



DAKOTA GOLD

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SEP 29 2026
MINERALS & MINING PROGRAM

21 September 2026

Roberta Hudson
Engineering Manager I
South Dakota Department of Agriculture and Natural Resources
Minerals and Mining Program
Joe Foss Building
523 East Capitol Avenue
Pierre, South Dakota, 57501

RE: DTRC LLC Richmond Hill IX Exploration Notice of Intent

Dear Mrs. Hudson:

Dakota Gold Corp. herein submits, on behalf of DTRC LLC, this Exploration Notice of Intent (EXNI) for the Richmond Hill IX Exploratory Drill Program. The program comprises exploration test-hole drilling from exploration drill pads constructed exclusively on private land within Lawrence County.

Included in this EXNI are the following:

- Notice of Intent to Conduct Mineral Exploration Operation Application Form,
- A plan of reclamation pursuant to Section 8,
- A topographic map pursuant to Section 9,
- A fee of \$250 pursuant to Section 17 in check form, and
- Landowner Ownership documentation (Confidential).

Dakota Gold Corp. is committed to working with DANR and meeting or exceeding all statutes and regulations.

Thank you for your time as it pertains to this matter. Should you have any questions or comments, please contact Timm Comer at (605) 717-2590, (719) 203-0567, or tcomer@dakotagoldcorp.com or Matt Albrecht at (605) 381-9878 or malbrecht@dakotagoldcorp.com

Regards,

Mark Rantapaa
VP of Operations

Enclosures:

Complete EXNI Application Package
Check No. 2644 for \$250

Department of Agriculture and Natural Resources
Minerals and Mining Program
523 East Capitol Avenue
Pierre, South Dakota 57501-3182
605 773-4201; Fax: 605 773-5286

**NOTICE OF INTENT TO CONDUCT
MINERAL EXPLORATION OPERATION
(Excluding Uranium)**

Pursuant to SDCL 45-6C

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MINERALS & MINING PROGRAM

PAID

SEP 28 2026

Operator's name:

DTRC LLC

Mailing Address:

**106 Glendale Drive, Suite A
Lead, South Dakota 57754**

Telephone:

605.717.2640

Ck# _____

Rec't# \$250

Resident agent (if out-of-state corporation):

Amy Koenig

Resident agent address:

**106 Glendale Drive, Suite A
Lead, South Dakota 57754**

Telephone:

605.717.2640

Legal description of area to be explored by Section, Township, and Range:

**Portions of Sections 15, 22, and 23
Township 5 North, Range 2 East
Black Hills Meridian**

County:

Lawrence

Give a brief description of the type of exploration to be conducted. Include a list of all minerals to be explored and a description of methods (e.g. drill rig type, number of holes to be drilled, number of drill pads to be constructed, proposed depth for each test hole, length of existing access roads and/or new access road construction).

DTRC LLC will explore for potential hard-rock gold deposits within the proposed project area. It is anticipated that exploration test hole drilling will be completed using skid-mounted core and/or truck-mounted or track-mounted reverse circulation drilling methods/drill rigs. The project would include up to 50 new exploration test hole drill pad sites (drill pads). There is approximately 14,760 feet of new drill trail development proposed as part of this project on previously undisturbed and reclaimed lands. There are approximately 171,300 feet of existing roads that are on existing EXNIs permitted by DTRC LLC. There are other existing roads (approximately 25,000 feet) within the project areas. This network of roads would be utilized for access to the proposed drill pads in the project area. Exploration test hole drilling from these 50 drill pads will be drilled both azimuth and vertical directions, and up to a depth of approximately 5,000 feet in vertical depth, with the possibility of multiple (up to 10) exploration test holes drilled from each drill pad. The drill pads that are constructed will measure approximately 200 ft x 200 ft (approximately 0.92 acres). Exploration drilling activities under this application are not near the historic Richmond Hill leach pads and backfilled mine area.

Date exploration will commence:

Immediately following approval of this EXNI.

