



**COLORADO**

**Colorado Water  
Conservation Board**

Department of Natural Resources

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**TO:** Colorado Water Conservation Board Members

**FROM:** Andy Moore, Water Resources Engineer  
Interstate, Federal and Water Information Section

**DATE:** July 15-16, 2015 Board Meeting

**AGENDA ITEM:** 16b. HB15-1178 Emergency Dewatering Grant Program - Criteria & Guidelines

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### Introduction

There have been increased occurrences of high groundwater issues since about 2008 in several areas in the lower South Platte Basin, primarily in the Gilcrest-LaSalle area and in two subdivisions on the west side of Sterling. These issues have included water in basements, waterlogging of agricultural fields, and impacts on septic systems and the Town of Gilcrest wastewater treatment plant.

### Background

HB15-1178 (Saine & Humphrey—Marble) establishes an emergency dewatering grant program for the purpose of lowering the water table in areas of Gilcrest and Sterling. The grant program is to be administered by CWCB in collaboration with the State Engineer, and CWCB and DWR are to seek input from the South Platte Basin Roundtable (SPBRT) and their Groundwater Technical Committee (Technical Committee) on the general costs associated with dewatering in these areas. The bill directs the Board, in collaboration with the State Engineer, to develop criteria and guidelines for the grant program and the accompanying real-time data collections, including selection criteria and grantee reporting criteria.

As directed by the bill, funds will be transferred from the General Fund to the Construction Fund in the next two fiscal years for implementation of the grant program: in FY 2015-16, \$165,000 will be transferred; and in FY 2016-17, \$290,000 will be transferred. Note that as the bill is written, this funding is available only in the fiscal year in which it is allocated; therefore, any unused grant funds will be returned to the General Fund. In addition, Rep. Saine has indicated to Staff that the \$125,000 appropriation from the Construction Fund in Section 12 of the 2015 Projects Bill is to be dedicated to this grant program; these funds are continuously appropriated and would be available year-to-year until fully expended. (Section 12 of the Projects Bill (SB15-253) is shown on the second page of this memo.)

As per the bill, CWCB staff, in collaboration with the State Engineer's Office, have developed the attached draft criteria and guidelines for the grant program. These discuss the application and review process and address requirements for the following: application content; plans for the dewatering effort; permitting; any permissions needed; monitoring and accounting; and reporting. An earlier version of these criteria and guidelines were distributed in June to the Technical Committee for comment, and the current draft version has been posted on the CWCB web site.

HB 15-1178 requires CWCB, in consultation with the State Engineer, to make an annual report in 2016 to the Water Resources Review Committee on the progress of the program, as well as a final report to the Water Resources Review Committee by October 1, 2017.

The draft criteria and guidelines and the HB15-1178 legislation are attached to this memo.



### **Staff Recommendation**

CWCB staff recommends that the Board approve the criteria and guidelines for the HB15-1178 Emergency Dewatering Grant Program.

### **Excerpt from SB15-253 CWCB Projects Bill**

*SECTION 12. South Platte river basin groundwater level data collection, analysis, and remediation - appropriation. For the 2015-16 state fiscal year, \$125,000 is appropriated to the department of natural resources for use by the Colorado water conservation board. This appropriation is from the Colorado water conservation board construction fund created in section 37-60-121, C.R.S. In response to damaging high groundwater levels in areas of the South Platte river basin and in consultation with the South Platte basin roundtable's groundwater committee, the department of natural resources may use this appropriation to: Construct, maintain, and monitor dewatering infrastructure; cover dewatering well pumping costs; continue to evaluate both the cause of the high groundwater levels and exigent remediation efforts implemented in response to the high groundwater levels; collect and analyze groundwater data; install instrumentation and monitoring devices; and perform groundwater modeling.*

DRAFT CRITERIA AND GUIDELINES  
FOR EMERGENCY DEWATERING GRANT PROGRAM  
IN AREAS OF GILCREST, COLORADO AND STERLING, COLORADO

**Colorado Water Conservation Board and Colorado Division of Water Resources**

**Approved by CWCB: (date)**

**A. Purpose of the Criteria and Guidelines Document**

House Bill (HB) 15-1178, signed into law by the Governor on June 5, 2015, authorizes the Colorado Water Conservation Board (the “CWCB” or the “Board”), in collaboration with the State Engineer, to administer a grant program for emergency dewatering of areas in and around Gilcrest, Colorado and Sterling, Colorado. Emergency dewatering is intended for areas that the Board and the State Engineer determine are experiencing damaging high groundwater levels. The duration of this grant program is from July 1, 2015 until October 1, 2017.

HB 15-1178 charges the Board, in consultation with the State Engineer, to establish criteria and guidelines for the grant program and accompanying real-time data collection, including selection criteria and grantee reporting criteria. This criteria and guidelines document provides information regarding the application, selection, and approval process for emergency dewatering projects. This document, hereinafter referred to as the “Criteria and Guidelines,” was developed through the collaboration of the CWCB and the State Engineer in accordance with that legislative directive.

Diversions from dewatering wells that return the diverted water to the stream system with no beneficial use do not constitute an appropriation of groundwater. Therefore, diversions from dewatering wells that meet those standards, are approved under this process, and are operated in accordance with the Board and SEO’s conditions of approval, are not subject to priority administration and may operate without a plan to replace delayed depletions to the stream.

These Criteria and Guidelines are effective upon Board approval.

**B. Background**

Due to a combination of natural geology and hydrology, average to above-average precipitation in the South Platte watershed, increased recharge for augmentation purposes, and decreased groundwater pumping, high groundwater within and near the town of Gilcrest and the city of Sterling is causing damage to private and public property and agricultural land. The General Assembly has determined that the water table needs to be lowered immediately to a level that is no longer damaging. HB15-1178 authorizes the CWCB to distribute grant money for the emergency pumping of wells that meet the following requirements:

1. Located within or near the areas of Gilcrest, Colorado and Sterling, Colorado
2. Are or can be permitted for dewatering
3. Additional requirements specific to the grant

Requirements for obtaining a dewatering permit are detailed in Section E. Additional grant requirements are outlined in Section F.

