

November 30, 2022

**GreenLight Wisconsin, LLC  
2022-2023 Bend Soo Line 40 Exploration Program  
Revised Notice of Intent to Drill  
Beginning December, 2022**

**RE: Exploration Plan**

GreenLight Wisconsin, LLC. (GLW) currently holds a private lease with Soo Line Railroad d/b/a Canadian Pacific Railway (Soo Line), which grants GLW the right to access and explore a 40-acre mineral estate owned by Soo Line and located in the NW1/4SW1/4, Section 35, T33N, R2W, Taylor County (Soo Line Mineral Parcel; see Fig. 1). The surface estate at this same 40-acre parcel is federally owned and the U.S. Forest Service (USFS) manages it on behalf of the federal government. From the mid-1980s to the mid-1990s, the Jump River Joint Venture (JRJV) explored this area and constructed seven diamond drillholes on the Soo Line Mineral Parcel pursuant to the mineral lease it had with Soo Line. The JRJV mineral lease with Soo Line terminated in 2003. Aquila Resources, GLW’s predecessor-in-interest, entered into a 20 year mineral lease with Soo Line in 2019.

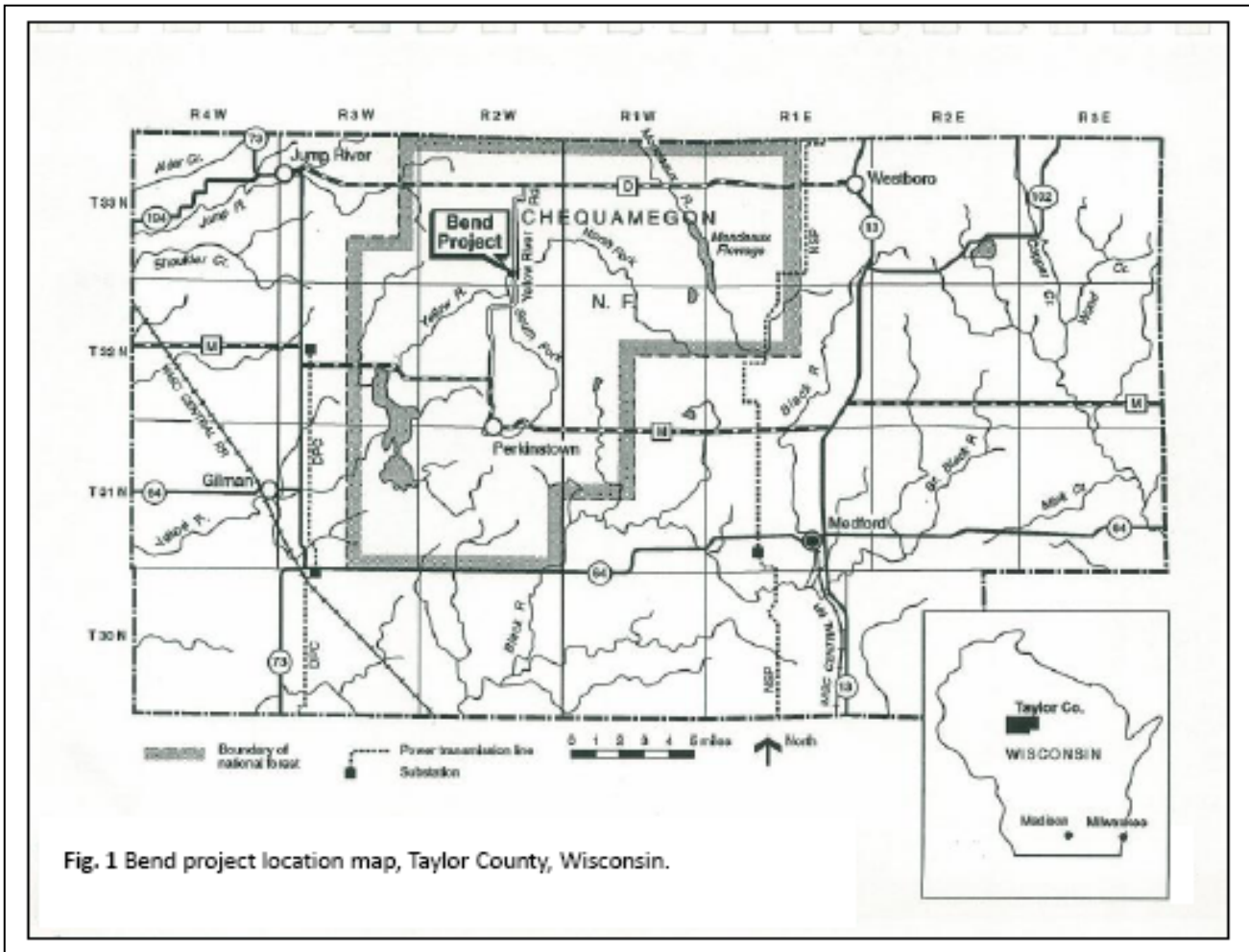


Fig. 1 Bend project location map, Taylor County, Wisconsin.

This document is GLW’s diamond drilling exploration work plan for the Soo Line Mineral Parcel (**Work Plan**). GLW intends to implement the Work Plan sometime during the 2022-2023-winter. Attached to this Work Plan as **Exhibit A** is a document entitled *Mitigation Standards for Exploration Drilling*, which sets forth mitigation standards related to all phases of the drilling under the Work Plan (**Mitigation