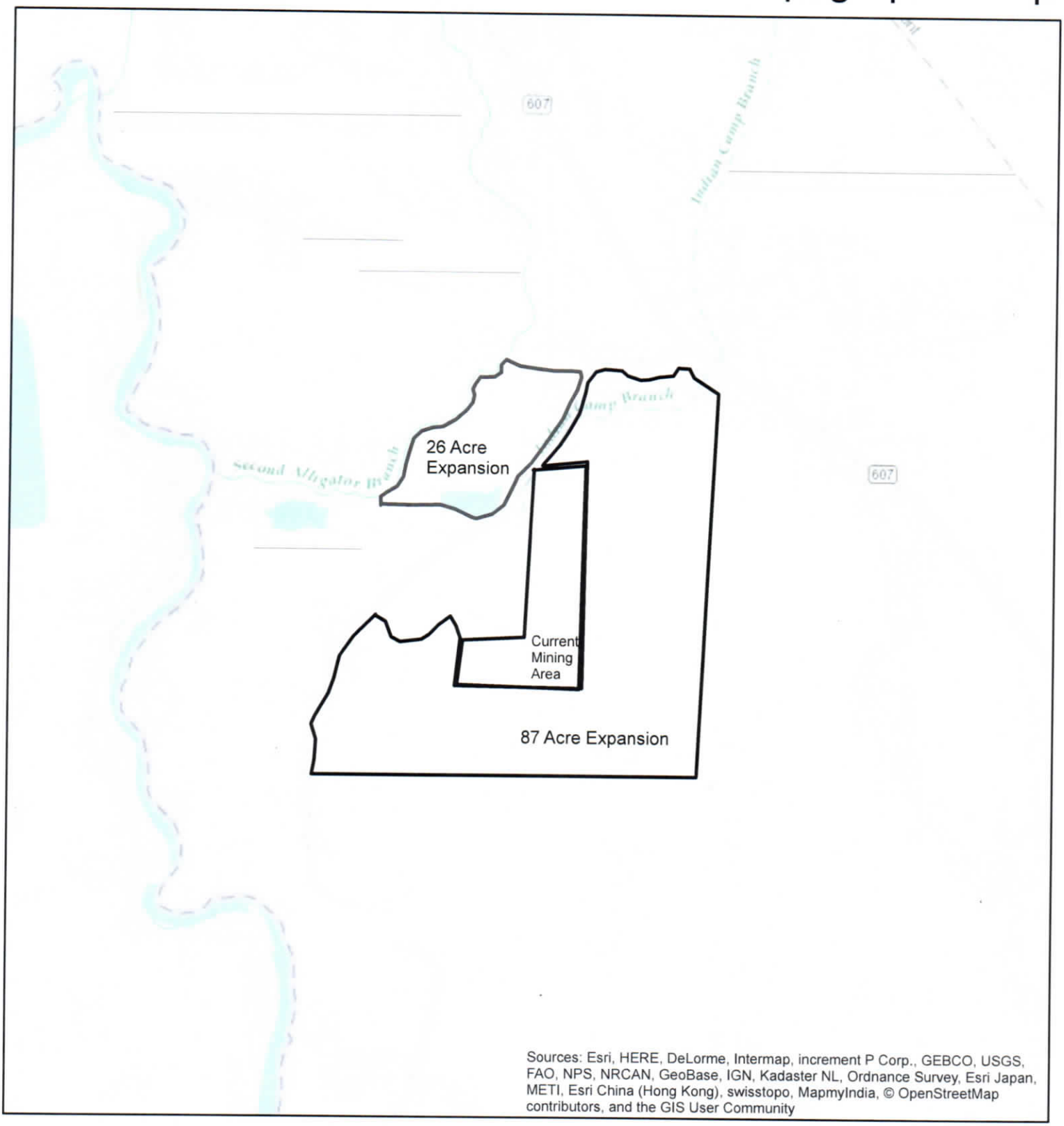
E. ADDITIONAL COMMENTS

Item Number	Space for detailed answers to any of the previous items. Indicate item number to which the answers apply.

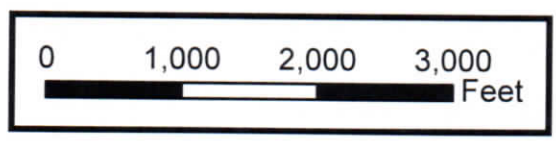
If more space is required, use full sheets of paper the same size as this page. Attach all sheets to this application.