What legal authority does the operator have to conduct exploration on the above-described land? Include a copy if available.

☒ Deed ☐ Lease ☐ US Forest Service Permit ☐ Pending US Forest Service Permit ☒ Other

Will the operator conduct uranium exploration? ☐ Yes ☒ No If yes, a permit pursuant to SDCL 45-6D must be obtained.

Please reference SDCL 45-6C. This Notice of Intent must be accompanied by:

- Applicant affirms that the surface owner has been notified of the proposed mineral development and that said surface owner is aware of his rights to compensation for damages to property pursuant to SDCL 45-5A. Applicant hereby affirms that the mineral exploration will be conducted pursuant and subject to the provisions of SDCL 45-6C, and all regulations promulgated thereunder, that he will grant access to the SD Board of Minerals and Environment or its agents to the area under notice from the date of the notice and thereafter to assure compliance with the provisions of SDCL 45-6C.**

Signature _____
Title: **VP of Operations**

Date: 17 September 2026

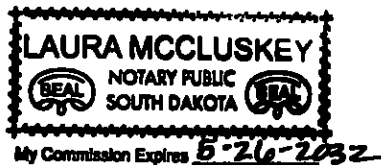
STATE OF South Dakota
COUNTY OF Lawrence

On this 15th day of September, 2026, before me personally appeared Mark Rantapaa, who acknowledged himself to be the VP of Operations (Title) for DTRC LLC and that he is authorized to execute the Notice of Intent for the (Operator) purposes contained therein.

Sandra McCuskey
Notary Public

My Commission Expires: May 26, 2032

SEAL

**FOR DEPARTMENT USE ONLY**

DATE APPROVED: BOND AMOUNT: EXNI NUMBER:

Chairman, SD Board of Minerals & Environment

RECEIVED

SEP 29 2026

MINERALS & MINING PROGRAM

STATE OF SOUTH DAKOTA

BEFORE THE SECRETARY OF

THE DEPARTMENT OF AGRICULTURE AND NATURAL RESOURCES

IN THE MATTER OF THE
APPLICATION OF

DTRC LLC

STATE OF South Dakota

COUNTY OF Lawrence

CERTIFICATION OF

APPLICANT

I, Amy Koenig, the applicant in the above matter after being duly sworn upon oath hereby certify the following information in regard to this application:

I have read and understand South Dakota Codified Law Section 1-41-20, which provides:

"The secretary may reject an application for any permit filed pursuant to Titles 34A or 45, including any application by any concentrated swine feeding operation for authorization to operate under a general permit, upon making a specific finding that:

(1) The applicant is unsuited or unqualified to perform the obligations of a permit holder based upon a finding that the applicant, any officer, director, partner, or resident general manager of the facility for which application has been made:

- (a) Has intentionally misrepresented a material fact in applying for a permit;*
- (b) Has been convicted of a felony or other crime involving moral turpitude;*
- (c) Has habitually and intentionally violated environmental laws of any state or the United States which have caused significant and material environmental damage;*
- (d) Has had any permit revoked under the environmental laws of any state or the United States; or*
- (e) Has otherwise demonstrated through clear and convincing evidence of previous actions that the applicant lacks the necessary good character and competency to reliably carry out the obligations imposed by law upon the permit holder; or*

(2) The application substantially duplicates an application by the same applicant denied within the past five years, which denial has not been reversed by a court of competent jurisdiction. Nothing in this subdivision may be construed to prohibit an applicant from submitting a new application for a permit previously denied, if the new application represents a good-faith attempt by the applicant to correct the deficiencies that served as the basis for the denial in the original application.

All applications filed pursuant to Titles 34A and 45 shall include a certification, sworn to under oath and signed by the applicant, that he is not disqualified by reason of this section from obtaining a permit. In the absence of evidence to the contrary, that certification shall constitute a prima facie showing of the suitability and qualification of the applicant. If at any point in the application review, recommendation, or hearing process, the secretary finds the applicant has intentionally made any material misrepresentation of fact in regard to this certification,

consideration of the application may be suspended and the application may be rejected as provided for under this section.