Standards**). Other supporting documents include: **Additional Information sheet, U.S.F.S Notice to Proceed letter, as well as the Wetland Determination Memo**. GLW will comply with all Mitigation Standards during the implementation of its Work Plan both during and after the drilling program.

The principal offices of GLW are at:

141 Adelaide St. W.  
 Suite 520  
 Toronto, Ontario M5H3L5  
 Att: Dave Carew, CFO  
 Phone: 414-786-4867

2 East Mifflin St.  
 Suite 600  
 Madison, Wisconsin 53703  
 Att: Dan Colton, CEO/President  
 Phone: (715-891-2614

Local management of the exploration program will be under the supervision of Theodore DeMatties, Geological Consultant at:

34,898 University Ave.  
 Cambridge, Minnesota 55008  
 Cell: (763) 232- 8281

GLW requests that Mr. DeMatties be copied on all notices and order delivered to GLW.

## 1.0 Exploration Plan

### 1.1 Location

Location maps with proposed access routes and 6 new drill sites on private and federal surface estate are shown in Figure 2. All sites are located on the Soo Line Mineral Parcel. UTM coordinates for each site are given in Table 1 below.

**Table 1** Proposed drillhole UTM (NAD 83, Zone 15) locations on the Soo Line 40 mineral estate

Hole #	Inclination	Azimuth	Length (ft)	UTM E	UTM N
1	vertical		260	688454	5018722
2	-45	345	530	688497.8	5018674
3	-60	345	680	688497.8	5018674
4	-50	345	930	688516.7	5018604
6	-55	345	1080	688488	5018560
7	-58	345	1080	688516.7	5018604
9	-60	345	1280	688528.9	5018557
10	-55	345	1350	688576.7	5018569
		<b>total</b>	<b>7190</b>		

