

**BEFORE THE DIVISION OF WATER RESOURCES
KANSAS DEPARTMENT OF AGRICULTURE**

In the Matter of the Designation of the)
Four-County Local Enhanced Management Area)
in Wallace, Greeley, Scott, and Lane counties, Kansas)
Pursuant to K.S.A. 82a-1041.)
_____)

003 – DWR-LEMA – 2022

**FINDINGS AND ORDER ESTABLISHING THE INITIAL REQUIREMENTS FOR THE
DESIGNATION OF A LOCAL ENHANCED MANAGEMENT AREA**

The above-captioned matter came before the Chief Engineer of the Division of Water Resources, Kansas Department of Agriculture (“Chief Engineer”), for an initial public hearing regarding the establishment of the Western Kansas Groundwater Management District No. 1 Four-County Local Enhanced Management Area (“Four-County LEMA”) on October 17, 2022 at 9:00 a.m. For the reasons set forth below, the Chief Engineer hereby determines that the initial requirements for the establishment of a local enhanced management area have been shown to exist and hereby finds and orders that a second public hearing regarding the designation of the Four-County LEMA shall be conducted.

Procedural Background

1. On July 1, 2022, Western Kansas Groundwater Management District No. 1 (“GMD1”) submitted to the Kansas Department of Agriculture, Division of Water Resources (“DWR”) a formal request for the establishment of the Four-County LEMA within the boundaries of GMD1 in Wallace, Greeley, Scott, and Lane Counties. GMD1’s request and the proposed Four-County LEMA Management Plan is made a part hereof and attached hereto as **Exhibit A**.
2. The Chief Engineer found that GMD1’s submitted proposal met the requirements of K.S.A. 82a-1041(a), specifically that the submitted LEMA plan proposed clear geographic boundaries, pertained to an area wholly within a groundwater management district, proposed appropriate goals and corrective control provisions to meet the stated goals, gave due consideration to existing conservation measures, included a compliance monitoring and enforcement element, and is consistent with state law. Accordingly, on August 4, 2022, the Chief Engineer notified GMD1 that its proposed LEMA plan was acceptable for further consideration and that an initial public hearing to consider the designation of the proposed LEMA would be scheduled. The Chief Engineer’s letter providing such notice to GMD1 is made a part hereof and attached hereto as **Exhibit B**.
3. An initial public hearing was scheduled and, pursuant to K.S.A. 82a-1041(b), timely notice of the initial public hearing was mailed to each water right owner located within the boundaries of the proposed Four-County LEMA and was published in the Kansas Register and in three newspapers of general circulation in the area within the proposed LEMA boundary.

4. The Chief Engineer presided over a prehearing conference to outline hearing procedures for the initial hearing on September 27, 2022 and issued a Prehearing Order setting out the same on September 29, 2022.
5. Pursuant to the Pre-Hearing Order, the Chief Engineer presided over the initial public hearing on October 17, 2022 to determine whether the proposed LEMA plan submitted by GMD1 meets the initial requirements contained in K.S.A. 82a-1041(b). Written comments submitted to DWR were accepted in advance of the hearing, and oral testimony was accepted during the initial public hearing from in-person attendees at the William Carpenter Building at the Scott County Fairgrounds in Scott City, Kansas and at the Risen King Community Church in Weskan, Kansas. Written comments were also accepted until the close of the record of the initial public hearing on October 27, 2022.

Applicable Law

1. The formation of a local enhanced management area is governed pursuant to K.S.A. 82a-1041. When the Chief Engineer finds that a local enhanced management plan submitted by a groundwater management district is acceptable for consideration, then the Chief Engineer shall initiate proceedings to designate a local enhanced management area as soon as practicable.
2. Once the proceedings are initiated, the Chief Engineer shall hold an initial public hearing to resolve the following:
 - a. Whether one or more of the circumstances specified in K.S.A. 82a-1036(a) through (d), and amendments thereto, exist;
 - b. Whether the public interest of K.S.A. 82a-1020, and amendments thereto, requires that one or more corrective control provisions be adopted; and
 - c. Whether the geographic boundaries are reasonable.
3. The following circumstances are specified in K.S.A. 82a-1036(a) through (d):
 - a. Groundwater levels in the area in question are declining or have declined excessively;
 - b. The rate of withdrawal of groundwater within the area in question equals or exceeds the rate of recharge in such area;
 - c. Preventable waste of water is occurring or may occur within the area in question;
or
 - d. Unreasonable deterioration of the quality of water is occurring or may occur within the area in question.
4. K.S.A. 82a-1020 recognizes that it is in the interest of the public to create “special districts for the proper management of the groundwater resources of the state; for the conservation of groundwater resources; for the prevention of economic deterioration; for associated endeavors within the state of Kansas through the stabilization of agriculture; and to secure for Kansas the benefit of its fertile soils and favorable location with respect to national and world markets. It is the policy of this act to preserve basic water use doctrine and to establish the right of local water users to determine their destiny with respect to the use of the groundwater insofar as it does not conflict with the basic laws and policies of the state of Kansas.”

Testimony Submitted in Accordance with the Hearing Procedure

1. Prior to the initial public hearing, written testimony was submitted by the following individuals or entities:
 - a. Katie Durham; Manager, Western Kansas Groundwater Management District No. 1; Scott City, Kansas – Written prehearing testimony submitted by GMD1 expanded upon the oral testimony provided by Ms. Durham during the initial public hearing, which is discussed in more detail in the following section of this Order.
 - b. Mike Meyer; Water Commissioner, DWR Garden City Field Office – Mr. Meyer’s written testimony discussed the history that he and his staff have of providing support to GMD1, including in the development of the proposed Four-County LEMA. It also expressed support for the proposed Four-County LEMA, including Mr. Meyer’s opinion that the proposed LEMA plan and the conditions within the proposed LEMA boundary meet the criteria of K.S.A. 82a-1041(b), and that the proposed LEMA will promote water conservation within the area in question, thereby serving the interests of all citizens in the area. Mr. Meyer’s testimony noted that there has been strong public attendance at GMD1 board meetings where the proposed Four-County LEMA has been discussed and further stated that, if needed, the staff of DWR’s Garden City Field Office is prepared to assist GMD1 with the administration of any LEMA that is ultimately designated.
 - c. Kansas Geological Survey – The Kansas Geological (“KGS”) submitted written testimony prior to the initial public hearing that expanded on the oral testimony provided by Brownie Wilson during the initial public hearing. Mr. Wilson’s oral testimony is discussed in more detail in the following section of this Order.
 - d. Representative Jim Minnix; Kansas House of Representatives, 118th District – Representative Minnix’s written testimony expressed strong support for the proposed Four-County LEMA and stated his belief that the plan has been well-received by the public and is a good first step in implementing water conservation practices that will contribute to reducing declines in the Ogallala Aquifer and thereby aid in maintaining the local economy. Representative Minnix also stated his belief that the exemptions contained in the Four-County LEMA plan appear to be reasonable and his hope that the designation of this LEMA will lead to even more aggressive conservation measures when this LEMA is renewed and will inspire other Kansas groundwater management districts to take increased action.
 - e. Representative Lindsay Vaughn; Kansas House of Representatives, 22nd District – Representative Vaughn’s written testimony expressed support for the proposed Four-County LEMA, specifically praising GMD1 for its work, leadership, and outreach efforts in developing the proposed LEMA.

- f. Connie Owen; Director, Kansas Water Office – Written testimony submitted by the Kansas Water Office expressed support for the development of LEMAs in general and support for the proposed Four-County LEMA specifically.
- g. Shannon Kenyon; Manager, Northwest Kansas Groundwater Management District No. 4; Colby, Kansas – Ms. Kenyon’s written testimony expressed strong support for the proposed Four-County LEMA and stated that Northwest Kansas Groundwater Management District No. 4 (“GMD4”) has found the Sheridan 6 LEMA, which was previously implemented within GMD4 as the first LEMA in the state, to be a very effective tool in reducing groundwater depletion and changing the way producers manage their water resources in order to extend the life of the High Plains Aquifer in Western Kansas. Ms. Kenyon’s testimony also expressed support for the leadership shown by GMD1 in finding a unique solution for the four-county area, as water resource problems vary significantly among the different areas of the state.
- h. Alicia Allen; Chair, Upper Smoky Hill Regional Advisory Committee – Written testimony submitted by the Upper Smoky Hill Regional Advisory Committee discussed the organization’s past support for the Wichita County LEMA within GMD1, expressed general support for the proposed Four-County LEMA, and expressed the opinion that the proposed Four-County LEMA meets the applicable requirements of K.S.A. 82a-1041.
- i. Matt Smith; Conservation Delivery Manager, Playa Lakes Joint Venture – Testimony submitted by Playa Lakes Joint Venture expressed support for the Four-County LEMA and a desire to continue working with groundwater management districts and Kansas communities and individuals in order to find solutions that promote the sustainability of Kansas’s water resources.
- j. Everett M. Green; Mayor, City of Scott City, Kansas – Mr. Green’s written testimony expressed strong support for the designation of the Four-County LEMA and expressed his opinion that the depletion of the Ogallala Aquifer is and will continue to be the biggest challenge facing Western Kansas. Mr. Green also noted the national security implications of securing the U.S. food supply inherent in extending the life of the Aquifer and lauded GMD1’s public outreach efforts regarding the Four-County LEMA, which he stated have achieved buy-in from irrigators for this locally-driven solution.
- k. Joel Jarnagin; President and CEO, Cobalt Cattle – Cobalt Cattle’s written testimony expressed support for the proposed Four-County LEMA.
- l. John Huslig; Farmer and Water Right Owner; Scott County, Kansas – Mr. Huslig’s written testimony expressed concern with the proposed Four-County LEMA in two primary areas: that the proposed LEMA’s only boundaries are that it covers the whole GMD (other than Wichita County, which has an existing LEMA) and that the LEMA uses authorized acres rather than recent 10-year average irrigated acres

to determine the reductions in water use that will be required for specific water rights within the LEMA. Mr. Huslig's testimony also stated that the proposed LEMA should not treat all areas of GMD1 as though they have experienced and continue to experience water level declines of the same amount and at the same rate.

2. The following individuals or entities provided oral testimony during the formal phase of the initial public hearing:

- a. Brownie Wilson; Kansas Geological Survey; Lawrence, Kansas – Mr. Wilson's oral testimony discussed the past involvement KGS has had in GMD1, including its work measuring water levels across the district annually and maintaining 11 continuously monitored, telemetry-equipped observation wells within the district. Mr. Wilson testified that, at the request of GMD1, KGS has recently explored changes in water levels in GMD1 and the relationship between those changes and groundwater usage. Mr. Wilson testified that the results of this work showed that the High Plains Aquifer is the primary source of water for the vast majority of wells within GMD1 and that the thickness of the Aquifer does vary greatly within GMD1, sometimes ranging from 0 to over 150 feet of saturated thickness within a few miles.

Mr. Wilson testified that groundwater level declines within GMD1 have been significant, averaging 63% since pre-development. Since development began, the Aquifer has declined by 82 feet in Wallace County, 40 feet in Greeley County, 41 feet in Scott County, and 16 feet in Lane County. This translates to declines of 80, 68, 58, and 31 percent, respectively, across the four counties since development of the Aquifer began.

Mr. Wilson further testified that groundwater modeling for the years 1994 – 2013 show groundwater pumping within GMD1 to be 25 percent higher than the annual rate of total recharge entering the Aquifer system. He also stated that withdrawals exceed recharge at an even higher rate when irrigation return flows are removed from the analysis. Recharge from precipitation alone was 89 percent less than withdrawals from the Aquifer.

Mr. Wilson also stated that the relationship between groundwater pumping and the observed changes in groundwater levels within GMD1 is very strong. Data from 2010 – 2021 shows that, under normal conditions, an average reduction in groundwater use of 32 percent across GMD1 would be required in order to stabilize water levels in the near-term. Under drought conditions, the required reduction in use district-wide increases to 50 percent. In each of the four counties within the proposed LEMA boundary, the following reductions in groundwater use would be required to stabilize groundwater levels in the near term under normal conditions: 50 percent in Wallace County, 31 percent in Greeley County, 19 percent in Scott County, and 17 percent in Lane County. Under drought conditions, those numbers increase to 68 percent, 53 percent, 37 percent, and 46 percent, respectively. Mr.

Wilson concluded by testifying that groundwater levels within the proposed Four-County LEMA have declined significantly and continue to decline.

- b. Katie Durham; Manager, Western Kansas Groundwater Management District No. 1; Scott City, Kansas – Ms. Durham first testified that the conditions within the proposed Four-County LEMA meet the requirement of K.S.A. 82a-1041(b) that one or more of the circumstances specified in K.S.A. 82a-1036 be present within the boundary of a proposed LEMA. On this topic, Ms. Durham testified specifically that groundwater levels within the area in question are declining or have declined excessively and that groundwater withdrawals within the proposed LEMA boundary exceed the rate of groundwater recharge. In support of this testimony, Ms. Durham cited much of the same data provided by Mr. Wilson and also stated that the Aquifer's remaining thickness is at or near the minimum level required to support irrigation and other uses.