Applications rejected pursuant to this section constitute final agency action upon that application and may be appealed to circuit court as provided for under chapter 1-26."

I certify pursuant to 1-41-20, that as an applicant, officer, director, partner, or resident general manager of the activity or facility for which the application has been made that I; a) have not intentionally misrepresented a material fact in applying for a permit; b) have not been convicted of a felony or other crime of moral turpitude; c) have not habitually and intentionally violated environmental laws of any state or the United States which have caused significant and material environmental damage; (d) have not had any permit revoked under the environmental laws of any state or the United States; or e) have not otherwise demonstrated through clear and convincing evidence of previous actions that I lack the necessary good character and competency to reliably carry out the obligations imposed by law upon me. I also certify that this application does not substantially duplicate an application by the same applicant denied within the past five years, which denial has not been reversed by a court of competent jurisdiction. Further;

"I declare and affirm under the penalties of perjury that this claim (petition, application, information) has been examined by me, and to the best of my knowledge and belief, is in all things true and correct."

Dated this 17 day of September, 2026

Amy Koenig

Applicant (print)

Amy Koenig

Applicant (signature)

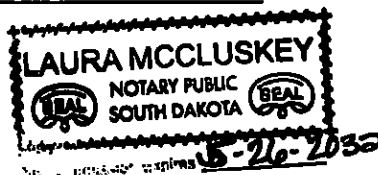
Subscribed and sworn before me this 17 day of September, 2026.

Laura McCluskey

Notary Public (signature)

My commission expires: May 26, 2032

(SEAL)



PLEASE ATTACH ANY ADDITIONAL INFORMATION NECESSARY TO DISCLOSE
ALL FACTS AND DOCUMENTS PERTAINING TO
SDCL 1-41-20 (1) (a) THROUGH (e).

ALL VIOLATIONS MUST BE DISCLOSED, BUT WILL NOT
AUTOMATICALLY RESULT IN THE REJECTION OF AN APPLICATION

In preparing this reclamation plan, please address each item in detail, referencing SDCL 45-6C-8 and 45-6D-9. Please refer to the reclamation standards outlined in SDCL 45-6C-27 through 45-6C-34, SDCL 45-6D-33 through 45-6D-39, and the state's hole plugging regulations as detailed in ARSD 74:11.

1. Describe the type of reclamation the operator proposes to achieve in the reclamation of the affected land.

DTRC LLC and its exploration drilling contractors strive to minimize the potential surface impacts of the exploration drilling program. The exploration drilling operations would include the removal of existing growth media (topsoil) when feasible, followed by stockpiling, reshaping, and interim reseeding of the topsoil, which would then be utilized for future reclamation activities at the project site. Topsoil stockpiles would be clearly identified and appropriately marked. Best Management Practices (BMPs) for potential sedimentation and erosion control would be implemented at the project site for areas of new disturbance. These BMPs (e.g., ditches, sumps, berms, wattles, straw bales, or silt fences) at the potentially affected area pursuant to SDCL 45-6C-32. Exploration drill pad sump (sumps) would be located on the uphill side of the exploration drill pad site when feasible, and construction may include installation of a liner system, if needed to retain liquids at the drill pad site. Safety fencing would be implemented around the sumps for safety purposes and to prevent the potential of small wildlife from entering the sumps. In addition, means will be implemented in the sump to allow any wildlife to exit from the sump if needed. Areas where exploration drilling pads (up to 50 [approximately 46.0 acres]) would be reclaimed following completion of exploration drilling activities. For exploration drilling activities on new and existing roads, no reclamation activities would occur on the new roads (up to approximately 14,760 feet [approximately 5.4 acres]) and existing roads (up to approximately 25,183 feet [approximately 6.94 acres]). Exploration drill pads would also be accessed for the project, utilizing approximately 171,300 feet [approximately 62.8 acres] from roads permitted under existing EXNI permits held by DTRC LLC in the project area. The newly disturbed area of the exploration drill pads would be recontoured and regraded as necessary; the exploration drill pad sump liner system (if installed) would be folded in place and punctured, and then the entire sump area would be backfilled with native materials to the area. The entire exploration drill pad area, including the sump area, would be reclaimed. Reclamation activities would include recontouring, regrading, placement of topsoil, and seeding with reclamation seed mixture. For areas where exploration drill pad construction is necessary, the newly disturbed affected area would be regraded to approximate original contours, where feasible, using native materials to the area. Once these regrading activities are completed, the area of the exploration drill pads will be reclaimed. Reclamation of one site would be conducted concurrently while exploration drilling activities continue at another site, when feasible and pending weather conditions. The post-mining land used for the exploration project area would be woodland grazing, which would be accomplished by reclaiming the land to an open canopy area within the forested surroundings.