**C. Definitions**

“**Applicant**” means the individual or entity applying for grant money for the purpose of emergency dewatering to lower the groundwater table as part of HB15-1178, either on behalf of themselves or on behalf of a private company or public entity.

**“Damaging high groundwater”** means the water table in the South Platte alluvial aquifer that has risen in recent years to the point of causing damage to private and public property, such as agricultural fields or infrastructure, and is present for more than three months. Duration may be considered on a case-by-case basis provided the Applicant can show the problem is due to regional groundwater rise.

**“Dewatering system”** means a well, drain, sump, or other excavation used for the purpose of keeping the water table below a desired level or elevation where the water produced is returned back to the stream system and not put to beneficial use. Note: A dewatering system is not the same as a dewatering well, defined in Section 37-91-102(4.5), C.R.S.

**“Monitoring system”** means a well, series of wells, or other structures that will be used to monitor groundwater levels in the vicinity of the dewatering system and will be used to measure success of the project. Any structure used for monitoring must not divert water within 30 days of a groundwater level measurement.

**“the River”** means the South Platte River, its alluvium, or a tributary or drainage of the South Platte River.

**“Real-time”** means at least one measurement every 24 hours the system is being used for dewatering purposes.

**“Technical Committee”** means the South Platte Basin Roundtable’s groundwater technical committee.

**“Within or near Gilcrest, Colorado”** means that area inside the Study Area Boundary around Gilcrest and LaSalle as defined in the 2014 Gilcrest/LaSalle Pilot Project Hydrogeologic Characterization Report by the Colorado Geological Survey (detailed boundary map included as Attachment 1).

**“Within or near Sterling, Colorado”** means that area inside the Study Area Boundary around Sterling as defined in Attachment 2.

#### **D. Application Process**

Applicants should submit their applications no later than the 15<sup>th</sup> of the month *prior* to the month in which the next regularly scheduled Board meeting is to be held, in order to guarantee the application will be considered for approval at that meeting. Board meetings are held in the months of July, September, November, January, March, and May. For example, all applications submitted by August 15<sup>th</sup>, 2015 will be reviewed and presented at the Board meeting held in September 2015. The funds from this grant program cannot be used for reimbursing dewatering efforts completed prior to grant approval.

Applicants are encouraged to reach out to the Technical Committee with concept ideas prior to submitting a formal application under these Criteria and Guidelines.

A sample timeline for the application process is as follows:

- **Prior to application submittal:** Applicants approach the Technical Committee with a conceptual dewatering proposal. During this time, the Applicant should work closely with the Technical Committee and the Division Engineer to address all feasibility and administration concerns.
- **Day 0:** Applications for grant and dewatering permit are submitted to the CWCB and State Engineer’s Office (SEO), respectively.

- **Days 0-30:** SEO confirms with Division Engineer and Water Commissioner that the project is administrable from a water rights standpoint and develops terms and conditions to assist with administration.
- **Days 0-30:** CWCB staff takes application to Technical Committee for feedback on grant money amount.
- **Day 30:** SEO advises CWCB staff whether the dewatering permit will be approved.
- **Day 35:** At the next regularly scheduled Board meeting and with dewatering permit feedback from the SEO, CWCB staff makes recommendation to the Board to approve or deny the application grant request. The Board may conditionally approve applicants pending final dewatering permit decision from SEO.
- **Day 45:** SEO issues decision on dewatering permit. If permit is approved, and conditional approval was granted from the Board, dewatering may begin under the grant program.

#### **E. Dewatering Permit Requirements**

The Applicant must obtain a dewatering well permit or permits for the proposed project from the SEO, or have reasonable assurance that a permit or permits will be issued, prior to distribution of grant funding by the CWCB. Emergency dewatering wells in the context of HB15-1178 will be considered “dewatering systems”, as defined in Section B. The form to permit a dewatering system is Form GWS-45, which is attached at the end of this document as Attachment 3. The form must be submitted with a non-refundable \$100 filing fee.

Applicant must show that their operation will return the pumped water to the River without beneficial use to qualify for a dewatering permit. The Applicant will be responsible for following the conditions on the dewatering well permit.

As a part of the permit evaluation process, the SEO must determine if the Applicant has met the 600-foot spacing criteria described in C.R.S. 37-90-137(2)(b). If there are production wells within 600 feet of the proposed well location, the Applicant may consider obtaining 600-foot spacing waivers from the well owners. If 600-foot spacing waivers are not submitted with the well permit application and the SEO has to send 600-foot spacing notices to well owners, the permit application process timeline may be extended.

To qualify for a dewatering well permit, the Applicant must demonstrate the following:

##### **1. Well Ownership**

The Applicant must either be the owner of the well or have an agreement with the well owner to pump the well. If an agreement is required, include a copy of the agreement with the application for a dewatering permit. Examples of an acceptable agreement include: a document signed by all parties giving permission to the Applicant to pump the well, or a letter from the well owner addressed to the Board stating that the owner approves of this use of his or her well. If there are any conditions to the granted permission, those must be clearly stated in the document or letter.

##### **2. How Water Will Be Returned to the River**

The Applicant must show how the pumped groundwater will return to the South Platte River. This could be a written description with accompanying map or diagram. The Applicant must have an agreement with the owner of the proposed conveyance to use their property to carry pumped groundwater to the South Platte River or other drainage. If an agreement is required, include a copy of the agreement with the application for a dewatering permit. Examples of an acceptable agreement include: a document signed by all parties giving permission to the Applicant to convey water across the owner’s property, or a letter or email from the owner of the conveyance addressed to the Board stating that the owner approves of this



use of his or her conveyance. If there are any conditions to the granted permission, those must be clearly stated in the document or letter.

### **3. Beneficial Use of Water**

The Applicant must demonstrate that there will be no beneficial use of the water.

### **4. Monitoring and Accounting**

At a minimum, the Applicant must install a totalizing flow meter and maintain daily records of the volume of water diverted while the dewatering system is operating and submit the records weekly to the Water Commissioner as a condition of the dewatering permit. If the dewatering system will also divert water for other purposes (under a different permit), the SEO requires two meters on the dewatering system; one to measure water diverted for dewatering and one to measure water diverted for beneficial use. The Division Engineer must approve of the metering configuration.