PEARL RIVER COUNTY
PEARL RIVER COUNTY
LOCATION
BAY ST. LOUIS
WAVELAND
MISSISSIPPI
SOUND
SCALE
HANCOCK COUNTY
MISSISSIPPI

Wet Mine Asset Holdings, LLC - USGS Topographic Map



USGS Topographic



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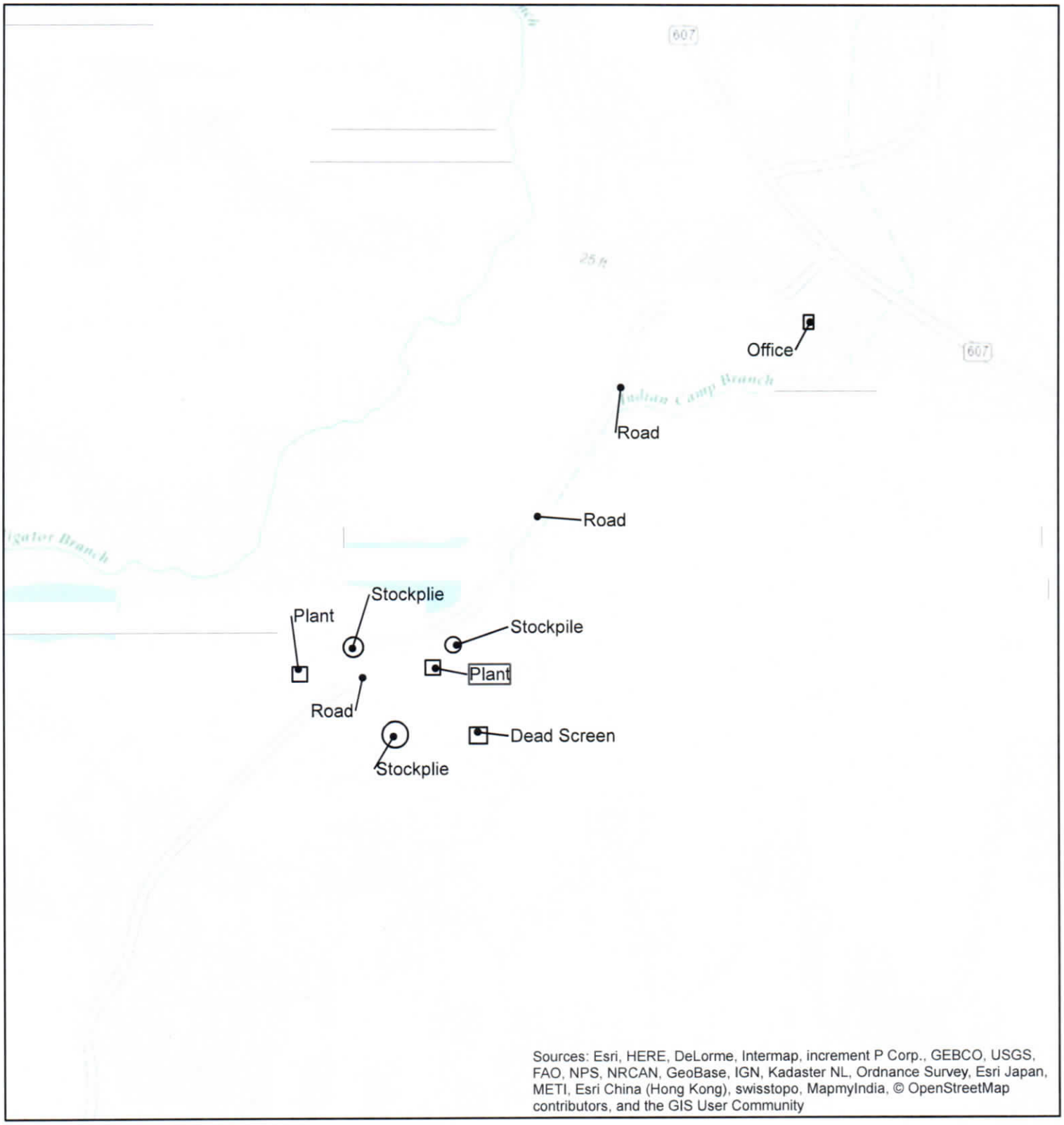
Wet Mine Asset Holdings, LLC - Site Plan