2. Provide a proposed timetable for seeding and replanting, indicating when and how the reclamation plan will be implemented. Such timetable shall be developed in consultation with the County District Conservationist as to the nature of the soils and native vegetation in the proposed operation. These recommendations shall be followed, if any are provided, and copies of all correspondence shall be provided to the Department.

Reclamation seeding will take place after recontouring and regrading of disturbed areas are completed. Seedings will be done on a clean, semi-smooth, weed-free seedbed with effective seeding methods. DTRC LLC would control potential noxious weeds on newly disturbed areas impacted by exploration drilling activities throughout operations of the project and for 1-year post-reclamation. Weeds would be clipped and/or sprayed by a licensed applicator before they compete with the seeding for moisture and light. All reclamation processes, seed mixtures, seasonal constraints, timing, and guidance will be based on South Dakota NRCS Conservation Practice Standard (CPS) Critical Area Planting Code 342, as suggested by the Lawrence County Conservation District and the local NRCS requirements and recommendations, per 45-6C-16; Consultation with the surface owner (preferences for reclamation and travel restrictions, as well as with the conservation district and NRCS offices). Fertilizer would be applied as necessary. Reseeding of the reclaimed sites would be conducted if the initial reclamation is not successful.

The seed mixture or reseeding exploration drill pad sites and exploration access roads/trails consists of local native species and was developed based on recommendations following consultation by the local Natural Resources Conservation Service (NRCS) office. Consultation with NRCS was completed on 17 September 2026 for this project. Previously recommended reclamation seed mixtures approved for DTRC LLC's existing Exploration Notice of Intent (EXNIs) are again recommended as the seed mixture for this project based on that consultation. A copy of that recommended reclamation seed mixture by NRCS is attached to this EXNI.

3. Describe how the reclamation plan will rehabilitate the affected land.

The goal of the reclamation plan is to rehabilitate and restore the newly affected lands to woodland grazing habitat. Planting of grasses would control erosion and protect the topsoil. Numerous forb and shrub species are expected to volunteer in the reclaimed areas because ground disturbance associated with exploration activities would be limited as compared to the surrounding areas of vegetation. A grass, forb, shrub, and subshrub community is expected to develop as reclamation matures, which would support woodland grazing and provide an edge effect to support the wildlife in the area

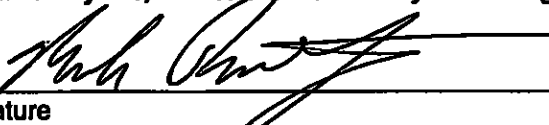
4. Describe the anticipated temporary and permanent plugging and capping procedures to be used. Please refer to SDCL 45-6C-28 through 45-6C-30, SDCL 45-6D-33 through 45-6D-35, and the state's hole plugging regulations as detailed in ARSD 74:11.