Data must be submitted to the Division One office on an accounting form approved by the SEO. Applicants may create an accounting form or use the sample accounting form included with these Criteria and Guidelines as Attachment 4. The Division Engineer will identify final monitoring and accounting requirements, which will be incorporated into the approved well permit.

## **F. What to Include in the Application for the Grant Program**

This section provides an outline the Applicant may wish to follow in preparing material and applying for the grant program. Much of the detail necessary for the grant application, including information about the proposed operation that provides for its feasibility and ability to be administered, should occur during the process of preparing the dewatering permit application, but there are additional requirements specific to the grant that are included here, including the monitoring of groundwater levels around the affected area.

### **1. Introduction**

In the introductory paragraph(s), include the Applicant's full name, business (if applicable), physical and mailing addresses, phone number, and email address. Briefly describe the area experiencing damaging high groundwater, how long the problem has been going on, and whether the area experiences continual high groundwater or if it is observed to be a seasonal problem. Describe the need for the emergency dewatering. Provide the location of the dewatering system component(s) that will be pumped for emergency dewatering. Briefly explain how the pumped groundwater will be conveyed to the River. Detailed explanations will come in later sections; the intent of the introduction is to describe the problem and proposed solution in general terms.

### **2. Figure**

Following the introductory paragraph, attach a figure showing the dewatering system, monitoring system, and conveyance system to return the dewatering water to the River. This can be as simple as a hand-drawn diagram, but the figure should be clearly labeled and have enough detail to show where the infrastructure is with relation to other major landmarks, e.g., the South Platte River, highways, main streets, etc.

### **3. Proposed and/or Existing Infrastructure**

Provide a detailed description of the infrastructure needed to successfully divert water for dewatering and how it will operate. Here are some sample questions to answer:

- Does the well to be pumped already exist or does it need to be drilled?
- What is the proposed pumping rate?

- How will the pumped water be conveyed to the River? List all conveyances that will carry the water, their location, their material, and the approximate length in which pumped groundwater will travel in them. Include in the attached figure, if appropriate.
- Describe the proposed monitoring system.

If groundwater will be pumped by the dewatering system under another well permit at any time during the dewatering project, describe how the water diverted under the other well permit will be recorded separately from the water diverted for dewatering purposes.

#### **4. Permissions**

Include a paragraph describing the ownership of the dewatering system and monitoring system, the infrastructure that will convey the pumped water to the River, and any private property the infrastructure may need to cross. If any part of the system, conveyance infrastructure, and/or property is owned by someone other than the Applicant, include written documentation of the owner's consent to use his or her property in the way proposed in this application. This can be a signed written agreement or a letter or email from the property owner to the Board authorizing use of and/or access to his or her property.

#### **5. Permitting**

Attach a copy of the permit received from the SEO authorizing the well for dewatering, or if the dewatering permit has not yet been approved, attach a copy of the dewatering permit application that was submitted to the SEO. Attach a copy of any well permits related to the proposed monitoring system.

#### **6. Real-time Monitoring for Data Collection**

As a requirement of HB15-1178, real-time data collection must accompany the emergency pumping of dewatering wells. Describe how the dewatering system will be monitored and reported and how the monitoring system will operate. If the Applicant has worked closely with the technical committee and the Division Engineer to address all feasibility and administration concerns, the real-time monitoring and administration requirements will be known. At a minimum, the Applicant must have:

1. A flow meter (e.g. a totalizer) installed on the pumping well to record the flow rate and volume of water that has been pumped, and
2. A monitoring system to record depth-to-water measurements. The approval of monitoring system designs will be case-specific.

The monitoring system must not be actively diverting water and must have a valid well permit. The Applicant may, with approval of the SEO, identify one or more monitoring wells within the State's existing monitoring well network to use to meet the monitoring requirement instead of installing a new well or new equipment in an existing well.

Usage and access to the monitoring system must be approved by the owner of the system and/or the property, if the owner is not the Applicant. As with the dewatering system and other property, the Applicant must have an agreement with the owner of the monitoring system and/or the property in place prior to applying for this grant. If an agreement is required, include written documentation of the owner's consent to use his or her property in the way proposed in this application. This can be a signed written agreement or a letter or email from the property owner to the Board authorizing use of and/or access to his or her property

In this section of the application, include the brand and model of totalizer that will be used to track the volume of water diverted. Include the brand and model of data logger that will be used to record depth-

to-groundwater. (Note: if the State's monitoring well network will be used for monitoring, the brand and model of data logger is not required.)

#### **7. Measurable Outcome and Duration of Pumping**

Include a paragraph describing the anticipated outcome of the emergency dewatering project. If possible, provide a specific, measurable outcome at which the project will be deemed "successful". Describe the benchmark that will signal the end of the need for emergency dewatering.

Indicate the date when pumping will begin. Will pumping be continuous or will it only occur during certain times? The proposed pumping scheme can be flexible.

#### **8. Itemized Grant Request**

Finally, provide a monetary value of the grant request. Support this request with an itemized table of anticipated costs associated with the proposed pumping scheme. The availability of funding for the grant request is not guaranteed due to the possibility of other grant requests and fiscal year funding constraints.

### **G. Summary of Application Review and Approval Process**

CWCB staff, in consultation with the SEO, will review applications based on the following criteria:

- Existence of damaging high groundwater, and the demonstrated need for emergency dewatering,
- Project location within the boundaries of areas eligible for the grant program,
- Compliance with permission requirements,
- Compliance with permitting requirements,
- Compliance with monitoring requirements,
- Effectiveness of proposal at lowering groundwater table,
- Reasonableness of the requested grant value, and
- Completeness of application (*see* Section F).

During the application review process, CWCB staff will seek input from the Technical Committee on the general costs associated with dewatering within and near Gilcrest and Sterling, and the infrastructure needed to implement the dewatering project. This will serve to verify that the requested value of the grant is appropriate for the proposed project.