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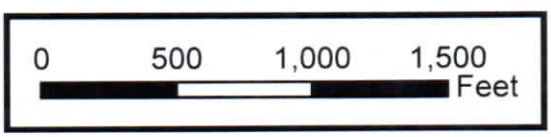
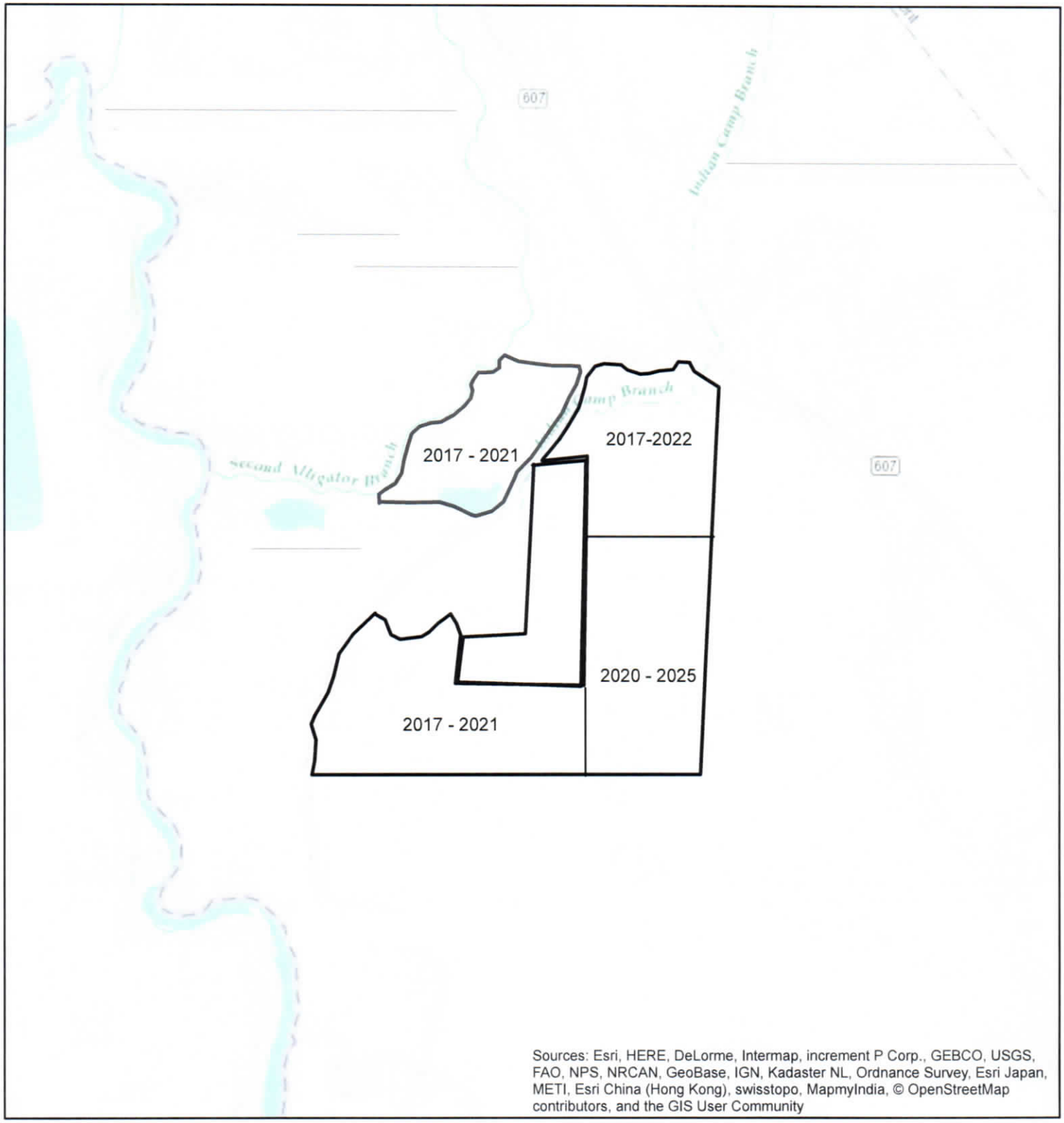