At a minimum, DTRC LLC commits to following all South Dakota laws and statutes concerning hole plugging and abandonment and, alternatively, would execute a full cement grout where needed, such as in any instance where aquifer cross-contamination is feasible. All exploration drill holes would be plugged in accordance with ARSD 74:11:08 and SDCL 45-6C-28 through 45-6C-30. Additionally, DTRC LLC would utilize, if required, the *General Alternate Plugging Plan* that was submitted on 11 August 2022 to DANR and approved by DANR on 05 October 2022 for all DTRC LLC EXNI permits. The drill holes may penetrate the Deadwood Formation and the Precambrian, which are water-bearing units or aquifers in the Black Hills. If an aquifer is penetrated, the exploration drill holes will be plugged from bottom to top using bentonite grout, which complies with the requirements of ARSD 74:11:08:05 and ARSD 74:11:08:05:01 (i.e., requirements for plugging exploration drill holes that penetrate single unconfined aquifers and confined or multiple aquifers). In the event that a confined aquifer is penetrated, the weight of the bentonite grout column would be sufficient to overcome formation pressure, or the hole would be plugged using cement grout. Records regarding aquifers encountered during drilling and plugging methods used would be retained for each exploration hole, and those records would be provided to the South Dakota Department of Agriculture and Natural Resources (DANR) upon request. All exploration drill holes will be plugged immediately upon completion while the drill rig is still on the exploration drill pad. If a drill hole needs to remain open for more than 30 days, DTRC LLC will apply for an alternate plugging schedule to temporarily keep the hole open.

5. Provide the estimated cost of implementing and completing the proposed reclamation, and the estimated cost of plugging and sealing each test hole.

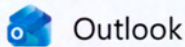
Reclamation of each drill pad is estimated to cost approximately \$3,000. Reclamation of exploration access roads and trails is expected to cost approximately \$5,000 per linear mile. Plugging and sealing drill holes is estimated to cost \$1,000 per hole. DTRC LLC has a statewide surety bond of \$100,000 in place with the State of South Dakota in lieu of drill program-specific surety bonds (SDCL 45-6C-19).

I declare and affirm under the penalties of perjury that this claim (petition, application, information) has been examined by me, and to the best of my knowledge and belief, is in all things true and correct.


Signature

Date: 17 September, 2025

Title: VP of Operations



Outlook

Re: [External]RE: [External Email]DTRC LLC Consultation with local Conservation District for Reclamation Plan- 2026 Richmond Hill IX EXNI Application

From Mathew Albrecht <MALbrecht@dakotagoldcorp.com>
Date Thu 9/17/2026 2:07 PM
To Westlake, Andrea - FPAC-NRCS, SD <andrea.westlake@usda.gov>
Cc Timm Comer <tcomer@dakotagoldcorp.com>

Thank you Andrea.

Much appreciated and have a great rest of your week.

Matt Albrecht

Environmental Specialist
malbrecht@dakotagoldcorp.com

 +1 605 717 2590

 +1 605 381 9878



DAKOTA GOLD

From: Westlake, Andrea - FPAC-NRCS, SD <andrea.westlake@usda.gov>
Sent: Thursday, September 17, 2026 1:58 PM
To: Mathew Albrecht <MALbrecht@dakotagoldcorp.com>
Cc: Timm Comer <tcomer@dakotagoldcorp.com>
Subject: [External]RE: [External Email]DTRC LLC Consultation with local Conservation District for Reclamation Plan- 2026 Richmond Hill IX EXNI Application

Caution: This is an external email. Please take care when clicking links or opening attachments.
Good afternoon,

I have provided the seed mix recommendation for this site, it is the same mix we have suggested on prior sites.

Let me know if you have any questions.
Thanks!