At the Board's next regularly scheduled meeting, CWCB staff will present applications to the Board. Upon the Board's review and consideration, the Board may approve the proposed project for grant funding, request that the Applicant provide more information for reconsideration by the Board at its next regularly scheduled meeting, or deny an application. The Board, at its discretion, may also extend conditional approval to applicants who satisfy all requirements of the application and have submitted an application to the SEO for a dewatering permit but have not yet obtained the dewatering permit due to required processing time by the SEO. This conditional approval is intended to allow the Applicant to concurrently submit applications for the dewatering permit and this grant, in an effort to expedite the process. If the dewatering permit application is denied, conditional approval will be revoked.

### **H. Reporting Requirements**

The Applicant shall provide the CWCB with an annual report on the status of the dewatering project for each fiscal year (July 1 to June 30) the project is operating; the report will be due by July 31<sup>st</sup> following the end of the relevant fiscal year. The report will include a short narrative of the status of the project, successes to date, and any issues or concerns the Applicant has encountered, as well as an electronic file containing all monitoring system and pumping data collected during the previous fiscal year. These



reports will inform the Board's 2016 annual report and 2017 final report to the Water Resources Review Committee, as per HB15-1178's requirements.

**I. How to Apply**

The application fee for funding for emergency dewatering is \$100, to be submitted to the CWCB at the time an application is submitted for consideration. There is no annual review fee for approved projects.

Applicants should submit the application and application fee to the CWCB, either by emailing the application as a *single* PDF file to the **Dewatering Grant Program** at [program2015@state.co.us](mailto:program2015@state.co.us) and mailing the application fee or by mailing a hard copy of the application and the application fee to the address given below:

Attn: Dewatering Grant Program  
CWCB  
1313 Sherman St., Room 718  
Denver, CO 80203

HB15-1178 requires the Board, in collaboration with the State Engineer, to provide the Water Resources Review Committee with a final report on the grant program on or before October 1, 2017. Therefore, October 1, 2017 will be considered the end of the grant program.

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# Attachment 1 Gilcrest Study Area Boundary

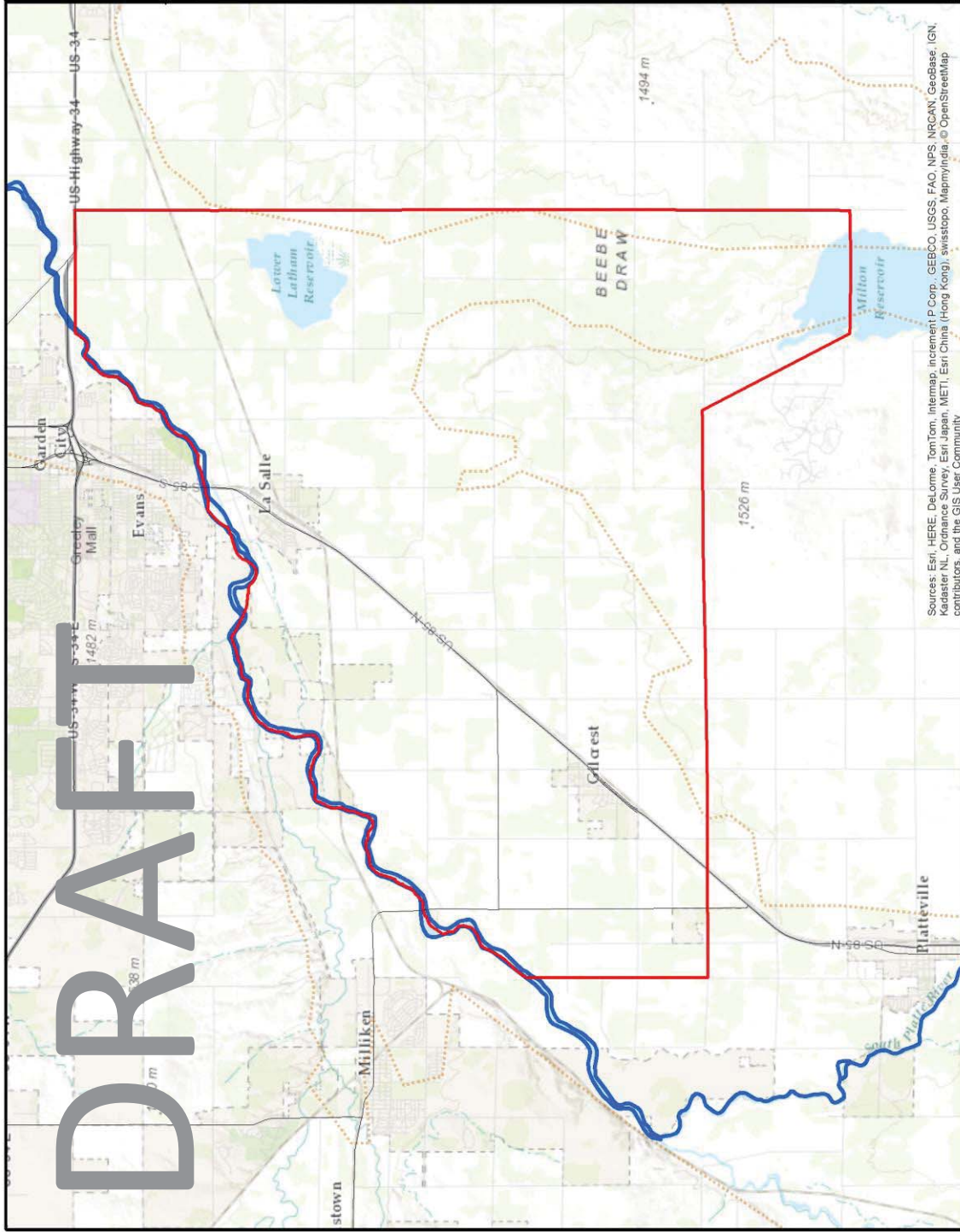
## Legend

- Study Area Boundary
- South Platte River
- Alluvial Aquifer Extent (SPDSS)

## Data Source Reference:

Regional Alluvial Aquifer  
Mapping From SPDSS  
(2012)