Ms. Durham further testified that the public interest requires the implementation of corrective controls in order to address conditions related to groundwater levels within the proposed LEMA. She testified that the proposed LEMA plan supports the public interest because the LEMA plan's goal—to limit irrigation withdrawals to 472,000 acre-feet over the next five years—will serve to extend the life of the Aquifer within the LEMA boundary, thereby supporting the economy of the area. Additionally, Ms. Durham testified that the proposed LEMA plan's corrective controls are narrowly tailored so as to prevent undue disruption to agricultural activities. Specifically, the proposed LEMA plan's allocations would only affect appropriation irrigation water rights—it would not affect vested rights or other types of use. Additionally, the plan's allocation method will impose reductions in water use on a sliding scale based on past water use and allows water conservation areas and multi-year flex accounts to be factored into allocation computations. Ms. Durham further testified that the proposed Four-County LEMA plan will serve the public interest because surveys have shown strong public support for a LEMA, and the development of the proposed LEMA has included significant public outreach and opportunities for public involvement.

Finally, Ms. Durham testified that the boundaries of the proposed Four-County LEMA are reasonable because the proposed LEMA would be located entirely within the boundary of GMD1 and would include the entirety of GMD1 other than Wichita County, which already has an existing LEMA. She testified that groundwater levels are declining throughout the entire area of the proposed LEMA and that the entire area is at risk of running out of water due to the depletion of the Aquifer.

3. The following individuals or entities provided oral testimony during the informal phase of the initial public hearing:
 - a. Shannon Kenyon; Manager, Northwest Kansas Groundwater Management District No. 4; Colby, Kansas – Ms. Kenyon provided oral testimony that largely reflected

her previously-submitted written testimony and expressed support for the proposed Four-County LEMA.

- b. Brad Pendergast; City Administrator; City of Scott City, Kansas – Mr. Pendergast’s oral testimony expressed strong support for the proposed Four-County LEMA and largely echoed the written testimony previously submitted by Mayor Green. Mr. Pendergast also stated that the City intends to be an active partner with GMD1 in addressing water resource issues going forward.
 - c. Alicia Allen; Chair, Upper Smoky Hill Regional Advisory Committee – Ms. Allen’s oral testimony expressed support for the proposed Four-County LEMA and largely echoed the written testimony that she previously submitted on behalf of the Upper Smoky Hill Regional Advisory Committee.
 - d. Representative Jim Minnix; Kansas House of Representatives, 118th District – Representative Minnix’s oral testimony highlighted the work he has done with the Water Committee in the Kansas House of Representatives and the review of water law and water issues that he has undertaken in conjunction with that work. Representative Minnix stated his belief that the tools provided by Kansas water law put the state in a much better position to address issues of water resource management than other Western states are in. Representative Minnix testified specifically that LEMAs are a great tool and that he strongly supports the proposed Four-County LEMA and applauds GMD1 for its work in developing the Four-County LEMA plan.
 - e. Mike York; Healy, Kansas – Mr. York requested to hear more information from Ms. Kenyon regarding GMD4’s experience with the LEMAs GMD4 has implemented.
 - i. In response to Mr. York’s inquiry, Ms. Kenyon provided that GMD4’s Sheridan 6 LEMA has so far achieved a 33 percent reduction in water use from historical averages, which has exceeded that LEMA’s original water savings goal. Ms. Kenyon stated that the corrective controls imposed by the Sheridan 6 LEMA have nearly doubled the life of the Aquifer within the LEMA boundaries. Ms. Kenyon also discussed a study conducted by Dr. Bill Golden with Kansas State University, which found that farms within the Sheridan 6 LEMA were more profitable than those outside the LEMA boundary.
4. The following individuals or entities provided written testimony following the initial public hearing but before the record of that hearing was closed on October 27, 2022:
- a. John Huslig submitted additional comments suggesting that the proposed LEMA incorporate language stating that water rights still in their perfection period will not be restricted by the LEMA, stating that the LEMA’s allocation calculation methods should utilize historical water use rather than authorized acres, and suggesting that

the proposed LEMA be revised in order to differentiate among areas of the GMD that have experienced significant groundwater declines vs. those that have not.

- b. GMD1 submitted supplemental written testimony, primarily in response to Mr. Huslig's testimony, emphasizing GMD1's belief that the proposed LEMA boundary is reasonable and the need for the LEMA's boundary to be approved as proposed. First, GMD1 pointed out that including the entirety of GMD1 other than Wichita County in the proposed LEMA is supported by language in the Groundwater Management District Act that states that lands within a groundwater management district are to comprise "a hydrologic community of interest," which bolsters the conclusion that the entire Aquifer system within the proposed LEMA boundary is connected and requires the implementation of collective conservation efforts. GMD1's supplemental testimony also states that all of the four counties within the proposed LEMA are in need of water conservation in order to support the collective goal of the proposed LEMA.

GMD1's supplemental testimony also addressed the contention that some areas of the proposed LEMA have not experienced significant groundwater level declines, stating that this is due primarily to the fact that some areas near the GMD1 boundary have always had limited saturated thickness and were therefore never developed and that other areas that were developed have not experienced recent declines because groundwater pumping has already been reduced significantly by necessity due to excessive declines experienced in the past. Overall, GMD1's supplemental testimony asserts that areas of GMD1 that are not experiencing groundwater level declines are few and far between and that these areas should remain included in the proposed Four-County LEMA. Finally, GMD1 asserts that carving out defined areas for exclusion from the LEMA would create unnecessary administrative complexity and would undermine the overall conservation efforts of the GMD1 board, which are supported by the public.

Discussion

1. With regard to Mr. Huslig's comment suggesting that appropriation rights which are still within their perfection periods should not be subject to water use restrictions under the LEMA, the Chief Engineer will seriously consider and resolve this concern during the next phase of the proceedings. Pursuant to K.S.A. 82a-1041 and as set forth in this Order, the Chief Engineer shall conduct a second public hearing, after which the Chief Engineer will approve or reject the proposed LEMA plan or return it to the GMD1 for revisions or modifications, as long as the modifications do not impose reductions in groundwater withdrawals greater than those proposed in the original LEMA plan.
2. Mr. Huslig's comments further assert that the boundaries of the LEMA should encompass only the areas of GMD1 with the greatest water level declines. There was no testimony suggesting that water tables have not declined or are not declining excessively in the area of Mr. Huslig's permits to appropriate water within Scott County. The credible and relevant data provided by the KGS and used to develop this LEMA proposal corroborates GMD1's

assertion that water levels are declining or have declined excessively throughout GMD1 and that withdrawals equal or exceed the rate of recharge throughout the entire proposed Four-County LEMA and that it is therefore reasonable that the entirety of GMD1 other than Wichita County be included in the Four-County LEMA.

Findings of Fact

1. Groundwater levels within the Proposed Four-County LEMA are declining or have declined excessively and will continue to decline under the current levels of water use. Declines within GMD1 have averaged approximately 63 percent since pre-development, and declines have been significant within each of the four counties proposed to be included within the LEMA (*Oral Testimony of Brownie Wilson*). Within the Proposed Four-County LEMA boundary, the aquifer is at or near the minimum thickness levels of saturation required to support irrigation or other uses. (*Oral Testimony of Katie Durham*).
2. The rate of withdrawal of groundwater within the proposed Four-County LEMA boundary substantially exceeds the rate of recharge. For the years 1994 – 2013, groundwater pumping within GMD1 has been 25 percent higher than the annual rate of total recharge entering the Aquifer system. Withdrawals exceed recharge at an even higher rate when irrigation return flows are removed from the analysis. For example, recharge resulting from precipitation was 89 percent less than withdrawals from the Aquifer. (*Oral Testimony of Brownie Wilson*).
3. The Kansas Geological Survey has found that substantial reductions from past average water use would be required in order to achieve stabilized water levels within the proposed Four-County LEMA for the next decade or two. (*Oral Testimony of Brownie Wilson*).
4. It is in the public interest to extend the life and health of the aquifer, and corrective controls are necessary to address the depletion of the groundwater levels within the proposed Four-County LEMA. Irrigation accounts for the vast majority of the Aquifer's use in the Four-County area, and the proposed LEMA is narrowly tailored and proposes corrective controls to address the use of the aquifer while minimizing disruption to the agricultural activities. (*Oral Testimony of Brownie Wilson; Oral Testimony of Katie Durham*).
5. There appears to be significant public support for corrective controls in the Four-County area, as a previously-conducted survey showed support for a LEMA implementing reductions of 10-15 percent. (*Oral Testimony of Katie Durham*).
6. There were opportunities for public involvement in the Four-County LEMA process, and the public has supported the Four-County LEMA. GMD1 provided the public with notice of public meetings and time to comment on a proposed Four-County LEMA via website and newsletters; stakeholders worked with GMD1, participated in public meetings, and provided input that resulted in revisions to earlier iterations of the proposed Four-County LEMA. (*Written Testimony of Mike Meyer; Oral Testimony of Katie Durham*).

7. The proposed boundaries of the Four-County LEMA are fully located within the boundaries of GMD1. The four counties themselves are political subdivisions with recognized boundaries and communities of interest therein, all four counties have experienced excessive declines in groundwater levels and are in need of corrective controls, and there is significant public support for such corrective controls. (*See generally, Oral Testimony of Brownie Wilson; Oral Testimony of Katie Durham*).

Conclusions of Law

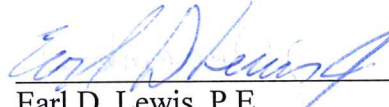
1. Pursuant to K.S.A. 82a-1041(b)(1), groundwater levels underlying the proposed Four-County LEMA are declining or have declined excessively and the rate of withdrawal exceeds the rate of recharge in the area.
2. The public interest requires adoption of corrective control provisions to extend the life of the High Plains Aquifer within the proposed Four-County LEMA while maintaining much of the benefit of irrigation and other uses in the area, thus fulfilling the public interest purpose of creating special districts for the proper management of the groundwater resources of the state, including the conservation of groundwater resources and prevention of economic deterioration due to declining groundwater resources.
3. The geographic boundaries submitted to the Chief Engineer in GMD1's formal request for the establishment of the Four-County LEMA are deemed to be reasonable.

Order

COMES NOW the Chief Engineer, who, based upon substantial competent evidence, as provided by the testimony offered at, or in relation to, the initial public hearing regarding the proposed designation of the Western Kansas Groundwater Management District No. 1 Four-County LEMA, finds that one or more of the circumstances specified in K.S.A. 82a-1036(a) through (d), and amendments thereto, exist within the boundary of the proposed LEMA; the public interest as stated in K.S.A. 82a-1020, and amendments thereto, requires that one or more corrective control provisions be adopted to address those conditions; and that the geographic boundaries of the proposed Four-County LEMA are reasonable, pursuant to K.S.A. 82a-1041.

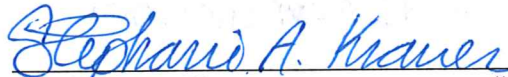
THEREFORE, the proposed Four-County Local Enhanced Management Area satisfies the three initial requirements necessary to continue the proceedings to designate a local enhanced management area pursuant to K.S.A. 82a-1041, and the Chief Engineer shall, as required by law, conduct a second public hearing to consider the designation of the Four-County LEMA. Such second hearing shall take place at a future time that allows adequate notice to be given as required by K.S.A. 82a-1041.

IT IS SO ORDERED, THIS 21st DAY OF December 2022.



Earl D. Lewis, P.E.
Chief Engineer, Division of Water Resources
Kansas Department of Agriculture

Prepared by:



Stephanie A. Kramer #27635
Staff Attorney
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, Kansas 66502
Phone: (785) 564-6715
Fax: (785) 564-6777
stephanie.kramer@ks.gov

Exhibits:

Exhibit A: “GMD1’s Formal Request for the Establishment of the Four-County LEMA” dated July 1, 2022, and accompanying proposed Four-County LEMA Management Plan.

Exhibit B: “Chief Engineer Finds the Proposal Acceptable for Consideration” dated August 4, 2022.



CERTIFICATE OF SERVICE

On this 21st day of December 2022, I hereby certify that a true and accurate copy of the foregoing Order was sent by electronic mail to:

Chris Beightel
Kansas Department of Agriculture,
Division of Water Resources
1320 Research Park Drive
Manhattan, Kansas 66502
chris.beightel@ks.gov

Katie Durham, Manager
Western Kansas GMD1
906 W. 5th
P.O. Box 604
Scott City, KS 67871
gmd1@wbsnet.org

Mike Meyer, Water Commissioner
Kansas Department of Agriculture,
Division of Water Resources – Garden City Field Office
4532 W. Jones Avenue, Suite B
Garden City, Kansas 67846
mike.meyer@ks.gov

Lane Letourneau
Kansas Department of Agriculture,
Division of Water Resources
1320 Research Park Drive
Manhattan, Kansas 66502
lane.letourneau@ks.gov

David Engelhaupt
Kansas Department of Agriculture,
Division of Water Resources
1320 Research Park Drive
Manhattan, Kansas 66502
david.engelhaupt@ks.gov

Elizabeth Hickman
Kansas Department of Agriculture,
Division of Water Resources
1320 Research Park Drive
Manhattan, Kansas 66502
elizabeth.hickman@ks.gov

Thomas A. Adrian, Attorney for GMD1
ADRIAN & PANKRATZ, PA
301 N. Main Street, Suite 400
Newton, Kansas 67114
tom@aplawpa.com



DWR Staff



WESTERN KANSAS GROUNDWATER MANAGEMENT DISTRICT NO.1

July 1st, 2022

Earl Lewis, Chief Engineer
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502

Mr. Lewis,

On behalf of the Western Kansas Groundwater Management District No. 1 Board of Directors, I am pleased to formally submit a request for the GMD1 Four County LEMA for Wallace, Greeley, Scott & Lane County. On June 29th, 2022, the WKGMD1 Board of Directors voted unanimously to submit the request.