Wet Mine Asset Holdings, LLC - Yearly Mining Plan



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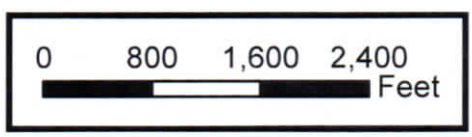
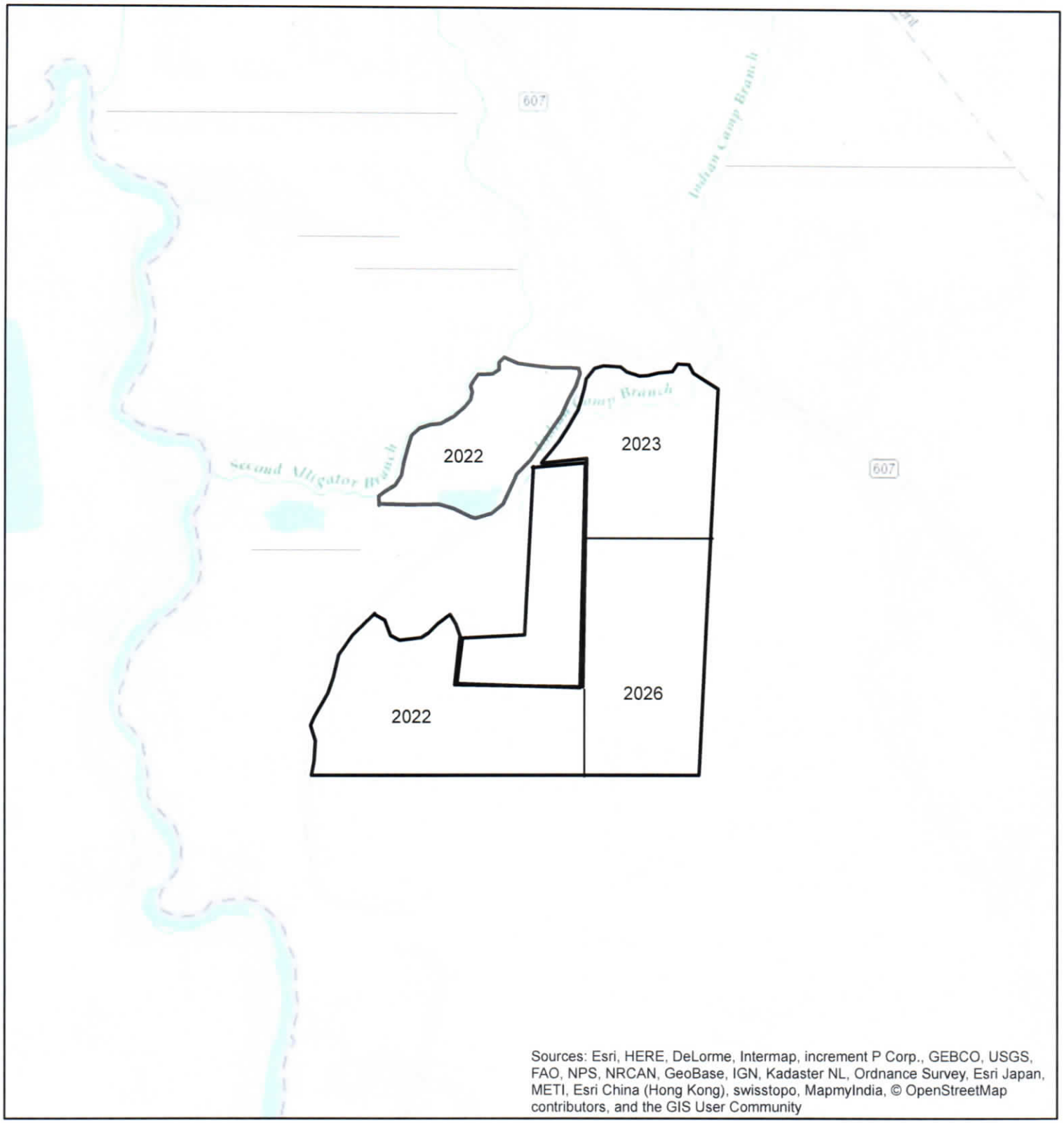


Wet Mine Asset Holdings, LLC - Yearly Reclamation Plan



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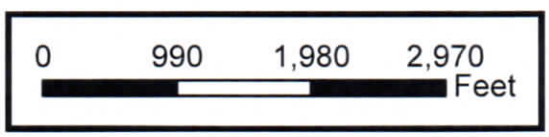
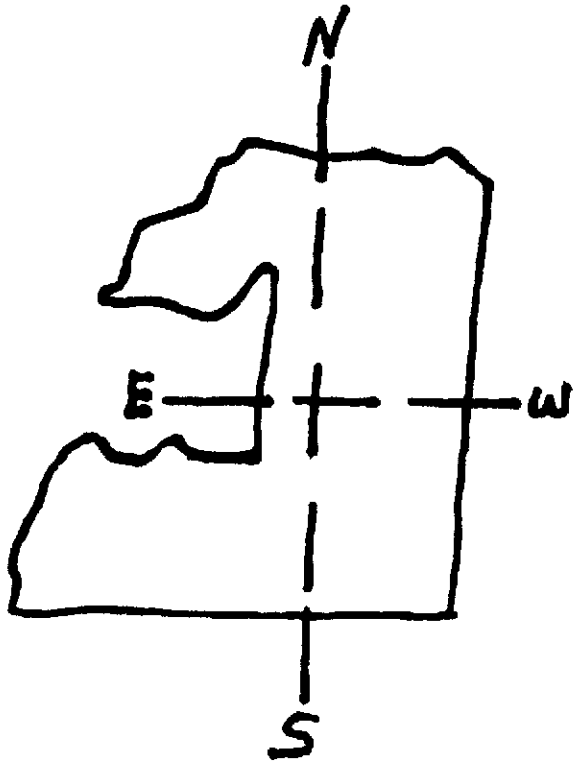