Adapted from the  
Gilcrest/LaSalle Pilot Project  
Hydrogeologic Characterization  
Report



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swastopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

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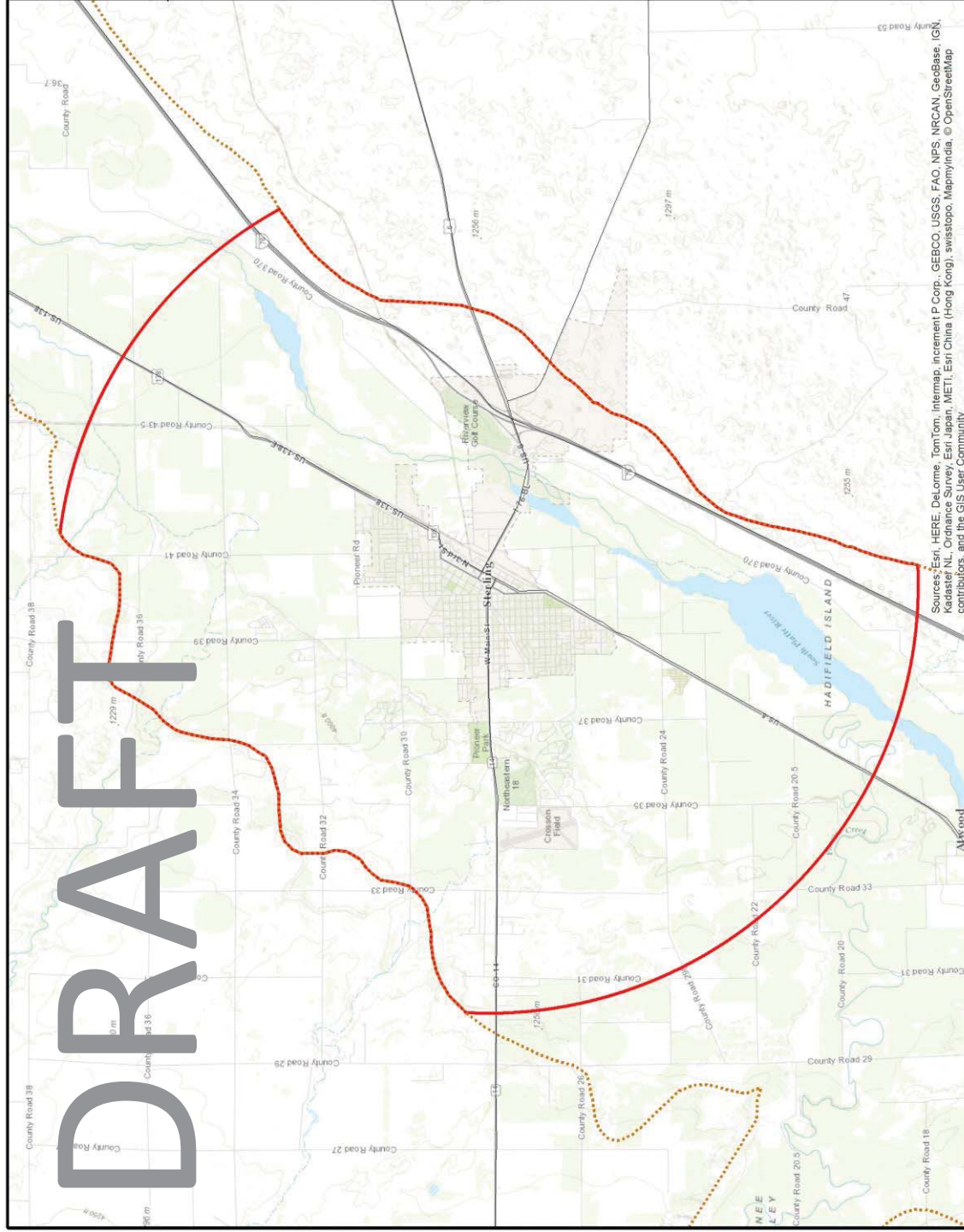
## Attachment 2 Sterling Study Area Boundary

### Legend

- Study Area Boundary
- Alluvial Aquifer Extent (SPDSS)

### \*Data Source Reference:

Regional Alluvial Aquifer  
Mapping From SPDSS  
(2012)



Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), Swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