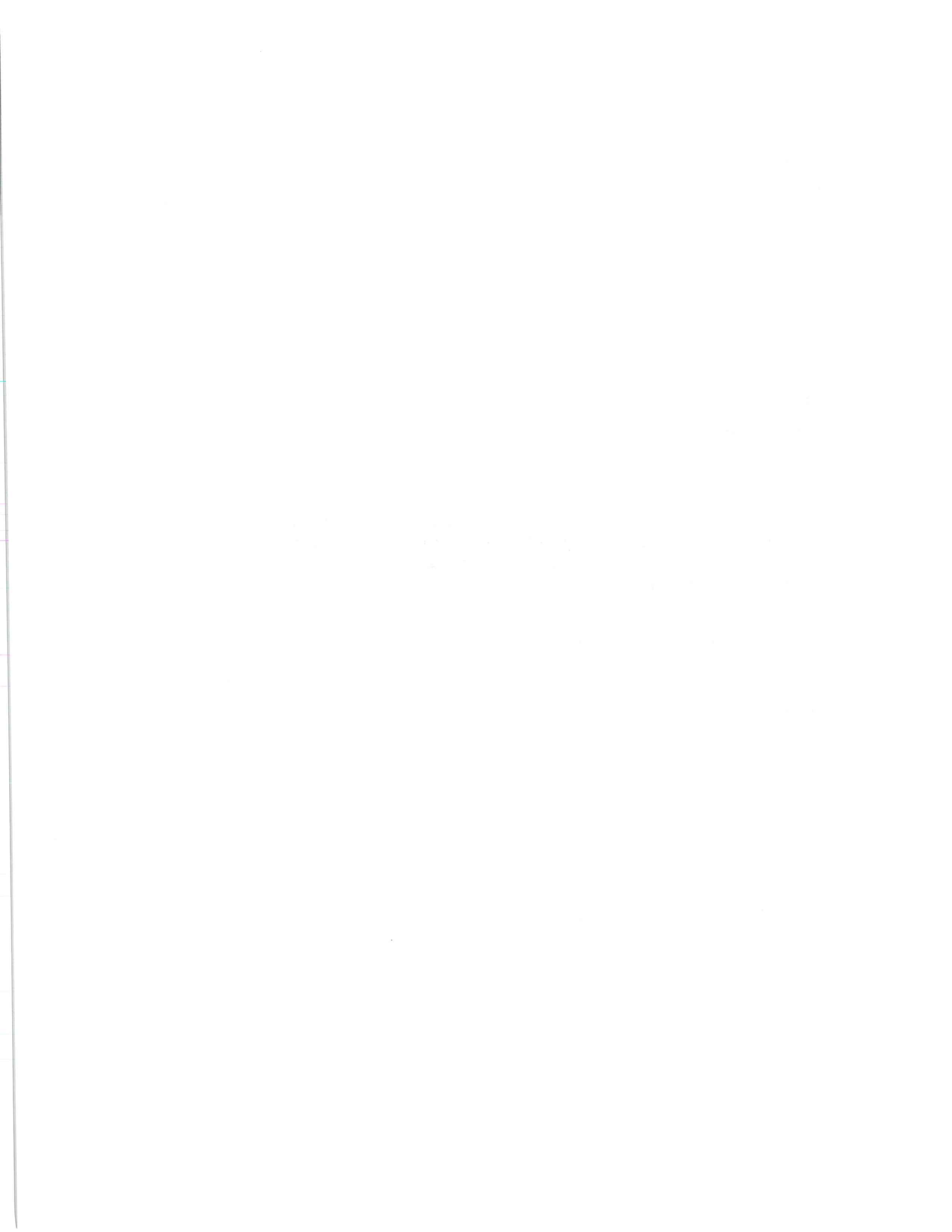
The request includes two pdf files, one file containing the proposed LEMA plan and a second with the Appendixes for Attachment D. Additionally, letters of support are also being submitted.

Please let us know if any additional information is needed, or if we can help in any way.

Thank you.

Sincerely,

Katie Durham
Manager
Western Kansas Groundwater Management District #1



Proposed Four County LEMA Western Kansas Groundwater Management District #1

Wallace, Greeley, Scott & Lane Counties

June 29th, 2022

Executive Summary

Background: This executive summary provides a concise summary of the key provisions of this proposed Four County Local Enhanced Management Area (LEMA). For full details, see the rest of the plan.

LEMA Development Process / Public Involvement – GMD1 is currently the most de-watered Groundwater Management District (GMD) in the State of Kansas. As a result of significant, on-going groundwater level declines within the entire District, the GMD Board of Directors first began exploring a District-wide LEMA in 2013. The Board also discussed a District-wide LEMA in 2018-2019. In 2019, the Board decided to first move forward with the Wichita County LEMA, in order to gain some experience with the LEMA process and implementation.

The Board's current work of developing this proposed LEMA Plan for the remaining four counties of the District began in November of 2020. The LEMA development work has been discussed at most of the Board's monthly meetings since that time, as well as multiple special meetings. Details of the Board's LEMA development has been shared at the 2021 and 2022 annual meetings, three public county meetings in May 2022 and more (See Attachment D).

Proposed LEMA purpose: The GMD1 Board is proposing this Four County LEMA under the authority granted it under K.S.A. 82a-1041 to fulfill its legislative purpose related to the conservation of groundwater resources and the prevention of economic deterioration of the District, by limiting use in order to extend the useful life of the local aquifer.

The water resource concerns being addressed in this Proposed LEMA are that groundwater levels in the area in question are declining or have declined excessively, and that the rate of withdrawal of groundwater within the area in question equals or exceeds the rate of recharge in such area (K.S.A. 82a-1036 (a) and (b)). These concerns are substantiated by the maps prepared by the Kansas Geological Survey, attached to this Plan, which clearly demonstrate that groundwater levels have declined excessively within the District and that even at recent pumping levels, that groundwater withdrawals continue to exceed recharge.

Therefore, it is essential for the public interest to reduce water use in a way that best balances current use and future use. The GMD 1 Board believes the proposed LEMA, with its goal and proposed corrective controls, is the best means to accomplish this urgent objective.

Proposed LEMA Goal: The specific goal of the LEMA is to limit irrigation pumping of non-vested (Appropriated) rights within the LEMA boundaries, for the five-year period of 2023 to 2027, to 472,000 AF, which would accomplish a reduction in excess of 10% in use from the 2011-2020 average use of these water rights. Justification that the LEMA can reasonably be expected to achieve this goal can be found in **Attachment C**. While this level of reduction is not sufficient to stabilize water levels, according

to the work of the Kansas Geological Survey (KGS), this goal would represent substantial progress toward prolonging the life of the aquifer.

Proposed LEMA Boundaries: The Proposed LEMA would cover the remainder of the boundaries of GMD1, not covered by the Wichita County LEMA established in 2021. Said another way, the LEMA boundaries are those portions of Greeley, Lane, Scott, and Wallace Counties, within the existing GMD 1 boundary. **See Attachment B.**

Proposed LEMA period: The Board is proposing a LEMA period running from January 1, 2023, to December 31, 2027. If the Board takes no further action, the LEMA and its restrictions will expire at the end of 2027. The LEMA Plan will include annual reviews and a process toward the end of the LEMA period to determine whether the LEMA should be renewed on the same or different terms. To continue past 2027, the GMD Board must go through another set of LEMA hearings.

Proposed LEMA Allocation Method: To accomplish its purpose to best meet current and future needs as well as the specific reduction goal noted above, the Board reviewed numerous options for allocating water use under the LEMA, to accomplish its goal of reducing water use in excess of 10%. The proposed allocation method will achieve greater reductions in area of greater use.

The chosen allocation method starts with 2011-2020 average use for each Water Right Group (Water Right Groups are composed of all legally overlapped water rights by point of diversion, place of use, or both), a required reduction ranging between 0 and 25% is then applied based on a sliding scale, with larger reductions for larger water use, and lesser reductions for smaller water use. The required reductions are determined based on the average inches applied from 2011-2020 on authorized acres for the Water Right Group. Years of no Group use are excluded from averaging. When less than 3 inches per authorized acres was applied in 2011-2020, no reduction is required; when more than 12 inches per authorized acres were applied, a 25% reduction is required from historic use; in between 3 and 12 inches, the required reduction is based on a sliding scale between these values.

Draft allocation reports were made available to every stakeholder and water use correspondent (WUC) who attended the 2022 annual meeting, the May 2022 public county outreach meetings, and all who requested their allocation based on the Board's public outreach initiative. Attached to this report is a summary of the allocations by Water Right Group (before appeals) under the proposed LEMA allocation method.

Proposed LEMA flexibilities: Allocations are provided as an aggregate of 5-year allocations to Water Right Groups. Thus, as long as individual water right annual authorized quantities and other conditions are met, water users are free to use these 5-year allocations to their best advantage.

In addition, this LEMA Plan is designed to work with other water management and flexibility tools such as Water Conservation Areas (WCA), multi-year flex accounts (MYFAs), multi-use permits, and conditioned water rights that have existing 5-year allocations as a result of place of use expansions approved under K.A.R. 5-5-11, while preserving the flexibilities provided therein as long as the LEMA allocations are not exceeded.

Vested Rights and Groups with Vested Rights: A Vested Right is a water right which was put to beneficial use prior to June 28, 1945. Under Kansas law, they are afforded additional protection from regulation by the Chief Engineer. Thus, they will not be regulated by the proposed LEMA. Water users with vested rights are only required to operate according to the terms of their existing orders.

Where a Water Right Group has both vested rights and appropriation rights, the appropriation right(s) of the group will be provided an allocation based on the reduction computed for the Water Right Group and the vested rights of the group will be able to operate without additional restrictions.

Non-irrigation use: Like other existing LEMAs, non-irrigation uses, which make up a small percentage of the District's use, will not be regulated by the LEMA. The proposed LEMA will encourage these users to conserve water with specific suggestions for each use made of water. In addition, the Board will annually review non-irrigation use.

Proposed LEMA appeal procedure: State law requires that LEMAs must "give due consideration to past voluntary conservation" resulting in reduced use. After careful consideration, the Board has developed a definition of voluntary conservation to guide this required consideration, as well as to special provisions for new stakeholders and more.

The Board has drafted robust, specific and yet flexible guidance and methods in 4 broad categories in the GMD1 FCL Memorandum of Appeals Methods (**See Attachment F**). In the Base Method of the memorandum, that will be applicable to most situations, stakeholders will provide evidence of years of past conservation, which will be removed from the Historical Usage as a basis of determining allocations. For new owner/operator, there are two Methods that generally use the new owner/operator's records as the basis of allocations and that make provisions when there are insufficient years to base allocations. Finally, the Board has outlined provisions for situations where the 2011-2020 record has no water use for the water right group. The LEMA appeal process will also allow the Board the ability to consider unique situations on a case-by-case basis. There will be no deadline for filing appeals.

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Definitions

"Annual Authorized Quantity or AAQ" – The maximum amount of annual water use assigned to a Water Right by DWR when the Water Right was approved or certified, and as modified by any subsequently approved changes, terms or conditions.

"Authorized Acres" – The maximum acres which are allowed to be irrigated by a Water Right Group as determined by DWR. In the case of approved changes in place of use for rotation of acres allowed under K.A.R. 5-5-11, the Authorized Acres will be the Base Acres determined by DWR.

"Appropriation Water Rights" – Pursuant to K.S.A. 82a -701(f), Water Rights that do not meet the conditions to be a Vested Water Right.

"Board" – The GMD1 Board of Directors.

"Chief Engineer" – The Chief Engineer of the Division of Water Resources, Kansas Department of Agriculture.

"District" – Western Kansas Groundwater Management District No. 1.

"Domestic Water Rights" – Shall mean the same as KSA82a-701 (c).

"DWR" – Division of Water Resources, Kansas Department of Agriculture.

"FCL" – Four County Local Enhanced Management Area.

"FCL Allocation" – The quantity of water in acre-feet allowed for irrigation use under Water Appropriation Rights of a Water Group over the 5-year LEMA Period.

"FCL Order of Designation" – The Order of Designation

"GMD1" – Western Kansas Groundwater Management District No. 1.

"Historical Usage" – The average quantity of authorized water in acre-feet used by a Water Right Group from 2011 through 2020, excluding years of zero use by the Water Right Group, used for the calculation of the FCL Allocation.

"K.A.R." – Kansas Administrative Regulations.

"KGS" – Kansas Geological Survey.

"K.S.A." – Kansas Statutes Annotated.

"LEMA" – Local Enhanced Management Area.

"LEMA Period" – The five-year period from January 1, 2023, through December 31, 2027

"LEMA Management Plan" – This written plan required pursuant to K.S.A. 82a-1041 which serves as the basis of the order establishing this LEMA to promote the conservation of water and water use efficiency.

"MYFA or Multi-Year Flex Account" – A type of Term Permit as defined in K.S.A.82a-736.

"Stakeholder" – Any Water Right owner or legal representative of an owner within the FCL boundaries.