Wet Mine Asset Holdings, LLC - Cross Sectional Map



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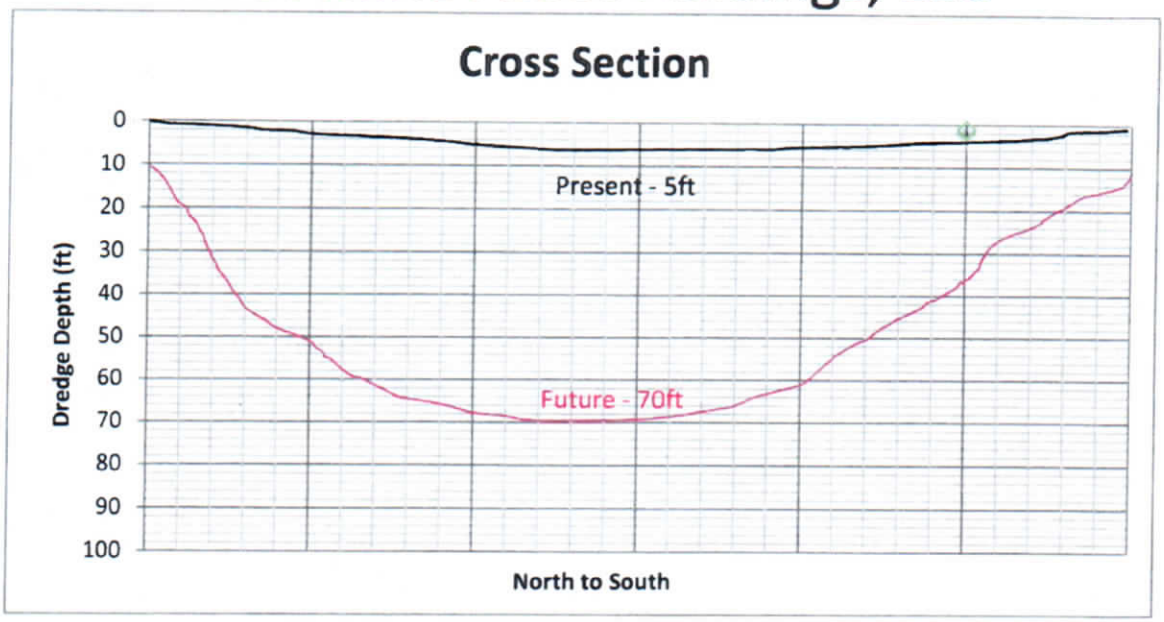