<b>COLORADO DIVISION OF WATER RESOURCES</b> <b>DEPARTMENT OF NATURAL RESOURCES</b> <b>1313 SHERMAN ST, RM 821, DENVER, CO 80203</b> Main: (303) 866-3581 Fax: (303) 866-2223 <a href="mailto:dwrpermitsonline@state.co.us">dwrpermitsonline@state.co.us</a>		Office Use Only <span style="float: right; border: 1px solid black; padding: 2px;">Form GWS-45 (07/2013)</span>	
<b>GENERAL PURPOSE</b> <b>Water Well Permit Application</b> Review instructions on reverse side prior to completing form. The form must be computer generated, typed or in black or blue ink.		<b>6. Use Of Well (check applicable boxes)</b> Attach a detailed description of uses applied for. <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Industrial  <input type="checkbox"/> Municipal  <input type="checkbox"/> Irrigation  <input type="checkbox"/> Commercial         </div> <div> <input type="checkbox"/> Dewatering System  <input type="checkbox"/> Geothermal (production or reinjection)  <input type="checkbox"/> Other (describe): _____         </div> </div>	
<b>1. Applicant Information</b> Name of applicant _____  Mailing address _____  <div style="display: flex;"> <div style="flex: 1;">City _____</div> <div style="flex: 1;">State _____</div> <div style="flex: 1;">Zip code _____</div> </div> <div style="display: flex;"> <div style="flex: 1;">Telephone # (area code &amp; number) _____</div> <div style="flex: 1;">E-mail (online filing required) _____</div> </div>		<b>7. Well Data (proposed)</b> <div style="display: flex;"> <div style="flex: 1;">Maximum pumping rate _____ gpm</div> <div style="flex: 1;">Annual amount to be withdrawn _____ acre-feet</div> </div> <div style="display: flex;"> <div style="flex: 1;">Total depth _____ feet</div> <div style="flex: 1;">Aquifer _____</div> </div>	
<b>2. Type Of Application (check applicable boxes)</b> <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Construct new well  <input type="checkbox"/> Replace existing well  <input type="checkbox"/> Change source (aquifer)  <input type="checkbox"/> COGCC Well         </div> <div> <input type="checkbox"/> Use existing well  <input type="checkbox"/> Change or increase use  <input type="checkbox"/> Reapplication (expired permit)  <input type="checkbox"/> Other: _____         </div> </div>		<b>8. Land On Which Ground Water Will Be Used</b> Legal Description of Land (may be provided as an attachment):   (If used for crop irrigation, attach a scaled map that shows irrigated area.) <div style="display: flex;"> <div style="flex: 1;">A. # Acres _____</div> <div style="flex: 1;">B. Owner _____</div> </div> C. List any other wells or water rights used on this land: _____	
<b>3. Refer To (if applicable)</b> <div style="display: flex;"> <div style="flex: 1;">Well permit # _____</div> <div style="flex: 1;">Water Court case # _____</div> </div> <div style="display: flex;"> <div style="flex: 1;">Designated Basin Determination # _____</div> <div style="flex: 1;">Well name or # _____</div> </div>		<b>9. Proposed Well Driller License #(optional):</b> <b>10. Sign or Entered Name Of Applicant(s) Or Authorized Agent</b> The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104 (13)(a). I have read the statements herein, know the contents thereof and state that they are true to my knowledge. <div style="display: flex;"> <div style="flex: 2;">Sign or enter name(s) of person(s) submitting application _____</div> <div style="flex: 1;">Date (mm/dd/yyyy) _____</div> </div>	
<b>4. Location Of Proposed Well</b> County _____ <div style="display: flex; justify-content: space-between;"> <div style="flex: 1;">           Section _____ Township _____ N or S <input type="checkbox"/> <input type="checkbox"/> </div> <div style="flex: 1;">           Range _____ E or W <input type="checkbox"/> <input type="checkbox"/> </div> <div style="flex: 1;">           1/4 of the _____ 1/4            Principal Meridian _____         </div> </div> Distance of well from section lines (section lines are typically not property lines) Ft. from <input type="checkbox"/> N <input type="checkbox"/> S _____ Ft. from <input type="checkbox"/> E <input type="checkbox"/> W _____ For replacement wells only – distance and direction from old well to new well _____ feet _____ direction Well location address (Include City, State, Zip) <input type="checkbox"/> Check if well address is same as in Item 1. _____  <b>Optional:</b> GPS well location information in UTM format You must check GPS unit for required settings as follows: <div style="display: flex;"> <div style="flex: 1;">           Format must be UTM  <input type="checkbox"/> Zone 12 or <input type="checkbox"/> Zone 13            Units must be Meters  <b>Datum must be NAD83</b>            Unit must be set to true north            Was GPS unit checked for above? <input type="checkbox"/> YES         </div> <div style="flex: 1;">           Easting _____            Northing _____  <b>Remember to set Datum to NAD83</b> </div> </div>		<b>Office Use Only</b> <div style="display: flex;"> <div style="flex: 1;">USGS map name _____</div> <div style="flex: 1;">DWR map no. _____</div> <div style="flex: 1;">Surface elev. _____</div> </div> <div style="border: 1px solid black; height: 150px; margin-top: 10px;"> <div style="position: absolute; top: 10px; right: 10px;">Receipt area only</div> </div> <div style="margin-top: 10px;">           AQUAMAP            WE            WR            CWCB            TOPO            MYLAR            SB5         </div> <div style="text-align: right; margin-top: 10px;">           DIV _____ WD _____ BA _____ MD _____         </div>	
<b>5. Parcel On Which Well Will Be Located</b> <b>(PLEASE ATTACH A CURRENT DEED FOR THE SUBJECT PARCEL)</b> A. Legal Description (may be provided as an attachment):          B. # of acres in parcel _____ C. Owner _____ D. Will this be the only well on this parcel? <input type="checkbox"/> YES <input type="checkbox"/> NO (if no list other wells)  E. State Parcel ID# (optional): _____			



## GENERAL PURPOSE WELL PERMIT APPLICATION INSTRUCTIONS

**Applications must be computer generated on-line, typewritten or printed in BLACK or BLUE INK. ALL ITEMS in the application must be completed. Incomplete applications may be returned to the applicant for more information. Applications are evaluated in chronological order. Please allow approximately six weeks for processing.** This form may be reproduced by photocopying or computer generation. Reproductions must retain margins and print quality of the original form. If filing online see online filing instructions! You may also save, print, scan and email the completed form to: [dwrpermitsonline@state.co.us](mailto:dwrpermitsonline@state.co.us) For further information please visit [www.water.state.co.us](http://www.water.state.co.us)

**FEES:** This application must be submitted with a \$100 filing fee. Acceptable forms of payment are check or money order, payable to the Colorado Division of Water Resources. Visa, MasterCard or Discover are accepted by phone through our Records Section at 303.866.3581. **Fees are nonrefundable.**

**USES:** This form (GWS-45) is to be used to apply for commercial, industrial, municipal, irrigation, feed lot, geothermal (see Geothermal Rules for fee requirements), recovery wells, and other uses not otherwise noted in the following list:

RESIDENTIAL use wells – Use of form GWS-44 is required  
LIVESTOCK watering on a farm, ranch, range or pasture (not feedlots) – Use form GWS-44  
MONITORING/OBSERVATION wells – Use form GWS-46  
GRAVEL PITS – Use form GWS-27  
REGISTRATION of an existing well – Use form GWS-12 (must have been in use prior to May 8, 1972)  
GEOEXCHANGE SYSTEM LOOP FIELDS – Use form GWS-72  
REPLACEMENTS OF WELLS FOR THE ABOVE USES