"Term Permit" – A DWR permit to appropriate water that is issued for a specified period of time and is automatically dismissed at the end of the period.

"Vested Water Right" – Pursuant to K.S.A. 82a -701(d), a Water Right which was put to beneficial use prior to June 28, 1945.

"Water Rights"– As Defined in K.S.A. 82a-701(g).

"WCA" – Water Conservation Area.

"Water Right Group" – Composed of all legally overlapping water rights by point of diversion, place of use or both.

"WUC" – Water Use Correspondent.

Proposed Four County LEMA
Within Western Kansas Groundwater Management District No.1

Request for a Four County LEMA encompassing Wallace, Greeley, Scott and Lane Counties within the established boundaries of the Western Kansas Groundwater Management District No. 1, Submitted to the Chief Engineer, Kansas Department of Agriculture, Division of Water Resources.

I. LEMA Management Plan Purpose and Goals

LEMA Purpose: The GMD1 Board of Directors has identified the need to reduce groundwater use within the District in order to prolong the life of the Ogallala Aquifer that lies within the District's boundary, thus fulfilling its legislative purpose related to the conservation of groundwater resources and the prevention of economic deterioration of the District. The Board has worked to engage the public through outreach and communicative mailers, presentations at its annual meeting, and public meetings in Wallace, Scott and Lane Counties.

The Board proposes the following five-year Local Enhanced Management Area (LEMA) Plan for the portions of Greeley, Lane, Scott and Wallace counties within the District under the authority granted it under K.S.A. 82a-1041. The five-year period will begin on January 1st, 2023 and will end on December 31st, 2027.

The water resource concerns being addressed by the proposed LEMA are that groundwater levels in the area in question are declining or have declined excessively and that the rate of withdrawal of groundwater within the area in question equals or exceeds the rate of recharge in such area (K.S.A. 82a-1036 (a) and (b).

These concerns are substantiated by the maps prepared by the Kansas Geological Survey (KGS), attached to this plan in Attachment E Including:

- The change in saturated thickness, predevelopment to current, in feet.
- The change in saturated thickness, predevelopment to current, in percent of the predevelopment saturated thickness.
- The change in saturated thickness, last 10 years.

The first two maps show that groundwater levels have declined excessively. The third map shows that these declines continue, and even at recent pumping levels, that groundwater withdrawals continue to exceed recharge.

Therefore, it is essential for public interest to reduce water use, in a way that best balances current use and future use. The Board believes a LEMA is the best means to accomplish this urgent goal.

Proposed LEMA Goal: The specific goal of the Four County LEMA is to limit irrigation use of non-vested rights within the LEMA boundaries for the five-year period of 2023 to 2027, to 472,000 acre-feet, which would accomplish a reduction in excess of 10% from the 2011-2020 Historical Usage of these water rights. This goal was developed after careful study of reduced water use needed to address

declining water levels, and to balance meeting today's needs while taking a serious step to extend and prolong the life of the aquifer.

The KGS estimates required reductions in water use to stabilize groundwater levels range from 16% in Lane County to 46% in Wallace County, averaging 29% for the District. Ultimately the Board decided the LEMA's goal should reduce use by approximately 10% from the 2011-2020 average Historical usage. While this level of reduction is not sufficient to fully stabilize water levels, according to the work of the KGS, this goal would represent substantial progress toward that end.

Substantiation that the LEMA's proposed corrective controls can reasonably be expected to achieve this goal is provided in **Attachment C**.

II. LEMA Proposal

Boundary and its Determination - The FCL shall include all lands within the District's boundary within Lane, Scott, Greeley and Wallace counties. When joined with the Wichita County LEMA, this results in the entire District being covered by a LEMA plan. This LEMA includes all of the District's geographic boundary (**See Attachment B**).

LEMA Attributes

- a. The Four County LEMA (FCL) shall include all irrigation Appropriation Rights whose source is the Ogallala Aquifer within the LEMA Boundary.
- b. Pursuant to K.S.A 82a-703, Vested Water Rights within the Four County LEMA shall not be regulated by the LEMA (see provisions below related to Water Right Groups composed of both Vested and Appropriation Rights).
- c. FCL allocations were established for each Water Right Group through an impartial process without deference to water right priority; however, water right priority is a consideration, if an impairment complaint is filed with the Chief Engineer.
- d. Non-irrigation uses such as stock water and municipal water users will not be assigned an allocation due to their total combined water use amounting to a minimal percentage of the total water use within the proposed LEMA boundaries. However, efficiency recommendations are provided for utilization in their management practices.
- e. All FCL allocations were developed pursuant to the method explained under the FCL Allocation section below and in Attachment C and shall be expressed in terms of total acre-feet (AF) for the LEMA Period and such quantity will be provided to each Water Right Groups, composed of all legally overlapped water rights, by point of diversion, place of use, or both.
- f. Recognizing the current Board cannot constrain the future action of the Board in recommending the LEMA be continued, it is the sense of the current Board that carryover of unused allocations from this 5-year LEMA Plan should be allowed.
- g. While allocations are provided by Water Right Group and as a 5-year group allocation, no individual water right can exceed its Annual Authorized Quantity (AAQ) in any calendar year unless already allowed under a MYFA or term permit.
- h. FCL Allocations are shown in **Attachment A** by Water Right Groups, which includes a listing of water rights and points of diversions within those Groups. Detailed allocation reports by Water Right Groups have been made available at recent public meeting and are available upon request.

- i. FCL Allocations for water rights subject to a DWR penalty order effecting permitted withdrawals from 2011 through the LEMA Period will be adjusted accordingly by DWR, and such order may not be appealed within the FCL Appeal Process.
- j. Applications to change a water right filed with DWR will be processed under existing laws, rules and regulations; and should be reviewed for consistency with the goals of the FCL during the LEMA Period.
- k. Water rights will not be permanently altered by a FCL Order of Designation but will be subject to the terms and conditions of the FCL Order of Designation for the duration of the LEMA period.

Flexibilities - Allocations are provided as 5-year group allocations to Water Right Groups. Thus, as long as individual water right annual authorized quantities and other conditions are met, stakeholders are free to use these 5-year allocations to their best advantage.

In addition, this FCL is designed to work with other water management and flexibility tools including Water Conservation Areas (WCA), multi-year flex accounts (MYFAs), multi-use permits, and conditioned water rights that have existing 5-year allocations as a result of place of use expansions approved under K.A.R. 5-5-11, while preserving the flexibilities provided therein as long as the LEMA allocations are not exceeded.

III. LEMA Allocations

FCL Allocations shall be assigned to each Water Right Group and shall apply to all irrigation Appropriation Water Rights (with Vested Rights being unregulated by the LEMA; only required to comply with the terms of their water rights), subject to Section II. No Water Right shall be allowed to exceed its AAQ unless authorized by a Term Permit. FCL Allocations for each Water Right Group will be included in an official Order of Designation issued by the Chief Engineer. Upon approval of the FCL, FCL Allocations are subject to appeal pursuant to Section IX. FCL Allocations will be established based on the following:

a. Irrigation Appropriation Rights

FCL Allocations are provided by Water Right Groups. DWR determined these groups and provided the Board with water use by water right file number and point of diversion within such Water Right Groups.

The allocation method starts with the determination of 2011-2020 average use for each Water Right Group. To determine the 2011-2020 historical usage for a Water Right Group, years of non-use for the Water Right Group were excluded from averaging.

The allocation method then applies a required reduction to this average use, ranging between 0 and 25% based on a sliding scale, with larger reductions for larger water use and lesser reductions for smaller water use.

The required reductions from this 2011-2020 historical usage are determined based on the average inches applied during 2011-2020 on authorized acres for the Water Right Group. When less than 3 inches per authorized acres was applied in 2011-2020, no reduction in water use is required; when more than 12 inches per authorized acres were applied, a maximum 25% reduction is required from historic usage; in between 3 and 12 inches, the required reduction in water use is based on a sliding scale between these values.

Due consideration will be given for past conservation via the LEMA Plans Appeal process. If water rights are enrolled or have been enrolled in conservation programs, have implemented past conservation measures affecting their Historical Usage record, review of the FCL Allocation will follow the guidelines set forth in Section XI and as presented in the FCL Appeals Memo.

Multi-Use Groups: For water rights which allow for irrigation and other uses (typically stock water) under a single well under a water right, FCL allocations for only the irrigation use have been established based on irrigation Historic Usage and the allocation methods provided herein. No LEMA restrictions on non-irrigation use are provided under the FCL. Stakeholders are required to: 1) limit Water Right Group irrigation use to the 5-year FCL Allocation provided and 2) to limit their annual use for all uses made of water under the multi-use water right to its AAQ.

Multi-year Flex Accounts (MYFAs): Stakeholders with MYFAs may continue to use the flexibilities provided under these permits, provided: 1) they maintain their 5-year account allocation use for such water rights operating within the MYFA's period and 2) they comply with their 5-year FCL Allocation. Stakeholders may apply with the DWR for MYFAs at any time during the LEMA Period.

Water Conservation Areas (WCAs): Stakeholders with WCAs may continue to use the flexibilities provided under their consent agreements, provided: 1) they maintain their corrective controls under the WCAs during the WCA period, and 2) they comply with their 5-year FCL Allocation.

Water right conditions required under K.A.R. 5-5-11 (place of use rotations/expanded place of use with 5-year allocations with GMD1 monitoring) – Stakeholders with water right conditions, such as annual irrigated acre limits or existing 5-year allocations from an approved place of use expansions shall preserve the flexibilities provided therein provided the 5-year FCL Allocations are not exceeded

b. Vested Water Rights and Groups with Vested and Appropriation Rights

Pursuant to K.S.A. 82a-703, Vested Water Rights shall not be subjected to the LEMA Management Plan.

For Water Right Groups with a combination of Vested Rights and Appropriation Rights, Stakeholders may operate the vested rights pursuant to the Chief Engineer's order establishing the rights including any approved water right changes, and the Appropriation Rights of the Water Right Group are granted an allocation consistent with the allocations provided.

c. Non-Irrigation Uses

The FCL will not regulate water use for non-irrigation rights. However, the annual water use reports of all non-irrigation water rights will be reviewed annually by the Board. Additionally, each type of use is encouraged to implement the following recommendations:

1. Stock Water Rights

A. Increase efficiency by implementing scheduled infrastructure inspections, repairing leaks in a timely manner, upgrading old equipment, and applying water reuse technology.

B. Use less than the recommended maximum water authorized by K.A.R. 5-3-22.

2. Municipal Water Rights

- A. Reduce the gallons per capita per day.
- B. Implement scheduled infrastructure inspections, conduct system repairs in a timely manner, implement systems to account for all water usage.
- C. Consider implementing water reuse technology for precipitation runoff and effluent.
- D. Require all new and remodel construction projects to use water efficient plumbing fixtures and recommend that all consumers meet the new standard by updating their existing fixtures.
- E. Request all consumers, especially administrators of large capacity facilities and outdoor sport and recreation areas, maintain infrastructures and repair leaks in a timely manner.
- F. Request all consumers use less water intensive plants and lawns, water in the early morning and late evening, and be aware of the amount of water applied per year.

3. Industrial and Recreational Water Rights are asked to voluntarily conserve water whenever possible for the betterment of their water community.

4. Domestic Water Rights

- A. Reduce their gallons per capita per day.
- B. Install water efficient plumbing fixtures in new and remodel construction and update their existing fixtures.
- C. Identify and repair leaks.

IV. Violations

The FCL Order of Designation shall serve as initial notice to all Stakeholders within the LEMA boundary on its effective date. A copy of the Order of Designation and the LEMA Management Plan shall be available on DWR's website and GMD1's website. DWR shall mail a notification that the Order of Designation is effective to all stakeholders and WUCs, if different from the Stakeholder, with instructions on how to request a copy of the Order of Designation. Violations shall be addressed as follows: Exceeding the FCL Allocation, and all other water right violations shall be subject to applicable Kansas statutes and regulations, specifically but not limited to K.A.R. 5-14-10 and K.A.R. 5-14-12.

V. Metering and Water use Monitoring

- a. All stakeholders shall be responsible for ensuring their water flowmeters are in compliance with state statutes and regulations prior to the diversion of water at each point of diversion.
- b. In addition to being in compliance with DWR requirements and reporting annually the quantity of water diverted from each point of diversion, all Stakeholders are encouraged to implement at least one additional water flowmeter monitoring procedure.

- c. Water flowmeter readings should be taken by the Stakeholder every two weeks during periods of active use and be kept as backup information.
- d. Should the reported water flowmeter readings be in question and determined insufficient and no other records are provided upon request of GMD1, the point of diversion shall be assumed to have diverted its full AAQ for the period in question.
- e. Whenever a water flowmeter is repaired or replaced, the stakeholder or authorized designee or WUC shall submit Water Flowmeter Repair/Replacement Report (Form DWR 1-560) to GMD1 or DWR within seven days of the completed repair.
- f. This water flowmeter protocol shall be a specific annual review issue and if discovered to be ineffective, specific adjustments shall be recommended to the Chief Engineer by GMD1.

VI. Accounting

- a. DWR, in cooperation with GMD1, shall keep records of the annual diversion of water amounts for each Water Right Group within the FCL boundary and the FCL Allocation balances. Upon written request, this information will be available to the Stakeholder or GMD1.
- b. GMD1 and DWR shall cooperate on reconciliation and correction of any annual water use report found to be in error.