Andrea Westlake

Area Rangeland Management Specialist
Belle Fourche Field Office | Rapid City Area



U.S. DEPARTMENT OF AGRICULTURE

Natural Resources Conservation Service

1837 5th Avenue | Belle Fourche, SD 57717
p: (605) 892-3368 ext.3076 | c: (605) 220-4749

From: Mathew Albrecht <MAlbrecht@dakotagoldcorp.com>
Sent: Thursday, September 17, 2026 11:01 AM
To: Westlake, Andrea - FPAC-NRCS, SD <andrea.westlake@usda.gov>
Cc: Timm Comer <tcomer@dakotagoldcorp.com>
Subject: [External Email]DTRC LLC Consultation with local Conservation District for Reclamation Plan- 2026 Richmond Hill IX EXNI Application
Sensitivity: Confidential

You don't often get email from malbrecht@dakotagoldcorp.com. [Learn why this is important](#)

[External Email]

If this message comes from an **unexpected sender** or references a **vague/unexpected topic**;

Use caution before clicking links or opening attachments.

Please send any concerns or suspicious messages to: Spam.Abuse@usda.gov

Andrea,

Dakota Gold Corp. (DGC) is preparing for the submission of another Exploration Notice of Intent (EXNI) Application with the South Dakota Department of Agriculture and Natural Resources (DANR) for DTRC LLC. This EXNI application (Richmond Hill IX) will be submitted for the Richmond Hill area of Lawrence County once the recommended seed mixture is received for inclusion in the application.

The new permit application is located in the Richmond Hill area of DTRC LLC's current EXNI's: 440, 444, 446, 456, 457, 460, 466, & 467, which have previously been approved by the DANR from 2021 to present. This approval includes recommended seed mixtures from your office, to be approved by the DANR for the application to be complete.

DGC would like to request consultation on a recommended seed mixture that will be utilized under the reclamation plan(s) submitted as part of the EXNI application Richmond Hill IX (per SDCL 45-6C-8(2)).

Enclosed with this email are the following documents for your review to assist with the consultation:

- **RH_EXNI_IX_TopoNewPads_Focus_2026Sep17_v2:** Proposed project site map.
- **Richmond Hill IX Ecological and Soil Report:** All Ecological Sites report created from the NRCS website. See pages 9-11.
- **USDA Approved Seed Mixture for Richmond Hill VIII:** A copy of the previously recommended and approved seed mix that is currently being utilized for reclamation on all other Richmond Hill EXNI permits.

As mentioned above, the RH VIII (EXNI 467) approved seed mix is the same seed mix as EXNI's 440, 444, 446, 456, 457, 460, & 466. DGC would prefer to utilize the current recommended seed mix in the new permit as well, and would request your concurrence if appropriate. However, should you recommend an alternative seed mixture, DGC would implement that recommended seed mixture as part of the submitted reclamation plan to the DANR as part of the EXNI application.

Thank you for your time and continued assistance on our permitting projects. If you have any other questions, feel free to reach out to Timm or myself at any time.

Matt Albrecht

Environmental Specialist

malbrecht@dakotagoldcorp.com

📞 +1 605 717 2590

C +1 605 381 9878



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SEEDING PLAN

Producer DTRC LLC Conservation District: Lawrence MLRA 62

Program CTA Practice No. 342 Practice Name: Critical Area Seeding

CI or Referral No. Contract # *Caution - Practice may not work with Prepared Mix*

Resource Concern (CPPE Impact)

Purpose:

342- Stabilize areas with existing or expected high rates of soil erosion by wind or water

PLANNED

Tract		Seedbed Preparation
Field		Clean, smooth, weed free seedbed will be prepared
Acres	1.00	
Group or Site	Critical Area Group	
Site	Web Soil Survey Loamy or Silty Texture	
Date to be Planted	TechNote4 Early Spring Prior to 5/15	Protection Provided
Alternative planting dates		
Alternative planting dates		Clip weeds before they compete for moisture and light
Seeding Equipment	Special Grass Drill	
Companion Crop	None	

PLANNED

Species * **	1/ Select Improved Variety (recommended) or select common seed (see note below)	Percent in Mixture	Pure Live Seeds (PLS) per square foot	Pure Live Seed (PLS) lbs/ac Needed	Acres to Seed	Pure Live Seed (PLS) lbs Required
Western wheatgrass		105	41.48			
Big bluestem		55.0	20.63	8.02	1.00	8.02
Sideoats grama		15.0	6.75	1.67	1.00	1.67
Slender wheatgrass		5.0	2.25	0.54	1.00	0.54
Green needlegrass		20.0	7.50	2.11	1.00	2.11
Little bluestem		5.0	2.25	0.54	1.00	0.54
Western yarrow		3.0	1.35	0.21	1.00	0.21
Purple prairie clover		1.0	0.38	0.01	1.00	0.01
		1.0	0.38	0.06	1.00	0.06

To meet SD NRCS
Standards Please Note:

1/ Improved varieties recommended above have no restrictions on their origin.