### **ITEM INSTRUCTIONS:** (numbers correspond with those on the front of this form)

1. The applicant is the entity for whom the permit is to be issued. Provide the applicant name and the mailing address where all correspondence will be sent.
2. Check all boxes that apply.
3. Complete all boxes that apply. If the permit is to be issued pursuant to a water court decree or a Designated Basin determination of water right, the case number or determination number must be indicated. If applying to replace or change the use of an existing well, the permit number of the existing well must be indicated.
4. The county, ¼ of the ¼ section designation, section #, township, range, principal meridian, and distances from section lines for the proposed well must be provided. (An option to providing distances from section lines and the ¼ of the ¼ section designation is to provide an accurate GPS location in UTM format. The required GPS unit settings must be as indicated on this form.) Colorado contains two (2) UTM zones. Zone 13 covers most of Colorado. The boundary between Zone 12 and Zone 13 is the 108<sup>th</sup> Meridian (longitude). West of the 108<sup>th</sup> Meridian is UTM Zone 12 and east of the 108<sup>th</sup> Meridian is UTM Zone 13. The 108<sup>th</sup> Meridian is approximately 57 miles east of the Colorado-Utah state line. On most GPS units, the UTM zone is given as part of the Easting measurement, e.g. 12T0123456. Check the appropriate box for the zone. Provide the property address of the well location if one exists. If it is the same as the mailing address, check the box next to the well location address.
5. **Please attach a current deed for the subject parcel.** Complete all boxes and provide a complete legal description of the parcel of land on which the well will be located. **If filing online please see online filing instructions for how to submit deed and or legal description attachments.**
6. Check all boxes that apply and attach a detailed description of the uses applied for.
7. Complete all boxes.
8. Complete all boxes and provide a legal description of the land areas on which ground water from the proposed well will be used. If agricultural irrigation is a proposed use, provide a map of the land area with proposed irrigated areas accurately drawn, including section numbers and section lines. A list of all other wells or water rights used on the described land must be provided.
9. The well must be constructed by a Colorado licensed well driller, an authorized individual in accordance with the Water Well Construction Rules, 2 CCR 402-2, or under the "private driller" provision as defined in CRS 37-91-102(12). A listing of licensed well drillers/pump installers is available at: <http://water.state.co.us/groundwater/BOE/Pages/LicensedContractors.aspx>
10. The individual signing the application or entering their name and title must be the applicant or an officer of the corporation/company/agency identified as the applicant or their attorney. An authorized agent may also sign the application, if a letter signed by the applicant or their attorney is submitted with the application authorizing that agent to sign or enter their name on the applicant's behalf. If you filled the form out on-line you may save or print, sign, scan and email the form to the Division of Water Resources. Payment must be received via phone, fax or mail prior to processing the application.

**IF YOU HAVE ANY QUESTIONS** regarding any item on the application form, please call the Division of Water Resources Ground Water Information Desk (303-866-3587), or the nearest Division of Water Resources Field Office located in Greeley (970-352-8712), Pueblo (719-542-3368), Alamosa (719-589-6683), Montrose (970-249-6622), Glenwood Springs (970-945-5665), Steamboat Springs (970-879-0272), or Durango (970-247-1845), or refer to our web site at <http://www.water.state.co.us> for general information, additional forms, and access to state rules or statutes.



SAMPLE DEWATERING ACCOUNTING FORM

Structure Name: Dewatering Well 1      Water District: 1  
Well Permit no: 999999-F  
Comments:      Water Year: 2015

Flowmeter multiplier:      Ac/ft

DAY	Nov.		Dec.		Jan.		.....		Oct.	
	Flowmeter	Flowmeter	Flowmeter	Flowmeter	Flowmeter	Flowmeter	Flowmeter	Flowmeter	Flowmeter	Flowmeter
1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
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19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										

Total										
Count Reading	0	0	0	0	0	0	0	0	0	0
Max Reading	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Min/Max Chk	0	0	0	0	0	0	0	0	0	0

Infrequent Diversions										
Nov		Dec		Jan		Feb		Mar		
Total for Month		0.000		0.000		0.000		0.000		
Dly Avg For Month(CFS)		0.00		0.00		0.00		0.00		

Total for Year      Avg. Daily For Year(CFS)

**NOTE:** This bill has been prepared for the signatures of the appropriate legislative officers and the Governor. To determine whether the Governor has signed the bill or taken other action on it, please consult the legislative status sheet, the legislative history, or the Session Laws.



HOUSE BILL 15-1178

BY REPRESENTATIVE(S) Saine and Humphrey, Arndt, Pettersen, Priola, Ryden, Vigil, Windholz, Young, Ginal;  
also SENATOR(S) Marble and Sonnenberg, Crowder, Hodge, Lambert, Lundberg, Neville T., Woods.

CONCERNING THE STATE ENGINEER'S AUTHORITY TO ALLOW WELL USERS TO LOWER THE WATER TABLE IN AN AREA THAT THE STATE ENGINEER DETERMINES IS EXPERIENCING DAMAGING HIGH GROUNDWATER LEVELS, AND, IN CONNECTION THEREWITH, ESTABLISHING AN EMERGENCY DEWATERING GRANT PROGRAM FOR THE PURPOSE OF LOWERING THE WATER TABLE IN AREAS OF GILCREST, COLORADO, AND STERLING, COLORADO AND MAKING AN APPROPRIATION.

*Be it enacted by the General Assembly of the State of Colorado:*

**SECTION 1.** In Colorado Revised Statutes, 37-60-121, **add** (10) as follows:

**37-60-121. Colorado water conservation board construction fund - creation of - nature of fund - funds for investigations - contributions - use for augmenting the general fund - funds created - repeal. (10) Emergency dewatering grant program and data collection - fund - creation - legislative declaration.** (a) (I) THE GENERAL

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*Capital letters indicate new material added to existing statutes; dashes through words indicate deletions from existing statutes and such material not part of act.*

ASSEMBLY FINDS AND DETERMINES THAT HIGH GROUNDWATER LEVELS IN THE AREAS OF GILCREST, COLORADO, AND STERLING, COLORADO, ARE DAMAGING CROPS AND FLOODING BASEMENTS AND SEPTIC SYSTEMS. TO MITIGATE THE DAMAGING HIGH GROUNDWATER LEVELS, THE WATER TABLE NEEDS TO BE LOWERED IMMEDIATELY TO A LEVEL THAT IS NO LONGER DAMAGING BY MEANS OF EMERGENCY PUMPING OF WELLS THAT ARE:

(A) LOCATED WITHIN OR NEAR THE AREAS OF GILCREST, COLORADO, AND STERLING, COLORADO; AND

(B) PERMITTED FOR DEWATERING.