VII. LEMA Reviews

- a. The Board, a member of DWR staff appointed by the Chief Engineer, and any other(s) appointed by the Board, shall comprise the "Review Board" and shall conduct an annual review of the items in subsection (b). The review data shall also be presented at the Annual Meeting of GMD1.

b. Annual Review Items

- 1. Water use data.
- 2. Water table/water level change information.
- 3. Economic data as is available.
- 4. Compliance and enforcement issues.
- 5. Any new and preferable enhanced management authorities that become available.
- 6. Other items deemed pertinent by the Review Board.

c. FCL Order of Designation Review

In addition to the annual review of the FCL, the Review Board shall conduct a more formal review of FCL Order of Designation in the fourth year of the LEMA Period. The review will encompass the annual

review items with a focus on the economic impacts, as data is available, to the FCL area and the local public interest while pursuing the LEMA goals.

The Review Board shall produce a report to the Board following this review that contains specific recommendations regarding future FCL actions. This report shall be presented at Stakeholder meetings for the purpose of considering any future LEMA plans. All recommendations shall be supported by reports, data, testimonials, affidavits or other information of record.

VIII. Impairment Complaints

The Stakeholders request that any impairment complaint submitted to the Chief Engineer during the LEMA Period be investigated with consideration to water right priority and the LEMA Management Plan.

IX. Water Level Monitoring

Prior to this FCL proposal there were ninety-six recognized observation wells, four with continuous water level sensors and three continuously monitored index wells, all within or near the FCL area that have been measured annually by either DWR or KGS personnel. For each of these observation wells, there is a long history of annual water level measurements. Groundwater pumping influences and recovery trends can be analyzed to evaluate results of the corrective controls implemented by this LEMA Management Plan.

X. Coordination

The Stakeholders expect reasonable coordination between DWR and GMD1 on at least the following efforts:

- a. Development of the FCL Order of Designation resulting from the LEMA process.
- b. Compliance and enforcement of the FCL Order of Designation.
- c. Annual accounting of the FCL Allocations used and available balance to Stakeholders and WUCs if different from the owner.
- d. Continued public outreach and communication with stakeholders and interested parties

XI. Allocation Appeal Process / Due Consideration of Past Conservation

- a. The following process will govern appeals for the possible modification of FCL Allocations.
 1. A Stakeholder will file an appeal with the Board following the guidelines outlined in the Appeal Methods Memorandum and using the form developed by the Board for this purpose (**See Attachment F**). The request shall specify the Water Right Group, water right number(s) and point(s) of diversion and provide supporting material and justification, and the basis for the chosen appeal method. Appeals may be based on any of the reasons outlined in the Appeals Memo (**See Attachment F**). The Board will serve as the appeals board and will make the final decision per their discretion. The Board may delegate the approval of certain types of appeals to its Manager upon development of specific written guidance for the conditions and terms under

which such appeals may be approved by the Manager. The Manager shall provide a report to the Board on such approvals at each Board meeting.

b. Stakeholders may submit an appeal consisting of a written request and supporting data at any time during the LEMA Period. New FCL Allocations authorized by the Board will become effective the calendar year the District Manager accepts a completed application to be brought before the Board. Ownership/operational details will also be requested as a part of this written request.

c. Appeals based on previous voluntary conservation measures must be accompanied by complete supporting documentation deemed acceptable and complete by the District Manager, before the appeal will be scheduled for consideration by the Board. Information that will be required includes:

1. For water rights enrolled in government sponsored conservation programs, documentation must include an approved enrollment contract indicating the years of participation.

2. Any other documentation supporting past voluntary conservation that may have influenced the water use record from 2011-2020.

d. The Board will review the completed information at the first available regularly scheduled Board meeting in due process or special meeting scheduled for the purpose of appeal reviews. The Board shall issue one of the following determinations:

1. Denial of appeal.

2. Grant an extension for the Stakeholder to provide additional information.

3. The approved FCL Allocation will be based on the information presented. New allocations approved will be for the current and subsequent years and not retroactive.

Attachment A – Listing of LEMA Allocation by Water Right Group

Below a listing of Water Right Groups (Group) as determined by DWR, the water right(s) and authorized point(s) of diversions for each Water Right Group, and the total FCL Allocation for each Water Right Group.

Notes:

1. Allocations subject to appeal, if filed.
2. Water Right Group definition - A Water Right Group is composed of all legally overlapped water rights (by place of use, point of diversion, or both).
3. Vested Rights (a Water Right which was put to beneficial use prior to June 28, 1945) are not restricted as part of this proposed LEMA. Groups with both Vested Water Rights and Appropriation Water Rights are assigned an allocation to the Appropriation Water Right(s) of the Group based on their use and the Group's required reduction.
4. LEMA allocations pertain only to irrigation water rights.

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
2	8955	14-15-39W 1 NE SW NW	0.00
3	5987; 10492; 13199; 21658	17-16-34W 1 NW SW NW; 17-16-34W 2 NW SW NE; 17-16-34W 3 3000N 1200W; 18-16-34W 1 4079N 2587W; 7-16-34W 1 1400N 4501W; 7-16-34W 2 25N 2541W	366.16
4	24841	34-18-34W 1 NW NW NW; 34-18-34W 2 NC W2 NW; 34-18-34W 3 CW NW NW; 34-18-34W 4 CN NW NW; 34-18-34W 5 4267N 5204W; 34-18-34W 6 4832N 5210W	667.40
5	2652; 9126	22-16-34W 1 SW SW SW; 22-16-34W 4 2660N 3900W	0.00
6	15339	34-17-28W 1 2610N 4851W; 34-17-28W 2 2573N 3837W	487.68
7	8557	32-20-33W 2 500N 1147W	0.00
8	8445; 25423	8-17-29W 1 5120N 1630W; 8-17-29W 5 1420N 1410W	868.74
10	4293; 4294; 8029; 23541; 24242; 24629; 28023	29-16-34W 1 2570N 5150W; 29-16-34W 2 NW NW SE; 29-16-34W 3 4500N 5150W; 29-16-34W 5 3750N 3200W; 31-16-34W 1 1650N 5070W; 31-16-34W 2 2970N 1285W; 31-16-34W 4 5225N 5025W; 31-16-34W 5 2520N 3750W; 31-16-34W 6 1322N 2800W; 31-16-34W 7 5025N 2875W; 31-16-34W 8 2520N 4040W	2566.55
12	24465	8-16-40W 2 4000N 1440W	528.67
13	7581; 24883	19-18-33W 2 3400N 5080W; 19-18-33W 4 875N 5090W; 19-18-33W 5 2590N 2640W; 19-18-33W 6 2080N 2510W	0.00
15	10718; 13373; 15783; 23026	16-14-42W 1 1730N 2640W; 16-14-42W 3 1430N 2640W; 21-14-42W 1 5190N 2620W; 22-14-42W 1 3283N 2773W;	4038.74
16	325; 6225-A; 9768	1-17-34W 1 1373N 5200W; 1-17-34W 2 1805N 2615W; 1-17-34W 5 1143N 4060W; 1-17-34W 6 1623N 5200W; 2-17-34W 1 NE SW SE	912.11
18	3964; 14637; 20819; 25061	10-15-41W 1 NC N2 NW; 10-15-41W 2 2821N 2548W; 9-15-41W 1 5196N 2550W; 9-15-41W 2 2730N 2700W; 9-15-41W 3 4595N 5190W	0.00
19	9317; 17200	23-16-34W 2 160N 5200W; 27-16-34W 1 5200N 2600W; 27-16-34W 2 3450N 1320W	0.00

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
20	25371	6-16-39W 4 3740N 3872W	563.09
21	34575	20-18-33W 1 SE SW SW; 20-18-33W 2 SE SW SW;	0.00
22	14551; 23508	25-16-33W 1 3235N 5070W; 25-16-33W 2 2840N 4400W	1058.86
23	14592; 21407; 26888	11-15-41W 2 5200N 4620W; 3-15-41W 1 2580N 5180W; 3-15-41W 2 3373N 2700W	853.79
24	4021	28-14-39W 1 NE NE SW	247.20
25	2398; 3249; 12493	6-15-39W 1 1412N 4750W; 6-15-39W 2 1795N 2850W; 6-15-39W 3 2700N 3850W	855.70
26	20589	20-16-33W 2 2625N 1025W	0.00
27	820; 821; 25090	10-20-33W 3 1345N 2600W; 10-20-33W 5 SW NW SE; 10-20-33W 6 NC S2 NW SE; 15-20-33W 1 CE NE NW	0.00
29	8331	5-20-33W 1 5200N 2188W; 5-20-33W 2 5200N 3688W; 5-20-33W 3 5200N 2813W	0.00
30	8881; 16715-D2	1-20-34W 1 NE SW SW; 11-20-34W 1 3366N 369W; 11-20-34W 3 4411N 806W; 12-20-34W 1 3400N 2600W; 12-20-34W 4 SW SE NW; 12-20-34W 5 1520N 1246W; 2-20-34W 1 1450N 2620W; 2-20-34W 2 175N 1450W; 2-20-34W 3 NC N2 S2; 2-20-34W 5 1144N 4022W	460.70
32	15370; 22351; 22746	20-17-32W 1 1850N 2595W; 20-17-32W 2 1355N 515W; 20-17-32W 3 718N 50W	1167.53
33	394	15-17-28W 1 NW NE SW; 15-17-28W 2 SW SE SW	1064.74
37	4702; 13895	14-15-38W 1 SW SW SW; 14-15-38W 2 NC S2 S2 S2; 14-15-38W 3 SE SW SW	0.00
39	19312	29-14-38W 1 SW SW NW	0.00
40	9143	5-17-34W 2 NC NE	681.73
41	22874	3-15-42W 1 415N 4000W	0.00
43	13793; 17853; 27980	22-19-33W 1 2855N 2425W; 22-19-33W 2 2910N 4710W; 22-19-33W 4 106N 26W; 23-19-33W 1 2770N 3825W; 23-19-33W 2 477N 3358W; 23-19-33W 4 1870N 1915W; 23-19-33W 5 5119N 2286W	1860.89

GMD 1's Proposed Four County LEMA Allocations

Attachment A

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
44	13269	29-15-40W 1 NW SW SW	0.00
45	20111; 33732	17-18-39W 1 5167N 177W; 17-18-39W 2 4798N 89W; 17-18-39W 3 5133N 985W; 17-18-39W 4 5166N 1513W	0.00
47	23528; 35167	17-15-40W 1 2565N 2670W	1781.98
48	28271	3-19-33W 1 30N 30W; 3-19-33W 2 1155N 60W; 3-19-33W 3 2590N 30W; 3-19-33W 4 2610N 1520W; 3-19-33W 5 2610N 2610W; 3-19-33W 6 1320N 2610W	0.00
52	10202; 24848	12-20-33W 3 3200N 2500W; 12-20-33W 4 1750N 2120W; 12-20-33W 5 5090N 2550W	0.00
54	28805	15-17-39W 1 3795N 2645W; 15-17-39W 2 5070N 2660W	893.44
55	6357; 13859	32-17-28W 1 CN SW; 32-17-28W 2 2742N 2595W; 32-17-28W 3 1320N 3500W	861.30
56	675	16-14-41W 1 NW SW SE	0.00
59	26730; 30128	28-14-41W 1 1360N 1416W; 28-14-41W 2 1380N 4010W; 28-14-41W 3 4600N 5200W	2042.39
60	9895; 10332; 27947	14-15-39W 2 970N 2460W; 14-15-39W 3 SW NW SW; 14-15-39W 4 NC NE; 14-15-39W 6 860N 4205W	0.00
61	20317	4-18-29W 2 2450N 2460W; 4-18-29W 4 2250N 2180W	398.65
63	14958-D2; 21947; 30496	25-14-42W 1 760N 2450W; 25-14-42W 2 4025N 60W; 30-14-41W 1 65N 2790W; 30-14-41W 4 2705N 2440W	0.00
65	23880; 38677; 38678	1-17-29W 3 150N 2600W; 10-17-29W 3 3995N 194W; 10-17-29W 4 4013N 3840W	1163.61
68	10307	27-15-40W 1 SE NE NE; 27-15-40W 2 SE NW NW	753.22
71	8676; 10540; 14869	22-16-34W 2 NW NW SE; 22-16-34W 3 SE NE SE; 23-16-34W 3 2680N 3960W	291.05
74	10021	2-16-42W 3 NW SE SE	0.00
76	4103; 18820; 23076; 31537; 31538	28-15-41W 1 1130N 1530W; 28-15-41W 2 160N 80W; 28-15-41W 4 50N 3770W; 28-15-41W 6 2378N 3526W; 29-15-41W 2 820N 60W; 29-15-41W 3 2700N 1200W	0.00
77	8812; 23321	21-15-38W 2 W2 W2 NW NW; 21-15-38W 3 SE SW NW; 21-15-38W 4 W2 W2 SW SE; 21-15-38W 5 50N 1610W	0.00
78	4625	31-14-39W 1 NE NW NW	1003.20