1/ Origin of Common grass seed must be ND, SD, NE, MT, WY, MN, or IA. Exception: Smooth Bromegrass any locale.

1/ Common Native forbs and legumes will originate or be grown in

(USA): ND, SD, NE, MT, IA, WY, ID, WA, OR, MN, WI, and (CAN): AB, BC, MB, ON, SK.

- Seed test must be completed according to SD Seed laws (see link below) and no more than 9 months prior to the date planted.

- All legumes must be pre-inoculated. Producer will provide all seed tags to NRCS

[Legume inoculants](#)

- Tetrazolium (TZ) tests may be used as a substitute for germination tests ONLY for Green Needlegrass

- For Alfalfa Salinity tolerance use F or G from the web site link -->

[Alfalfa Variety Ratings](#)

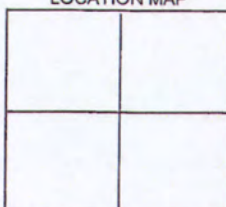
* Pubescent wheatgrass and Intermediate wheatgrass are the same species and can be substituted for one another at any time.

** Thickspike wheatgrass may be substituted for western wheatgrass if the later is not available but only west of the Missouri River.

To calculate the amount needed multiply the western wheatgrass seeding rate by .72

SD Seed Laws [Codified Laws Statute 38-12A](#)Seed testing [SD state seed-lab](#)

LOCATION MAP



Tract

N
↑
S.
T.
R.

Planning Assistance By:

Andrea Westlake

6/12/2025

Name

Date)

Plan Meets SD Standards (if no explain)

Yes ☒No ☐

SEEDING PLAN

Producer **DTRC LLC** Conservation District: **Lawrence** MLRA **62**

Program **CTA** Practice No. **342** Practice Name: **Critical Area Seeding**

CI or Referral No. _____ Contract # _____ *Caution - Practice may not work with Prepared Mix*

Resource Concern (CPPE Impact)

Purpose:

342- Stabilize areas with existing or expected high rates of soil erosion by wind or water

PLANNED

Tract	Richmond Hill IX	Seedbed Preparation
Field		Clean, smooth, weed free seedbed will be prepared
Acres	1.00	
Group or Site	Critical Area Group	
Site	Loamy or Silty Texture	
Date to be Planted	Early Spring Prior to 5/15	Protection Provided
Alternative planting dates	Dormant 11/1 to Spring Thaw	
Alternative planting dates		Clip weeds before they compete for moisture and light
Seeding Equipment	Special Grass Drill	
Companion Crop		

PLANNED

Species * **	1/ Select Improved Variety (recommended) or select common seed (see note below)	Percent in Mixture	Pure Live Seeds (PLS) per square foot	Pure Live Seed (PLS) lbs/ac Needed	Acres to Seed	Pure Live Seed (PLS) lbs Required
Western wheatgrass		55.0	20.63	8.02	1.00	8.02
Big bluestem		15.0	6.75	1.67	1.00	1.67
Sideoats grama		5.0	2.25	0.54	1.00	0.54
Slender wheatgrass		20.0	7.50	2.11	1.00	2.11
Green needlegrass		5.0	2.25	0.54	1.00	0.54
Little bluestem		3.0	1.35	0.21	1.00	0.21
Western yarrow		1.0	0.38	0.01	1.00	0.01
Purple prairie clover		1.0	0.38	0.06	1.00	0.06

To meet SD NRCS

Standards Please Note:

1/ Improved varieties recommended above have no restrictions on their origin.