(II) THE GENERAL ASSEMBLY FURTHER FINDS AND DETERMINES THAT REAL-TIME DATA COLLECTION SHOULD ACCOMPANY THE EMERGENCY PUMPING OF DEWATERING WELLS.

(III) THEREFORE, THE GENERAL ASSEMBLY FINDS, DETERMINES, AND DECLARES THAT THE STATE OF COLORADO SHOULD FACILITATE THE EMERGENCY PUMPING OF DEWATERING WELLS IN THE AREAS OF GILCREST, COLORADO, AND STERLING, COLORADO, THROUGH THE ESTABLISHMENT AND FUNDING OF A GRANT PROGRAM.

(b) THE EMERGENCY DEWATERING GRANT ACCOUNT, REFERRED TO IN THIS SUBSECTION (10) AS THE "ACCOUNT", IS HEREBY CREATED IN THE COLORADO WATER CONSERVATION BOARD CONSTRUCTION FUND. FOR THE 2015-16 FISCAL YEAR, THE STATE TREASURER SHALL TRANSFER ONE HUNDRED SIXTY-FIVE THOUSAND DOLLARS FROM THE GENERAL FUND TO THE ACCOUNT AND FOR THE 2016-17 FISCAL YEAR, THE STATE TREASURER SHALL TRANSFER TWO HUNDRED NINETY THOUSAND DOLLARS FROM THE GENERAL FUND TO THE ACCOUNT FOR IMPLEMENTATION OF THE EMERGENCY DEWATERING GRANT PROGRAM CREATED IN THIS SUBSECTION (10).

(c) (I) THE BOARD, IN COLLABORATION WITH THE STATE ENGINEER, SHALL EXPEND MONEY FROM THE ACCOUNT TO AWARD GRANTS FOR EMERGENCY PUMPING OF WELLS PERMITTED FOR DEWATERING WITHIN OR NEAR GILCREST, COLORADO, OR WITHIN OR NEAR STERLING, COLORADO. THE BOARD, IN COLLABORATION WITH THE STATE ENGINEER, MAY AWARD GRANTS TO PUBLIC ENTITIES, PRIVATE ENTITIES, AND PRIVATE INDIVIDUALS SEEKING TO IMPLEMENT EMERGENCY PUMPING OF WELLS PERMITTED FOR

DEWATERING. THE BOARD SHALL SEEK INPUT FROM THE SOUTH PLATTE BASIN ROUNDTABLE, CREATED IN SECTION 37-75-104 (3) (b) (I), AND THE ROUNDTABLE'S TECHNICAL COMMITTEE ON THE GENERAL COSTS ASSOCIATED WITH DEWATERING WITHIN AND NEAR GILCREST, COLORADO, AND WITHIN AND NEAR STERLING, COLORADO, AND THE INFRASTRUCTURE NEEDED TO IMPLEMENT THE DEWATERING PROJECT.

(II) THE BOARD, IN COLLABORATION WITH THE STATE ENGINEER, SHALL DEVELOP CRITERIA AND GUIDELINES FOR THE GRANT PROGRAM AND THE ACCOMPANYING REAL-TIME DATA COLLECTION, INCLUDING SELECTION CRITERIA AND GRANTEE REPORTING CRITERIA.

(III) THE BOARD MAY ACCEPT AND EXPEND GIFTS, GRANTS, AND DONATIONS FOR THE PURPOSES OF THIS SUBSECTION (10), BUT THE IMPLEMENTATION OF THIS SUBSECTION (10) IS NOT DEPENDENT ON THE RECEIPT OF GIFTS, GRANTS, AND DONATIONS. THE BOARD SHALL TRANSMIT ALL MONEY RECEIVED THROUGH GIFTS, GRANTS, OR DONATIONS TO THE STATE TREASURER, WHO SHALL CREDIT THEM TO THE ACCOUNT.

(IV) (A) ON AN ANNUAL BASIS, THE BOARD, IN COLLABORATION WITH THE STATE ENGINEER, SHALL REPORT TO THE WATER RESOURCES REVIEW COMMITTEE, CREATED IN SECTION 37-98-102, ON THE PROGRESS OF THE GRANT PROGRAM.

(B) ON OR BEFORE OCTOBER 1, 2017, THE BOARD, IN COLLABORATION WITH THE STATE ENGINEER, SHALL PROVIDE THE WATER RESOURCES REVIEW COMMITTEE WITH A FINAL REPORT ON THE GRANT PROGRAM.

(C) TO ASSIST WITH THE REPORTING REQUIREMENTS OF THIS SUBPARAGRAPH (IV), THE BOARD, IN COLLABORATION WITH THE STATE ENGINEER, SHALL DEVELOP REPORTING REQUIREMENTS FOR GRANTEES.

(d) THIS SUBSECTION (10) IS REPEALED, EFFECTIVE JULY 1, 2018.

**SECTION 2. Appropriation.** For the 2015-16 state fiscal year, \$165,000 is appropriated to the department of natural resources for use by the Colorado water conservation board. This appropriation is from the emergency dewatering grant account within the Colorado water conservation board construction fund created in section 37-60-121 (10) (b),

C.R.S. The board may use this appropriation to implement this act.

**SECTION 3. Safety clause.** The general assembly hereby finds, determines, and declares that this act is necessary for the immediate preservation of the public peace, health, and safety.

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Dickey Lee Hullinghorst  
SPEAKER OF THE HOUSE  
OF REPRESENTATIVES

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Bill L. Cadman  
PRESIDENT OF  
THE SENATE

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Marilyn Eddins  
CHIEF CLERK OF THE HOUSE  
OF REPRESENTATIVES

---

Cindi L. Markwell  
SECRETARY OF  
THE SENATE

APPROVED \_\_\_\_\_

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John W. Hickenlooper  
GOVERNOR OF THE STATE OF COLORADO