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
79	9222; 9483; 10973; 20542	32-15-39W 1 5140N 2650W; 32-15-39W 2 100N 3970W; 32-15-39W 3 50N 430W; 32-15-39W 4 2685N 4028W; 32-15-39W 5 2820N 60W	1381.61
80	37093; 37095; 39231	7-16-41W 1 5250N 2750W; 7-16-41W 3 2620N 1430W; 7-16-41W 5 2560N 3408W	2493.67
81	27113	10-14-42W 3 4395N 1220W	496.32
82	15992	30-17-31W 1 3994N 1330W; 30-17-31W 2 4015N 3910W	1383.98
84	16165	13-16-39W 1 2570N 1320W	0.00
86	3733	22-17-39W 1 CN NW SW	0.00
87	13999; 17921	1-18-30W 1 3650N 2600W; 1-18-30W 2 3650N 1350W; 1-18-30W 3 2550N 3800W; 1-18-30W 4 2400N 2550W; 1-18-30W 6 2330N 1320W; 1-18-30W 8 2590N 5080W	2388.51
88	19203	18-16-33W 1 1140N 2600W; 18-16-33W 2 4950N 2600W; 18-16-33W 3 850N 1810W	0.00
89	393; 5424; 12608; 24601	22-17-28W 2 4600N 700W; 22-17-28W 3 2650N 650W; 22-17-28W 4 1300N 60W; 23-17-28W 2 5140N 2435W; 23-17-28W 3 3562N 2635W; 23-17-28W 4 3960N 3990W; 23-17-28W 5 1320N 1340W; 23-17-28W 6 2600N 3770W	2780.14
91	11524; 17062	29-16-30W 1 50N 3335W; 29-16-30W 2 45N 5253W	1312.27
92	11817	2-15-40W 1 4750N 5190W	583.94
93	6721; 10402; 21062	17-20-33W 1 5220N 3623W; 17-20-33W 2 4651N 4766W; 17-20-33W 6 3806N 5200W; 17-20-33W 7 2990N 1779W; 8-20-33W 1 SW SW SW; 8-20-33W 2 CW SW; 8-20-33W 3 1043N 5246W	767.63
95	8307; 8308; 10323; 11161; 15283; 29985; 39752	10-16-40W 1 2600N 5150W; 10-16-40W 2 2620N 2510W; 10-16-40W 3 4180N 1180W; 16-16-40W 1 3887N 2350W; 16-16-40W 2 4720N 5240W; 3-16-40W 1 3115N 5240W; 8-16-40W 4 1310N 2580W; 9-16-40W 3 2410N 2500W; 9-16-40W 4 1450N 5100W; 9-16-40W 5 2410N 2450W	2879.36
96	7678; 13767; 20157; 22001	13-15-40W 1 NE NE NW; 13-15-40W 2 2785N 1565W; 13-15-40W 4 5145N 1275W; 24-15-40W 1 3695N 4275W; 24-15-40W 2 3575N 2635W	2150.15

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
97	6877; 24919	9-17-30W 1 4850N 5050W; 9-17-30W 2 2105N 4290W; 9-17-30W 3 860N 5245W	652.40
99	16760	7-16-40W 1 SW SW	716.80
101	10828; 11029; 36875	27-15-38W 1 60N 3900W; 27-15-38W 2 2692N 5240W; 28-15-38W 3 2345N 2575W	0.00
102	3719; 4928; 7512; 12043; 21958	6-17-33W 2 1980N 5080W; 6-17-33W 5 1640N 4020W; 7-17-33W 1 4950N 5100W; 7-17-33W 2 5080N 3090W; 7-17-33W 3 5080N 4200W; 7-17-33W 4 4980N 1440W; 7-17-33W 5 3670N 1510W	303.76
103	5130; 28857	7-15-40W 1 5090N 4910W; 7-15-40W 2 2590N 5035W	1653.37
105	5359; 29496	7-18-33W 1 2385N 2630W; 8-18-33W 1 2300N 4600W	0.00
106	16128	6-14-42W 2 3540N 950W	1233.70
108	9827; 24814-D1; 24814-D2	11-14-42W 3 2700N 2700W; 11-14-42W 4 1400N 2700W; 14-14-42W 2 NC NW SW	3140.39
109	1878; 8813; 39736	34-14-40W 1 NC N2 SE NW; 34-14-40W 2 NW NW NW; 34-14-40W 4 5260N 1800W	1253.52
110	4645; 8879	23-16-34W 1 SW SE NE	0.00
111	5717	16-17-28W 1 SW NW NE; 16-17-28W 2 NW NW SE	715.98
113	11344; 29413	32-13-42W 1 100N 2600W; 32-13-42W 3 660N 4580W	891.32
114	17484	11-17-29W 1 2628N 1508W	485.62
115	11850; 31299; 34697	23-16-30W 1 100N 2060W; 24-16-30W 1 600N 4110W; 24-16-30W 2 50N 5200W; 24-16-30W 6 2904N 4090W; 24-16-30W 8 2890N 4060W	830.00
116	4393; 16012; 32886	29-17-33W 1 1160N 5000W; 29-17-33W 3 1630N 2700W; 31-17-33W 2 5130N 4160W	527.66

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
118	1148; 4624; 10420; 10479; 10632; 14177; 20272; 23936; 25254; 26814-D1; 26814-D2; 27807; 30703; 31824; 34003; 36140	1-15-40W 1 4100N 2300W; 1-15-40W 2 2540N 1380W; 1-15-40W 3 1320N 2630W; 1-15-40W 4 NC NW; 1-15-40W 6 NC SW; 12-15-40W 2 SW SW NE; 12-15-40W 3 3886N 3962W; 12-15-40W 6 NC SW; 12-15-40W 8 2570N 105W; 12-15-40W 9 985N 1500W; 18-15-39W 1 NW SE NW; 18-15-39W 3 1330N 3960W; 25-14-40W 1 3775N 100W; 25-14-40W 2 3009N 5222W; 25-14-40W 4 678N 5230W; 25-14-40W 6 726N 3110W; 30-14-39W 1 1150N 4100W; 31-14-39W 2 3140N 900W; 31-14-39W 3 3140N 2590W; 31-14-39W 4 865N 1320W; 36-14-40W 1 SW SW SE; 36-14-40W 2 2620N 2600W; 36-14-40W 3 82N 5210W; 36-14-40W 4 3762N 5197W; 7-15-39W 2 SE SE SW; 7-15-39W 5 1193N 5309W	11110.21
120	17205-D1; 17205-D2; 18089; 25157; 25318	15-20-34W 1 5215N 3235W; 15-20-34W 10 2440N 3220W; 15-20-34W 2 4980N 4420W; 15-20-34W 3 115N 3960W; 15-20-34W 4 4785N 3730W; 15-20-34W 5 3795N 5115W; 15-20-34W 6 3560N 3750W; 15-20-34W 7 2690N 5200W; 15-20-34W 8 2030N 5200W; 15-20-34W 9 3010N 3285W 15-16-39W 1 800N 5140W; 15-16-39W 2 4915N 4935W; 15-16-39W 3 1010N 2435W; 15-16-39W 4 1080N 90W; 15-16-39W 5 2570N 5140W; 15-16-39W 6 60N 3640W; 15-16-39W 7 330N 974W 30-17-27W 1 3935N 2575W; 30-17-27W 2 1515N 2600W; 30-17-27W 3 5215N 1585W 23-16-39W 3 NC W2 NW NW; 23-16-39W 5 NW SE NW 10-15-42W 1 5180N 5230W 3-18-30W 1 4025N 2710W; 3-18-30W 3 2658N 3871W; 4-18-30W 1 5215N 2435W; 4-18-30W 2 4150N 130W; 4-18-30W 3 5220N 3700W 3-20-34W 1 860N 5215W; 3-20-34W 2 860N 4620W; 3-20-34W 3 450N 4390W; 3-20-34W 4 860N 3690W; 3-20-34W 6 710N 2870W; 3-20-34W 7 765N 3160W	1117.50
121	18960; 21867; 25344		771.94
122	15858; 20521; 32248		910.30
124	14318		933.15
126	16385; 17789		778.88
127	25327; 31486; 34784		1528.65
128	4204; 5493; 6616; 16937		571.30

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
129	9584; 26991	21-15-39W 1 NC NE; 21-15-39W 4 1456N 1310W	626.29
130	7521; 25040	33-16-34W 3 910N 5200W	0.00
131	5547; 15921	21-17-28W 1 2654N 2194W; 21-17-28W 2 1970N 660W	355.74
132	8001; 8920; 18203	14-20-33W 2 NW NW SE; 14-20-33W 3 5000N 5180W; 14-20-33W 4 2200N 4850W; 14-20-33W 6 3320N 5100W	962.58
133	5761; 17907; 18642; 31065; 34751	30-17-32W 2 450N 2700W; 30-17-32W 3 2050N 2700W; 30-17-32W 4 3850N 2700W; 30-17-32W 7 425N 2820W; 31-17-32W 3 4350N 1250W; 31-17-32W 5 3225N 4025W; 36-17-33W 3 2550N 1400W	3715.06
134	34482; 34483; 34484	26-17-27W 1 46N 4940W; 35-17-27W 1 3896N 2849W; 35-17-27W 2 3105N 2944W	0.00
136	6679; 25345	17-16-39W 1 NC E2 SW NE; 17-16-39W 2 82N 2773W; 17-16-39W 3 38N 1283W; 17-16-39W 4 2320N 1684W; 17-16-39W 5 1000N 1047W; 17-16-39W 6 3235N 1820W	1758.19
137	9266; 16897	1-15-39W 1 2380N 2540W; 1-15-39W 2 740N 2520W; 12-15-39W 2 NW NW NE	791.81
138	8241	10-16-34W 1 SW SW SW	0.00
142	11385-D1	35-18-33W 4 3289N 4085W	421.78
144	9555; 18531; 25295	18-20-32W 2 2650N 4950W; 7-20-32W 3 2630N 3880W; 7-20-32W 4 2280N 5200W; 7-20-32W 5 2480N 3946W	458.27
145	10518	22-16-41W 1 NE NE NW; 22-16-41W 2 NW NW SW	1828.27
146	13958; 17137; 21359	36-17-29W 1 5250N 1385W; 36-17-29W 2 5250N 2685W; 36-17-29W 3 2625N 495W; 36-17-29W 4 2720N 960W	966.91
147	29605	1-17-30W 3 2600N 2590W	113.87
149	21205; 31236	22-15-41W 1 100N 3320W; 22-15-41W 2 250N 150W; 22-15-41W 3 2171N 764W	0.00
151	30452	21-13-42W 1 5150N 1850W; 21-13-42W 2 1250N 1250W	908.54
152	13728	35-14-41W 1 SE SE NW	137.67
153	9937; 10974	22-16-39W 1 NW SW SE; 22-16-39W 2 SE NW SE	0.00
154	24062	18-17-32W 2 1023N 3610W	412.99

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
155	853; 7375; 11232; 11958; 20557; 22199; 30516	22-16-42W 1 2250N 2200W; 22-16-42W 10 5234N 4093W; 22-16-42W 16 2055N 60W; 22-16-42W 2 3450N 2550W; 22-16-42W 3 NW CR SW NW; 22-16-42W 4 2770N 4565W; 22-16-42W 5 400N 5140W; 22-16-42W 6 750N 1000W; 22-16-42W 7 5190N 250W	1859.90
156	4709; 21639	19-15-40W 1 3630N 2310W; 19-15-40W 2 1250N 4500W; 19-15-40W 3 2480N 200W	2315.05
157	8141; 25374	2-15-39W 1 3280N 4280W; 2-15-39W 2 1290N 4280W; 2-15-39W 3 3320N 2550W; 2-15-39W 4 3970N 3960W; 2-15-39W 5 1300N 2600W	326.83
158	2880; 8186; 39928	31-16-33W 1 2277N 5148W; 31-16-33W 2 2772N 2442W; 31-16-33W 3 2970N 4059W; 31-16-33W 4 680N 2532W	178.98
159	283; 11106	31-16-31W 1 3900N 5100W; 36-16-32W 1 3500N 2550W; 36-16-32W 2 3400N 1000W	1057.70
160	11270; 26662	31-20-32W 2 2500N 5150W; 31-20-32W 3 2500N 1650W; 32-20-32W 4 2975N 5185W	814.39
162	14744; 27160	8-14-42W 1 1055N 2595W; 9-14-42W 1 2605N 4635W	1412.00
163	13115	13-20-34W 2 5163N 2716W; 13-20-34W 3 5130N 3175W	0.00
165	10868; 15652	26-15-38W 2 NW NW SW; 26-15-38W 3 SW SW SW	0.00
167	3267	29-18-33W 1 3900N 5200W; 29-18-33W 2 3950N 4000W; 29-18-33W 6 4600N 4050W	0.00
168	13855; 21008; 23852	33-15-39W 1 100N 4000W; 33-15-39W 2 80N 2700W; 33-15-39W 3 2775N 2639W; 34-15-39W 1 1590N 5190W	2096.60
169	13760; 21376	6-18-39W 1 NC S2 NE SW; 6-18-39W 2 NW SW SE; 6-18-39W 3 1280N 2940W	482.02
170	103; 15580	33-18-34W 1 2600N 1915W; 33-18-34W 3 2600N 125W	0.00
171	5116	2-18-33W 2 N2 N2 NW SE	998.41
172	10602; 15958; 25481	14-14-40W 2 200N 2830W; 14-14-40W 3 200N 5020W; 15-14-40W 1 87N 122W	0.00
173	4583; 7882; 21926	4-17-34W 1 2630N 4690W; 4-17-34W 5 2630N 3630W; 4-17-34W 7 4804N 2590W	214.46
174	9595	4-15-39W 2 2594N 819W; 4-15-39W 3 410N 5170W	539.73