1/ Origin of Common grass seed must be ND, SD, NE, MT, WY, MN, or IA. Exception: Smooth Bromegrass any locale.

1/ Common Native forbs and legumes will originate or be grown in

(USA): ND, SD, NE, MT, IA, WY, ID, WA, OR, MN, WI, and (CAN): AB, BC, MB, ON, SK.

- Seed test must be completed according to SD Seed laws (see link below) and no more than 9 months prior to the date planted.
- All legumes must be pre-inoculated. Producer will provide all seed tags to NRCS [Legume inoculants](#)
- Tetrazolium (TZ) tests may be used as a substitute for germination tests ONLY for Green Needlegrass
- For Alfalfa Salinity tolerance use F or G from the web site link ---> [Alfalfa Variety Ratings](#)
- * Pubescent wheatgrass and Intermediate wheatgrass are the same species and can be substituted for one another at any time.
- ** Thickspike wheatgrass may be substituted for western wheatgrass if the later is not available but only west of the Missouri River.

To calculate the amount needed multiply the western wheatgrass seeding rate by .72

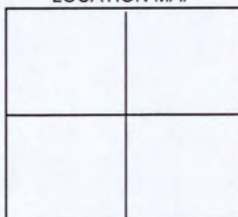
SD Seed Laws

[Codified Laws Statute 38-12A](#)

Seed testing

[SD state seed-lab](#)

LOCATION MAP



Tract

N

S.

T.

R.

Planning Assistance By:

Andrea Westlake

9/17/2026

Name

Date)

Plan Meets SD Standards (if no explain)

Yes ☒No ☐

[illegible]

Custom Soil Resource Report

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit

 Clay Spot

 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water

 Perennial Water

 Rock Outcrop

 Saline Spot

 Sandy Spot

 Severely Eroded Spot

 Sinkhole

 Slide or Slip

 Sodic Spot

 Spoil Area

 Stony Spot

 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

Water Features

 Streams and Canals

Transportation

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lawrence County, South Dakota
Survey Area Data: Version 28, Sep 10, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 16, 2022—Aug 8, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Q0102E	Goldmine-Goldmine, moderately deep complex, 10 to 40 percent slopes	165.0	8.9%
Q0108E	Grizzly-Mineshaft complex, 10 to 40 percent slopes	22.9	1.2%
Q0108G	Grizzly-Mineshaft complex, 40 to 80 percent slopes	440.3	23.8%
Q0112G	Grizzly-Rubbleland-Rock outcrop complex, 40 to 80 percent slopes	81.4	4.4%
Q0114D	Grizzly-Virkula complex, 3 to 15 percent slopes	33.8	1.8%
Q0114E	Grizzly-Virkula complex, 10 to 40 percent slopes	261.4	14.1%
Q0217C	Marshbrook-Cordeston loams, 2 to 9 percent slopes, flooded	0.0	0.0%
Q0221F	Pactola-Buska channery silt loams, 20 to 60 percent slopes	235.2	12.7%
Q0226E	Pactola-Virkula-Rock outcrop complex, 10 to 40 percent slopes	56.9	3.1%
Q0237F	Typic Udarents, reclaimed, 3 to 60 percent slopes	258.7	14.0%
Q0239D	Virkula-Pactola complex, 2 to 15 percent slopes	17.3	0.9%
Q0514C	Citadel-Vanocker complex, 2 to 12 percent slopes	24.1	1.3%
Q0584E	Vanocker-Citadel complex, 10 to 40 percent slopes	11.3	0.6%
Q0584F	Vanocker-Citadel complex, 20 to 60 percent slopes	12.8	0.7%
Q0589G	Vanocker-Sawdust, moist-Rock outcrop complex, 40 to 80 percent slopes	224.4	12.1%
W	Water	7.9	0.4%
Totals for Area of Interest		1,853.4	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.