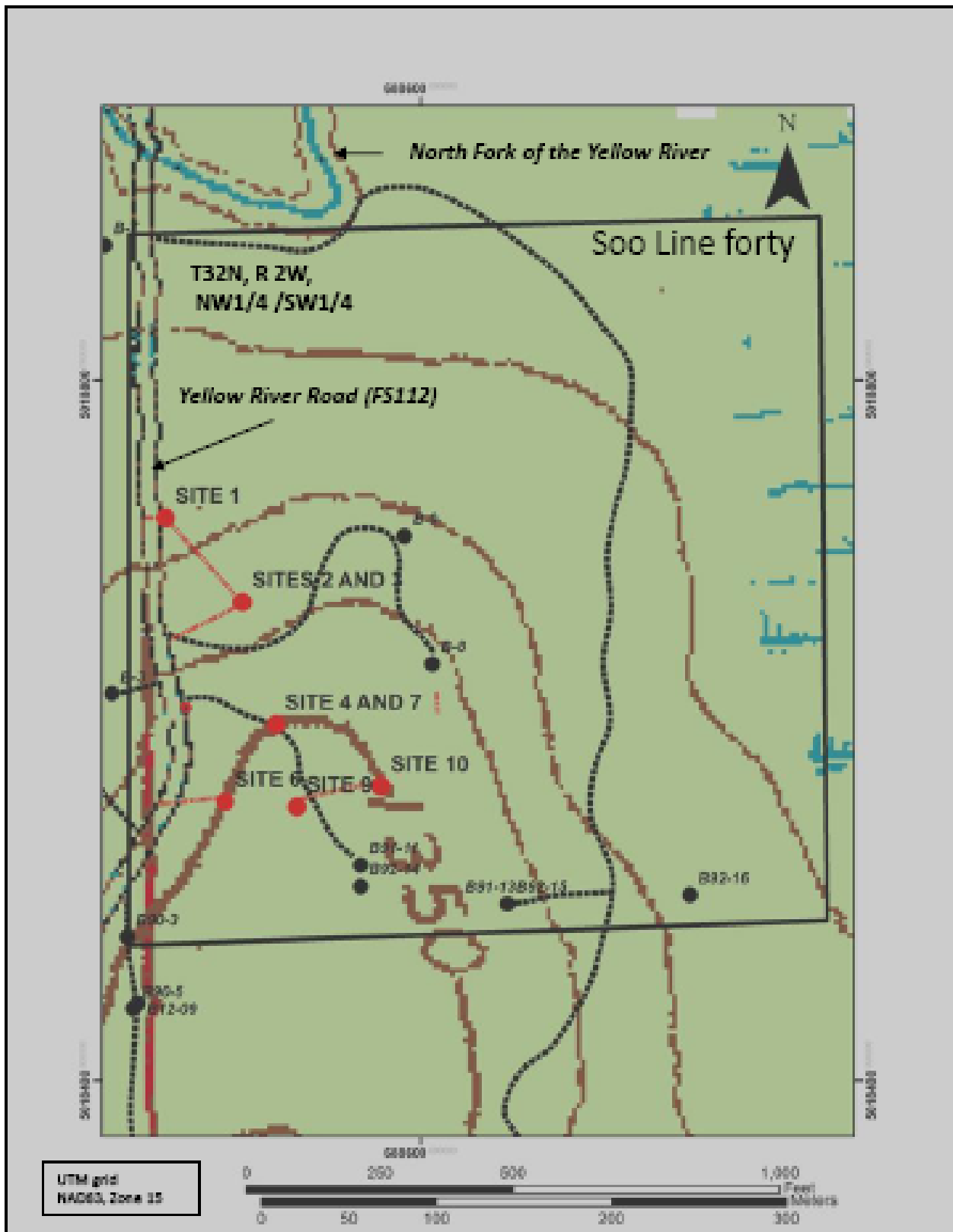


Fig. 2 Topographic map showing proposed Bend drill sites. Proposed drill sites are marked as red dots, historic drillholes as black dots, historic access roads in black and new extensions in red.

**Schedule.** GLW is currently scheduled to implement the Work Plan in accord with the Mitigation Standards starting in December 2022, once frozen conditions have set in. GLW anticipates the drill program to take approximately twelve (12) weeks to complete, which timeline includes commencement of mobilization to the site, construction/preparation of existing/new drill roads/trails on frozen surface, pad construction on frozen surface, drilling, permanent abandonment of certain holes, temporary abandonment of others, partial/complete restoration of the drill sites, and demobilization. This timeline does not necessarily include all drill site restoration activities because some of these activities may need to be undertaken during spring 2023. With this understanding, demobilization is anticipated no later than late February or early March 2023. These activities will be in compliance with the Wisconsin Department of Natural Resources (WDNR) regulations set forth in State Administrative Code NR130.

All the access roads and drill sites traverse and are located on uplands (Fig. 2 and see attached report, entitled GLW Wetland Determination Memo (9/20/2022)). No activities associated with the Work Plan take place in or proximate to wetlands. The significance of this is that GLM has the discretion to undertake Work Plan activities before or after frozen conditions. However, as stated above, GLW will undertake all Work Plan drilling activities only during frozen conditions, with the exception of restoration of pads and drill access roads.