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
176	23956	30-20-32W 1 2573N 4318W	1009.72
178	16269; 23020	3-18-40W 2 5207N 4037W	0.00
180	1814; 25139; 25202	15-20-33W 3 2755N 3950W; 15-20-33W 5 815N 3980W; 15-20-33W 6 2695N 5074W; 15-20-33W 8 596N 4215W; 22-20-33W 3 4460N 3890W	871.62
181	2450; 25935	29-18-33W 3 4830N 2500W; 29-18-33W 4 4800N 700W; 29-18-33W 9 4900N 1350W	717.11
183	24113	30-16-34W 3 2570N 1010W	325.69
185	7602; 25043	6-17-33W 3 5160N 4900W; 6-17-33W 6 4305N 5000W	0.00
187	17138	4-18-29W 1 SE NE SE	109.19
188	29097	10-17-39W 1 2244N 5247W; 10-17-39W 2 983N 4050W	562.88
189	11841	19-16-33W 2 SW SW NE	0.00
191	9710-D1; 23844; 26850	33-14-40W 1 5153N 1324W; 33-14-40W 2 1055N 4555W; 33-14-40W 3 2100N 780W	0.00
193	4514; 5697; 8699	5-18-40W 1 3630N 2600W; 5-18-40W 3 3250N 5150W	581.31
194	14307; 22866	31-15-41W 1 3920N 4000W; 36-15-42W 2 3410N 2540W	0.00
196	20590	32-16-33W 2 5240N 2600W; 32-16-33W 3 4405N 2600W	0.00
200	8312; 10186; 25492	26-15-39W 1 2750N 2580W; 26-15-39W 2 5180N 5180W; 26-15-39W 4 2140N 600W; 35-15-39W 1 4040N 3415W	2827.68
201	51; 7972	27-17-32W 1 2680N 2540W; 27-17-32W 6 1320N 1370W	122.09
202	62	19-18-33W 3 NW SW NW	0.00
203	67	21-18-33W 3 NW NW SE	297.28
204	78; 14038	32-17-33W 1 4885N 4445W; 32-17-33W 2 5250N 1280W; 32-17-33W 3 3775N 2450W; 5-18-33W 1 110N 5080W	962.80
205	84; 8925; 17206; 25051	10-18-33W 3 5180N 2900W; 3-18-33W 1 1080N 5150W; 3-18-33W 2 1060N 3910W; 3-18-33W 5 2600N 3900W	1492.74
206	90	34-18-33W 3 3195N 3880W; 34-18-33W 8 3300N 3185W	0.00
207	95; 7894; 9110; 21812; 26626	24-20-33W 1 2870N 5245W; 24-20-33W 5 3380N 2762W; 24-20-33W 8 5124N 3598W; 25-20-33W 2 4260N 3895W	1087.68
208	142; 11264	4-18-33W 1 2600N 3880W; 4-18-33W 4 2580N 1510W; 9-18-33W 1 NW NW NW	0.00

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
209	157; 17157	10-20-34W 1 1780N 5150W; 10-20-34W 2 430N 5200W; 10-20-34W 3 60N 5095W	243.28
210	162; 9401	32-20-32W 1 3831N 2519W; 32-20-32W 2 2622N 3286W; 32-20-32W 3 48N 1882W	720.85
211	173; 15977	30-17-31W 3 1300N 3940W; 36-17-32W 1 4630N 2600W	948.89
214	202; 10852; 24182; 38084	1-19-33W 2 3940N 2540W; 1-19-33W 4 4100N 1560W; 31-18-32W 1 1800N 2400W; 31-18-32W 2 1320N 3960W; 6-19-32W 2 4142N 2500W	1724.92
216	212; 11625	33-20-32W 1 1045N 5240W	114.61
217	224; 5554-D1; 5554-D2	12-18-33W 2 NW NW NE; 12-18-33W 3 160N 80W	563.08
221	267; 15518	35-17-31W 1 1140N 5005W; 35-17-31W 2 5150N 5200W	1217.78
223	299; 18176	8-16-33W 1 2428N 5220W; 8-16-33W 3 2660N 4010W	0.00
224	306; 16375	23-18-34W 1 185N 4935W; 23-18-34W 2 35N 3550W	0.00
225	311; 7849	12-16-34W 1 2240N 2540W; 7-16-33W 2 60N 5240W	720.06
227	324	17-16-33W 1 NE NW NW; 8-16-33W 2 SW SW SE	54.62
228	332; 25004	16-17-34W 2 3680N 60W; 16-17-34W 7 3555N 2548W	517.61
230	358; 22368	9-16-34W 1 650N 5150W; 9-16-34W 2 85N 2560W	0.00
232	377; 26074	22-20-33W 1 1954N 3823W; 22-20-33W 5 2606N 1380W	0.00
234	411	36-20-33W 1 4250N 5250W	174.39
235	473; 15818	17-17-31W 2 1320N 1300W	659.63
236	486; 15247	22-17-28W 1 NW NW NW; 22-17-28W 5 SW SE NW	952.20
237	493; 7181; 15980	7-15-39W 1 1990N 1045W; 7-15-39W 4 3035N 100W; 8-15-39W 1 2705N 2510W	0.00
238	524; 18569; 28814	17-16-40W 3 1400N 5000W; 17-16-40W 5 4628N 5069W; 18-16-40W 1 3960N 1320W	0.00
239	546; 7748; 25355	19-20-32W 1 NC SW NW; 19-20-32W 4 145N 3980W; 19-20-32W 6 1555N 4915W; 19-20-32W 8 3300N 4898W	1102.14
242	778; 2689	2-16-42W 1 4820N 5200W; 36-15-42W 1 110N 3524W	0.00
243	827; 28937	33-17-33W 4 70N 70W; 33-17-33W 5 2240N 2340W	513.95
244	843; 7914; 22468	13-20-34W 1 4895N 50W; 13-20-34W 4 4210N 50W	767.21
247	857; 9282	2-18-34W 1 NC NE; 2-18-34W 2 NC S2 NE SE	1084.15
249	877; 878	23-18-33W 1 5140N 2570W; 23-18-33W 3 2330N 1050W	466.54

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
250	882; 4932; 25005	15-16-34W 1 1320N 5214W; 15-16-34W 5 990N 5214W	250.66
251	892	21-18-32W 2 SW NW SE	0.00
255	1068; 17318	24-16-34W 1 2648N 5278W; 24-16-34W 3 2725N 3980W	916.01
260	1126	30-18-32W 5 5027N 3820W; 30-18-32W 6 4735N 2008W	871.68
262	1184; 7725	13-16-34W 6 5250N 2590W; 13-16-34W 8 4000N 2590W;	837.52
		13-16-34W 9 5250N 1231W	
263	1185; 20588	13-16-34W 2 35N 2195W; 13-16-34W 7 2635N 2540W	392.57
271	1330; 6903; 13616	24-18-39W 1 1620N 2240W; 24-18-39W 2 4365N 977W;	1175.04
		24-18-39W 3 2705N 1390W	
278	1649; 9196; 32504	13-14-40W 1 1N 4480W; 23-14-40W 1 SW SW NE;	0.00
		23-14-40W 2 NE SE NE; 24-14-40W 1 SW SW NW;	
		24-14-40W 2 5130N 1480W	
279	1668; 11991; 22029	10-18-34W 1 CS SE; 10-18-34W 2 170N 2060W;	0.00
		11-18-34W 1 150N 5000W; 3-18-34W 1 1200N 2600W	
282	1979	20-15-40W 3 5230N 1380W	1186.72
287	2059; 3735; 9652; 18719; 25076	15-17-32W 1 5000N 4100W; 15-17-32W 2 100N 2800W;	419.59
		15-17-32W 3 140N 1860W	
293	2444; 28335	31-17-32W 2 2600N 1300W; 5-18-32W 1 CE NE NW;	1062.25
		5-18-32W 4 4849N 2897W	
298	2670; 10862	15-16-34W 2 1500N 2710W; 15-16-34W 3 2500N 2710W	664.31
300	2710; 8555; 10652; 15280; 16875; 25205	20-20-32W 1 3735N 1310W; 21-20-32W 1 3990N 5220W;	0.00
		21-20-32W 5 4260N 3960W	
301	2717; 5027; 23471; 24816	23-20-33W 3 690N 5220W; 26-20-33W 1 NE NE SW;	641.12
		26-20-33W 2 5230N 3300W; 26-20-33W 5 2553N 5250W	
304	2937; 10377; 13745	27-15-41W 1 3285N 2375W; 27-15-41W 3 1810N 5105W;	1028.37
		27-15-41W 5 1585N 1260W	
305	2974; 5764; 17400	12-17-30W 1 3850N 1300W; 12-17-30W 4 3901N 1290W;	3571.93
		17-17-29W 1 4400N 3150W; 17-17-29W 2 5200N 200W;	
		6-17-29W 2 800N 4700W; 7-17-29W 1 4050N 2350W;	
		7-17-29W 2 5150N 2300W; 7-17-29W 3 3150N 50W;	
		7-17-29W 4 1750N 3450W; 7-17-29W 5 1340N 2380W;	
		7-17-29W 6 2550N 750W	

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
306	2996; 23027; 23785; 27533	27-14-42W 2 1410N 4050W; 27-14-42W 4 2594N 1938W; 27-14-42W 5 5142N 2275W; 27-14-42W 6 5195N 3755W	2109.41
307	3016; 22653	15-14-41W 3 2610N 4094W; 15-14-41W 4 2444N 2534W	798.76
308	3024; 36402	29-13-42W 1 1320N 5200W; 29-13-42W 2 3142N 3430W	849.67
310	3037; 9867; 29282	12-20-33W 12 5133N 4777W; 12-20-33W 7 2889N 4885W; 13-20-33W 1 4903N 3041W; 13-20-33W 9 1662N 5285W; 14-20-33W 1 2698N 200W; 14-20-33W 5 4726N 100W	420.46
312	3064; 8754; 31711	15-17-30W 1 1825N 5035W; 16-17-30W 1 770N 2600W; 16-17-30W 2 SW SW NE	740.71
318	3256; 8793; 25414	1-20-33W 2 2690N 2840W; 1-20-33W 3 5211N 1828W	502.77
324	3556; 15983	23-17-30W 1 SW SW SE; 25-17-30W 1 NW SW NW	1118.64
327	3668	33-15-38W 1 NW NW SW	704.20
328	3669; 6675	28-15-38W 1 SW NW NW; 28-15-38W 2 SW SW NW	0.00
330	3689; 8295; 11985; 18232; 30655	15-16-42W 1 2000N 2550W; 15-16-42W 2 3440N 3710W; 15-16-42W 3 3161N 124W; 15-16-42W 4 5250N 4370W; 15-16-42W 5 5180N 100W	1645.60
331	3694	33-16-34W 1 SW SW NE	422.77
336	3834; 16425; 21971; 24083	25-19-33W 1 110N 1780W; 30-19-32W 1 5200N 3450W; 30-19-32W 2 670N 5100W; 30-19-32W 3 2580N 2820W; 30-19-32W 4 1270N 3000W; 30-19-32W 5 1240N 3015W; 31-19-32W 2 3910N 5215W	382.30
337	3870	32-15-38W 1 NW NW SE	0.00
338	3885; 3888; 22827; 28165	18-18-32W 7 2660N 2415W; 7-18-32W 1 SE SE NE; 7-18-32W 2 230N 1017W; 7-18-32W 5 3018N 1531W	732.50
339	3886	13-18-33W 11 4290N 3220W; 13-18-33W 3 4490N 3420W	46.09
340	3887	36-17-33W 6 4316N 3765W	0.00
345	4150; 8685; 21490	32-15-40W 1 3665N 2930W; 32-15-40W 2 3800N 5260W	1077.19
348	4255; 15472; 24563	8-15-38W 1 5230N 5200W; 8-15-38W 2 5230N 2280W; 8-15-38W 3 975N 2635W; 8-15-38W 4 65N 2635W; 8-15-38W 5 3570N 5260W	0.00
349	4289; 7795	26-16-32W 1 4257N 5230W; 26-16-32W 6 3315N 2600W	0.00