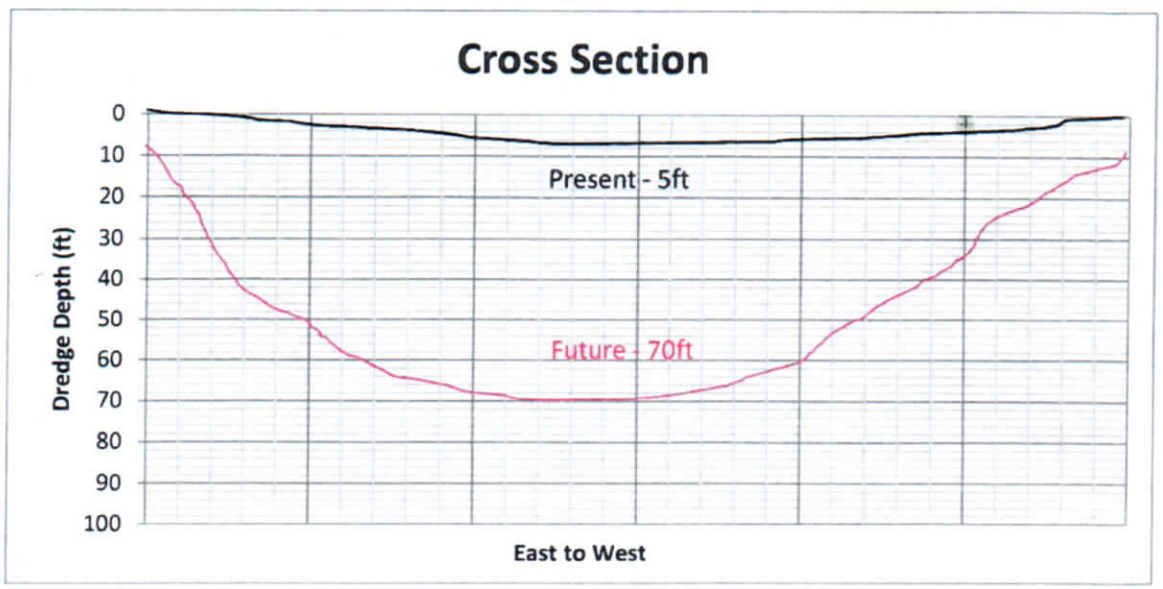
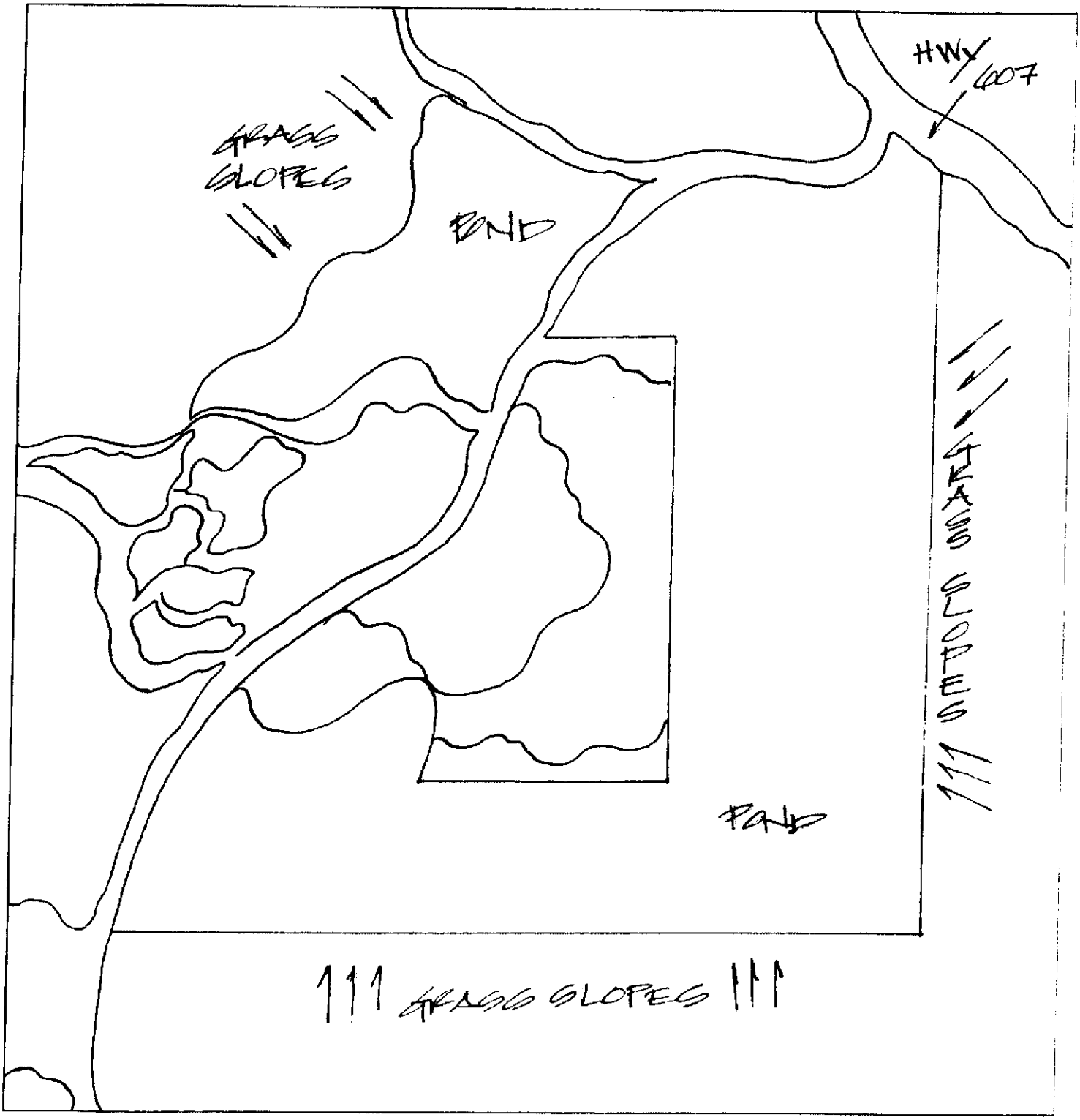
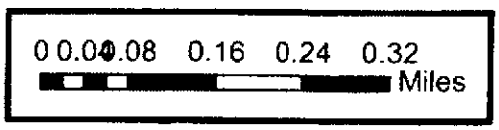