**Access.** Figures 2 shows that access to the drill sites will be via the Yellow River Road (FR112), several existing drill roads/trails (which were constructed during previous exploration drilling programs), as well as via new road extensions. Wherever practical, existing drill roads/trails will be used during the operation to minimize construction of new drill road extensions. The new drill road extensions will be 10-foot wide. Figure 2 shows that approximately 550 feet of new drill road extensions will be constructed, which amounts to a total of approximately 0.14 acres of new drill/trail roads. All new drill road/trail extensions will be constructed and maintained by GLW, or by its contractors in compliance with Forest Service engineering and design specifications. Wood matting may be required for some access extensions to bridge the ditch (which contains a thin linear wetland) from the Yellow River Road (FS112). See attached GLW Wetland Determination Memo. All drill roads / trails will be prepared / constructed during frozen conditions. No top soil will be disturbed.

**Equipment.** Experienced contractors will conduct diamond core drilling operations. Standard skid or tract-mounted diamond-bit core drill will be used to do the drilling. These types of drill rigs are 8 to 10 feet wide during transport to the site. Support equipment will include a skid-mounted rod drey, a D-4 or comparable dozer, and a two- or three-axle flatbed truck for transporting water, pipe, and other equipment. Four-wheel-drive pickups and/or tracked bobcat will be used to transport personnel and service the drill rig. Vehicles and drills will be equipped with the required fire-fighting equipment. Drilling operations will consist of two 2-man crews working 12 hour shifts seven days a week.

**Drill Site Construction / Drillholes.** Each proposed drill site would affect a surface area of approximately 50 by 50 feet unless otherwise specified (including sumps). Once frozen conditions exist, the site surface will be prepared by compacting and leveling existing snow and ice. The same site may be used for more than one borehole in order to minimize surface disturbance. Borehole orientations may vary from vertical to incline (up to - 60°). NQ (2.98" diameter) and HQ (3.78" diameter) - sized holes will be drilled to depths ranging from 260 feet to 1350+ feet.

Within each drill site, all or part of the area will be cleared of brush and trees under 3" in diameter where necessary. Disturbance of topsoil will be avoided wherever practical and topsoil is only planned to be disturbed in the location of the sump pits located at the drill sites, and minor disturbances related to drilling. Topsoil will be stockpiled at sump locations and will be spread across the disturbed areas upon reclaiming the sites. Soil erosion control measures and measures will be taken to protect topsoil stockpiles. The cumulative footprint of all six drill pads is no more than 0.34 acres. Small trees and shrubs cut during construction of the drill sites and new access roads will be lopped and scattered to lie within 30" of the ground. Any uprooted stumps will be scattered and not be visible from any major roads. It is not anticipated that merchantable timber will be cut during the drilling operation, but in the event GLW needs to cut such timber it will be done in accordance with Forest Service regulations and specifications. GLW will seek to avoid, where possible, cutting any trees which exceed 3" in diameter. Nevertheless, GLW anticipates no more than ten 3" diameter trees, if any, being removed. GLW will document all trees that are removed that exceed 3" in diameter and provide such information to the Forest Service.

Each drill site will contain a 20' x 20' by 10' - deep sump pit (maximum size) to collect and recirculate returned drilling water and collect for drill cuttings. The sump pit will be constructed by a tract-mounted backhoe (See attached Mitigation Standards and additional information sheet). During construction of the sump, top soil is stockpiled separately from subsoil and the walls and base of the sump lined with 1" of bentonite or plastic liner (20-mill or greater polyvinyl chloride or polyethylene geomembrane) as outlined in WDNR regulation NR130.110 (1) (b). Approximately 2 (NQ-size) to 4 (HQ-size) cubic feet of cuttings per 100 feet of drilling are expected to be generated during the drilling operation.

Drilling results will determine whether all the proposed sites are utilized during the exploration program. Some drill sites may be re-used to construct wedge-offset holes from previously drilled pilot holes. Drilling results will dictate which holes are permanently closed immediately and which are temporarily abandoned until down hole geophysics can be completed. Once the down hole geophysics is completed, the holes will be permanently closed per WDNR regulation NR130.111 (1) (b) 1. All temporarily abandoned drillholes will follow WDNR regulation NR130.111 (1) (a). These holes will be maintained in a safe and secure manner until the hole is permanently abandoned. Each temporarily abandoned hole will be marked by a six-foot casing extension that is plainly visible.

**Water Source.** The source of water for the drilling operation will be the North Branch of the Yellow River that runs near the proposed drill sites. Water will be pumped into a 500-gallon tank mounted on a two-or three-axle flatbed truck. The water in the tank is then chlorinated and delivered to the drill sites for use. Approximately 1,000 gallons per day will be required under normal drilling conditions; though as much as 2,000 gallons per day may be required if intensely fractured rock is encountered. Water may also be pumped directly from the Yellow River to the drilling operation site, minimizing surface impacts from road traffic. The drilling operation will require water mixed with inert and bio-degradable polymers (i.e., WDNR-approved drilling muds; e.g., EZ-mud) to lubricate, cool and flush drill cuttings from the hole (see attached list).

Areas constructed as drill sites will be limited to federal and state officials, hired contractors and their employees, and employees of GLW. In the interest of public safety, unauthorized personnel will be restricted from entering the operation area.

Because of the location of the of the proposed exploration activity, minimum contact with the public is anticipated. However, the District Ranger will be given advance notification of any activity that could involve hazards to public safety and suitable action will be taken to protect the public as agreed to by GLW and the District Ranger.

## **2.0 Reclamation Procedures**

The reclamation procedures are forth below will be implemented in full accord with the attached Mitigation Standards and additional information sheet.

### **2.1 Drillhole abandonment**

Drillhole abandonment procedures will be in accordance with WDNR regulations covered in NR130.111 as previously mentioned; temporarily abandoned holes, drill casings are capped with a water-tight, threaded or welded cap pursuant to NR130.111(1)(a). As previously mentioned, each hole will be marked by a six-foot casing extension that is plainly visible.

Permanent abandonment of drillholes will be in accordance with NR130.111 (1) (b) 1 and requires filling the entire hole from top to bottom with concrete or neat cement. The abandonment procedure includes concrete or neat cement being pumped down each hole through a conductor pipe. Casings will be removed concurrently with the filling of the drillholes with the bottom of the casings kept below the surface of the fill material throughout the operation.

### **2.2 Drill Site Restoration**

Reclamation of the sump pits involves allowing cuttings and bentonite to settle to the bottom of the pit and then the water can be pumped out on the surrounding ground surface. Before the pit is backfilled, cement will be mixed with the drill cuttings as

required by WDNR requirements set forth in NR130.110 (2) (a) 2. Final disposal will be “in-place” as described in WDNR rule NR130.110 (2) a 2.

Upon completion, all equipment will be removed from the drill sites prior to the close of frozen conditions. Further restoration will be completed as soon as weather conditions permit in accordance with restoration procedures outlined by the Chequamegon-Nicolet National Forest (See attached Mitigation Standards and additional information sheet). As stated above, GLW does not anticipate any top soil being disturbed during the drill program except the top soils within the footprint of the sump. With respect to any areas where top soil is disturbed (i.e. within the footprint of the sump) the area of disturbance will be graded to original contour to the extent feasible and then reseeded using any stockpiled top soil (if available) and approved seed mix (See attached Mitigation Standards and additional information sheet).

### 2.3 Reclamation cost estimate

The cost estimate covers drillhole abandonment (8 diamond drillholes @7,200’), lining and adding cement to sump pits, regrading and revegetation of all 6 sites and new road extensions.

<b>Reclamation cost estimate</b>			
<b>Drillhole Abandonment</b>	<b>Unit cost \$</b>	<b>Units</b>	<b>Total \$</b>
Mob/DeMob drill / grouting unit	4,000	1	4,000
Grouting - diamond drillholes	20/bag	24 (1bag/300')	480
Labor (average 1-12hr shift per hole)	300/hr	12hrs per hole/ 8 holes	28,800
Cementing sump pits	20/bag	8 sumps (av.± 5 bags/sump)	800
Labor (average 4 hrs per sump)	150	8 sumps	4,800
Backhoe operator	250/hr	20hrs	5,000
<b>Manual site prep/ seeding/mulching</b>			
Labor - 4 hrs per site ( 6 sites + roads)	150/hr	6 sites + roads	5 000
Seed - 75lbs/acre (for 1 acre max)	42.00/lb	0.5 acres	1,575
Mulch - 5 bales of straw/site	12/bale	6 sites + roads	480
		<b>Total estimate</b>	<b>45,935</b>