Wet Mine Asset Holdings, LLC - Completed Reclamation





Wet Mine Asset Holdings, LLC Reclamation Plan

A. The topsoil shall be segregated and stored in stockpiles which will be protected with grass cover adequate to prevent erosion. The use of the topsoil during reclamation will be to respread it over areas requiring vegetative cover.

B. The site shall be reclaimed with a pond or lake surrounded by grassed slopes to prevent erosion.

C. All highwalls shall be eliminated and all areas of the permit shall be graded to a slope no steeper than three horizontal feet to one vertical foot.

D. The permit area shall be Bahia and is to be planted by broadcast seeding at the rate of 25 pounds per acre during the Fall planting season.

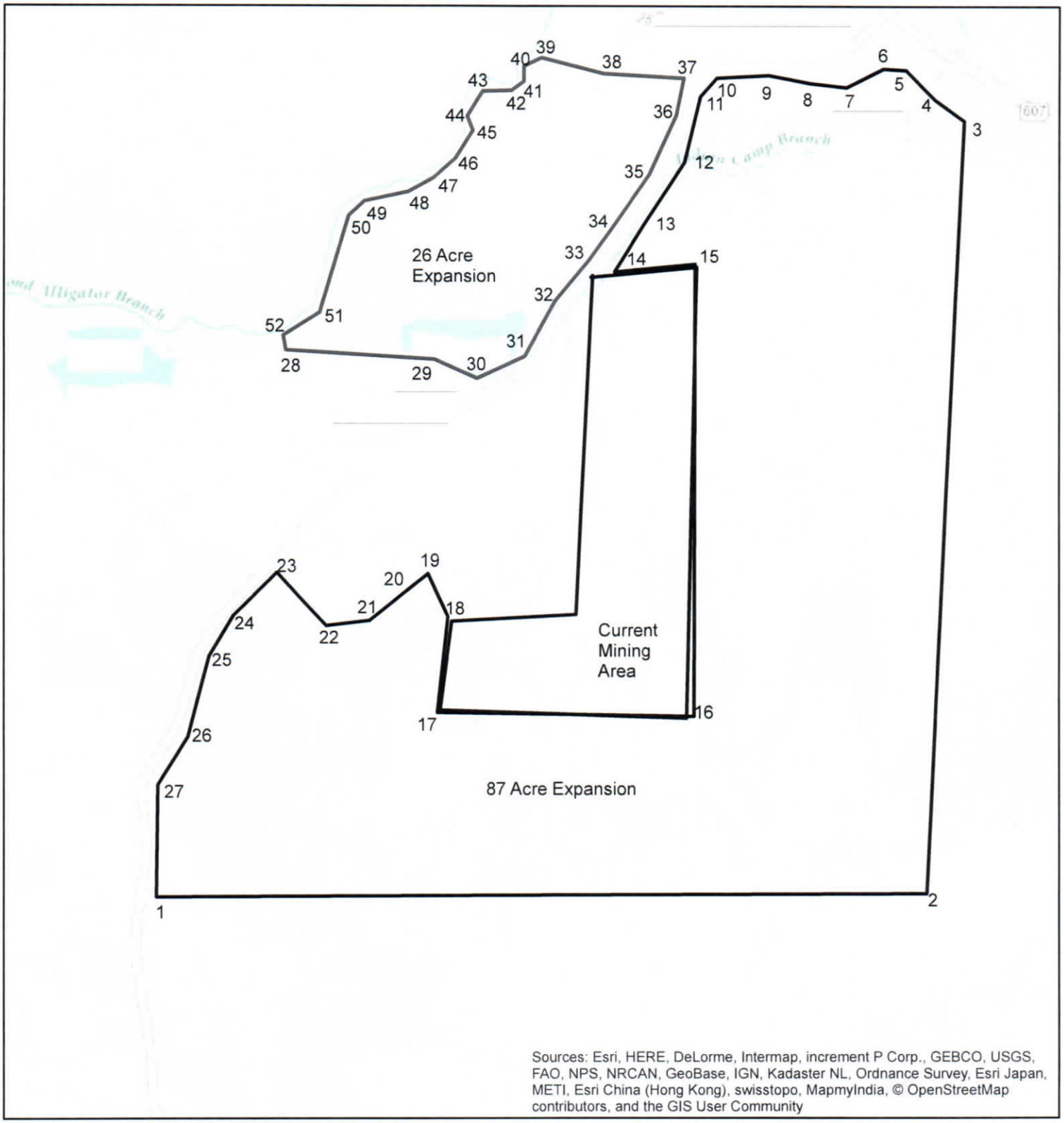
E. Fertilizer (13-13-13 type), for initial planting, shall be applied at the rate of 800 pounds per acre and lime shall be applied at the rate of 2 tons per acre, and be applied by broadcasting. Fertilizer (13-13-13 type) shall be applied at the rate of 400 pounds per acre, in April, each successive year prior to final bond release.

F. Vegetation will be maintained until final bond release by watering and mowing twice each year in May and September. Eroded areas shall be re-graded and re-planted as needed, but in no case, less frequently than annually.

G. Gullies shall be repaired as necessary to prevent erosion and shall follow all applicable National Pollutant Discharge Elimination System (NPDES) permit requirements.

H. Debris shall be disposed of by burning, as permitted by local ordinance.

Wet Mine Asset Holdings, LLC - USGS Topographic Map



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GPS Points

0 500 1,000 1,500 Feet

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Wet Mine Asset Holdings, LLC GPS Plot Coordinates

Plot Number	West	North
1	89°40'45.446"	30°26'14.845"
2	89°40'5.607"	30°26'15.022"
3	89°40'3.69"	30°26'49.428"
4	89°40'5.059"	30°26'50.313"
5	89°40'6.428"	30°26'51.612"
6	89°40'7.729"	30°26'51.789"
7	89°40'83645"	30°26'50.844"
8	89°40'11.357"	30°26'51.08"
9	89°40'13.615"	30°26'50.667"
10	89°40'16.285"	30°26'51.316"
11	89°40'17.175"	30°26'50.431"
12	89°40'18.065"	30°26'47.54"
13	89°40'20.255"	30°26'44.707"
14	89°40'21.693"	30°26'42.583"
15	89°40'17.38"	30°26'42.878"
16	89°40'17.517"	30°26'22.813"
17	89°40'30.66"	30°26'22.99"
18	89°40'30.181"	30°26'27.18"
19	89°40'31.276"	30°26'29.186"
20	89°40'32.577"	30°26'28.301"
21	89°40'34.288"	30°26'27.239"
22	89°40'36.547"	30°26'26.944"
23	89°40'39.079"	30°26'29.363"
24	89°40'41.407"	30°26'27.357"
25	89°40'42.639"	30°26'25.527"
26	89°40'43.597"	30°26'21.868"
27	89°40'45.172"	30°26'19.744"
28	89°40'38.6"	30°26'39.116"
29	89°40'31.002"	30°26'38.761"
30	89°40'28.641"	30°26'37.921"
31	89°40'26.228"	30°26'38.894"
32	89°40'24.79"	30°26'41.284"
33	89°40'23.045"	30°26'43.099"
34	89°40'21.915"	30°26'44.56"
35	89°40'19.81"	30°26'46.994"
36	89°40'18.424"	30°26'49.649"
37	89°40'18.065"	30°26'51.287"
38	89°40'22.275"	30°26'51.464"
39	89°40'25.355"	30°26'52.216"
40	89°40'26.382"	30°26'51.774"
41	89°40'26.279"	30°26'51.154"
42	89°40'26.946"	30°26'50.712"
43	89°40'28.384"	30°26'50.667"

44	89°40'29.359"	30°26'49.605"
45	89°40'28.897"	30°26'48.897"
46	89°40'29.821"	30°26'47.658"
47	89°40'30.951"	30°26'46.817"
48	89°40'32.234"	30°26'49.197"
49	89°40'34.493"	30°26'45.755"
50	89°40'35.366"	30°26'45.233"
51	89°40'36.803"	30°26'40.842"
52	89°40'38.754"	30°26'39.735"
53	89°40'45.446"	30°26'14.845"
54	89°40'45.446"	30°26'14.845"
55	89°40'45.446"	30°26'14.845"
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