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
352	4354; 11745; 19267	5-18-32W 2 1672N 2737W; 6-18-32W 1 2740N 5140W; 7-18-32W 11 5260N 4052W; 7-18-32W 12 5195N 4068W; 7-18-32W 3 2568N 5194W	2637.32
354	4412; 9777; 10366; 17100; 19064; 24565-D1; 24565-D2; 28365; 29427	14-17-39W 1 2679N 565W; 14-17-39W 2 3240N 2712W; 14-17-39W 3 73N 2425W; 22-17-39W 2 NW NW NE; 23-17-39W 1 2575N 3630W; 23-17-39W 2 5211N 5206W; 24-17-39W 1 2285N 2510W; 24-17-39W 2 4800N 435W; 24-17-39W 3 2815N 35W; 24-17-39W 4 1910N 5210W; 9-17-39W 1 NW NW SE	5765.52
355	4425; 7634	6-17-34W 1 3300N 5100W; 6-17-34W 2 5200N 5200W	607.98
356	4465; 11045-D1	9-18-32W 3 4015N 2750W	410.81
357	4494; 11242	5-18-34W 1 NW NW NW; 5-18-34W 2 NW NW SW	0.00
358	4515; 5696	15-17-40W 1 NW SW SW	510.46
359	4666; 10363	32-15-38W 2 4600N 3300W; 32-15-38W 3 2011N 4514W	1294.10
360	4672; 17254; 23787	23-14-41W 1 4565N 5015W; 23-14-41W 2 5210N 3475W; 23-14-41W 3 1800N 5200W	1495.52
362	4707; 8161; 27088	23-14-42W 1 2575N 2530W; 23-14-42W 2 5206N 5195W; 26-14-42W 1 5229N 2679W	2616.35
364	4713; 10490; 14435	35-15-38W 1 CW SE; 36-15-38W 1 2600N 5230W; 36-15-38W 2 40N 5230W	0.00
365	4716; 19697	8-17-32W 1 NE SW NW; 8-17-32W 2 100N 4620W	1067.29
366	4721	24-20-33W 10 842N 2005W; 24-20-33W 2 NC N2 SW SE	486.05
370	4794; 11796; 17905; 35166	5-17-34W 3 4092N 2739W; 5-17-34W 4 3138N 3765W; 6-17-34W 3 5200N 2600W; 6-17-34W 4 2900N 2550W	1642.64
373	4836; 24843	7-17-32W 1 745N 4225W	587.45
375	4841; 11767; 19506	32-14-39W 1 2750N 90W; 32-14-39W 2 2750N 3300W; 32-14-39W 5 3220N 1980W	438.67
376	4842	24-15-39W 1 SW NW NW	0.00
380	4868; 12504; 18651; 20617	10-17-29W 1 900N 2750W; 10-17-29W 2 1250N 4650W; 15-17-29W 1 5000N 2550W	1655.06
381	4909	24-17-28W 1 NW NW SW	469.01
387	5131; 28856	3-15-40W 1 5060N 3760W; 3-15-40W 2 4572N 1863W	1569.77

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
390	5301	27-16-30W 1 NE NE SE	714.75
391	5304	11-20-34W 2 NC W2 NW SW	0.00
392	5318; 8693	25-14-39W 1 CN SW SW; 36-14-39W 1 NC NE NW	0.00
395	5439; 29750	12-17-29W 1 NW NW SW; 12-17-29W 2 65N 5198W	0.00
396	5479	21-16-29W 1 SE SE SE	0.00
397	5523; 15120	1-17-29W 1 2650N 4600W	387.07
398	5535; 15552	6-18-29W 1 2792N 845W; 6-18-29W 2 3075N 1065W	669.45
399	5542	4-17-29W 1 1265N 4805W	0.00
401	5548; 20104; 22106; 23566	5-15-41W 1 NC N2 S2 N2; 5-15-41W 3 4232N 1010W;	0.00
403	5614; 15863	5-15-41W 5 2000N 100W; 5-15-41W 6 4685N 150W	312.51
404	5672	10-18-29W 1 NW NW SE; 10-18-29W 2 2611N 2294W	0.00
407	5763; 10848; 13743; 17831; 26305	23-18-30W 1 NE NE NE	2442.72
		26-17-29W 1 2680N 5200W; 26-17-29W 3 2590N 2975W;	
		26-17-29W 4 2560N 4000W; 26-17-29W 5 2180N 3920W;	
		26-17-29W 7 4000N 5200W; 26-17-29W 8 3300N 4950W;	
		26-17-29W 9 3510N 2640W; 35-17-29W 1 60N 4013W;	
		35-17-29W 2 792N 2510W	
408	5840	14-14-42W 1 SE NW SE	1115.52
409	5970; 11592	6-17-33W 1 1715N 2580W; 6-17-33W 4 2480N 1935W	1198.02
411	6078	3-17-34W 1 5200N 5200W	0.00
412	6084; 14623	24-17-29W 1 5000N 2600W; 24-17-29W 2 4400N 1700W	1002.73
414	6167; 18516	11-17-34W 1 NC NE NE; 12-17-34W 2 1520N 2040W	0.00
416	6264	3-15-38W 1 1050N 2500W; 3-15-38W 2 800N 2500W;	0.00
		3-15-38W 3 800N 2150W	
418	6384; 10997; 15841; 18445; 20889	20-17-27W 1 1550N 5260W; 20-17-27W 2 65N 5260W;	1627.27
		20-17-27W 3 100N 2625W; 21-17-27W 1 100N 3960W;	
		28-17-27W 3 2725N 2575W	
423	6573; 24177	10-16-42W 1 CS NW; 10-16-42W 2 1315N 5180W	0.00
424	6621; 11367; 22310; 25401	21-16-34W 1 4025N 5245W; 21-16-34W 5 90N 4015W;	1056.45
		21-16-34W 7 2600N 5200W; 28-16-34W 1 3530N 5230W	
425	6702	33-17-29W 1 NE NW SE	228.64
427	6755; 10238	34-15-38W 1 1540N 5100W; 34-15-38W 3 4850N 5100W	806.94

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
429	6772; 20199	23-15-39W 1 1680N 5250W; 23-15-39W 2 110N 2530W	0.00
430	6789; 16586; 20355	27-17-32W 2 5210N 4980W; 27-17-32W 3 3854N 3274W; 28-17-32W 1 4200N 100W	0.00
432	6822; 12801; 13329; 18494; 24176	29-15-41W 1 1320N 3940W; 32-15-41W 1 NE SW NE; 32-15-41W 2 100N 4100W; 6-16-41W 1 NW NE SW; 6-16-41W 2 2580N 1980W	2457.79
436	6875; 16040	25-15-39W 1 NW NW NW; 25-15-39W 3 2525N 3856W; 25-15-39W 4 275N 5049W	1763.22
437	6886	36-13-43W 2 5175N 2065W	345.65
439	7036	33-16-29W 1 NE NW SE; 33-16-29W 2 NC W2 SE	664.09
442	7215	27-17-34W 1 NE NW NE	571.60
443	7217; 8939	2-16-40W 1 5300N 1300W; 31-15-39W 1 SW SW SW	259.00
445	7276; 18111; 19980	5-17-32W 1 5160N 2415W; 5-17-32W 3 2890N 4230W; 5-17-32W 5 2000N 3785W; 8-17-32W 4 1650N 660W	1898.02
447	7306; 8309; 20548	16-17-40W 1 30N 5100W; 16-17-40W 2 4462N 3220W; 16-17-40W 3 1660N 3970W	932.71
448	7318	17-16-41W 2 NW NW NW	0.00
449	7341; 16414	25-17-28W 1 5225N 4950W; 25-17-28W 2 5225N 3200W	492.65
452	7352; 15987	7-18-34W 1 5180N 5170W; 7-18-34W 2 4300N 4547W	0.00
453	7447	27-17-31W 1 SW NW NE	453.64
455	7531	1-16-40W 1 NW NE NW	0.00
456	7539	20-20-33W 1 NW NE NE	0.00
457	7540; 10136	29-15-38W 1 4078N 2585W; 29-15-38W 2 1090N 2565W	0.00
458	7543; 8260; 9063; 12582; 22114	5-15-39W 1 11N 5256W; 5-15-39W 2 2604N 5196W; 5-15-39W 3 1799N 3573W; 5-15-39W 4 5179N 4594W; 5-15-39W 6 983N 1817W; 5-15-39W 7 121N 5226W	570.02
460	7555; 24983	6-17-29W 1 2705N 4785W; 6-17-29W 3 2705N 3630W	503.04
462	7593	35-16-30W 1 CW NE	0.00
463	7595; 15331; 15332	11-17-28W 1 CS SW; 11-17-28W 2 SE SE SW; 14-17-28W 1 850N 5200W; 14-17-28W 2 3970N 3890W; 14-17-28W 3 610N 3840W	1313.41
464	7601; 12165	34-16-34W 1 NW NW SW; 34-16-34W 2 910N 2540W	250.54

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
467	7648; 23848	20-15-39W 3 2238N 1176W	739.20
468	7649	28-15-39W 1 SE NW NW	254.28
471	7724	16-18-34W 2 SW NW SW	0.00
473	7738; 24957	36-20-33W 2 1900N 3150W; 36-20-33W 3 1861N 2011W	411.41
476	7776; 17683	9-15-40W 1 5240N 2620W; 9-15-40W 3 2680N 3500W	962.98
477	7779; 25286	22-20-33W 2 NW NW NE; 22-20-33W 4 5180N 100W	558.59
479	7804	33-18-34W 2 NC N2 N2 NW	0.00
480	7840; 34501	32-19-33W 1 4680N 2580W; 32-19-33W 2 SW NW SE;	795.09
		32-19-33W 5 3050N 1400W	
481	7845	29-17-32W 1 SW NW NE	449.67
482	7851; 11593; 13126; 15468; 17806; 24645; 26739	26-16-34W 2 2580N 4110W; 26-16-34W 3 1440N 5200W;	3300.39
		26-16-34W 4 80N 5200W; 26-16-34W 5 140N 2850W;	
		27-16-34W 3 1210N 2550W; 34-16-34W 3 4120N 2390W;	
		34-16-34W 4 5100N 2410W; 35-16-34W 2 3860N 2440W;	
		35-16-34W 3 5140N 90W; 35-16-34W 4 2710N 110W;	
		36-16-34W 1 400N 5200W	0.00
483	7852	2-17-34W 3 NW NW NW	0.00
485	7855	4-17-34W 2 CW NW NW	0.00
486	7865	26-18-34W 1 NW NW NE	0.00
490	7991	15-20-33W 7 1635N 1945W	345.45
491	8030-D2; 25248	30-18-32W 4 3413N 933W; 32-18-32W 1 2805N 2574W;	981.90
		32-18-32W 5 2621N 5250W	
492	8030-D1	5-19-32W 1 NC N2 N2 NW	544.88
494	8057	25-18-33W 1 4900N 2750W; 25-18-33W 2 5150N 4800W;	1235.68
		25-18-33W 3 5200N 809W	
497	8134; 18792	10-17-33W 1 NC W2 W2 NW; 10-17-33W 2 2690N 5200W	570.45
498	8140	12-15-39W 1 SW SE NW	0.00
499	8159	15-16-40W 1 SW SW NE	63.08
500	8271; 15282; 30059	18-16-39W 1 1070N 2575W; 18-16-39W 11 3090N 5310W;	0.00
		18-16-39W 3 3960N 2575W; 18-16-39W 9 4010N 2575W	

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
501	8272; 8273; 8775; 12098; 31405; 39716	2-16-39W 1 E2 E2 W2; 2-16-39W 2 5612N 4712W; 3-16-39W 1 4950N 4920W; 3-16-39W 2 3280N 1000W; 3-16-39W 5 4900N 4890W; 3-16-39W 6 3200N 1040W; 3-16-39W 7 4224N 1465W; 3-16-39W 8 5383N 5062W; 4-16-39W 1 5200N 3780W; 4-16-39W 2 3780N 240W; 4-16-39W 3 3690N 270W; 4-16-39W 4 4327N 175W 20-16-34W 4 2013N 2620W 16-17-33W 2 4996N 5103W; 16-17-33W 3 4535N 5233W; 9-17-33W 1 4005N 4290W; 9-17-33W 2 4270N 5170W 23-16-32W 1 SE SW NW	1621.93
502	8304		96.89
503	8305; 19423		494.17
507	8397		99.31
510	8520; 10590; 31406	1-16-39W 1 5380N 2600W; 1-16-39W 2 2991N 2920W	1772.03
512	8575	25-16-34W 1 5200N 5200W; 26-16-34W 1 5210N 2430W	112.47
513	8585; 9438; 25297	18-18-34W 2 1750N 5100W; 18-18-34W 4 4830N 3975W; 18-18-34W 5 4880N 4850W	687.99
514	8599; 18613	25-17-34W 1 2500N 2500W; 25-17-34W 2 2470N 2500W; 36-17-34W 1 5100N 2500W; 36-17-34W 2 5100N 4000W	894.85
519	8677	30-15-40W 1 NW NW SE	672.41
521	8707; 14908	2-16-42W 2 4510N 1850W; 31-15-41W 2 1736N 5190W	0.00
522	8782; 17101	24-17-31W 1 NW SW NW; 24-17-31W 2 3980N 2520W	1728.82
523	8789	30-15-38W 1 NW SW SE	479.03
526	8869; 22396	18-20-32W 1 5212N 1177W	37.04
532	8956	15-15-39W 1 NE NW SE	0.00
534	14850; 19031	18-17-32W 3 5205N 2043W; 6-17-32W 1 690N 1950W	1831.84
536	9099	26-15-38W 1 NW NW NE	0.00
538	9112	24-14-42W 1 2550N 5210W	1520.88
539	9125; 10139	9-16-33W 1 NW NW SW; 9-16-33W 2 SW SW SW	236.42
540	9127; 12728; 20543	17-20-33W 4 1820N 4040W; 17-20-33W 5 2520N 3960W; 18-20-33W 1 4100N 2220W; 18-20-33W 2 4340N 3200W	684.34
541	9180; 24619	4-15-41W 1 CN; 4-15-41W 3 5212N 121W	0.00
542	9183; 19756	18-15-40W 2 2600N 1425W; 18-15-40W 3 1625N 2600W	656.98
544	9316	6-17-39W 1 CS SW SW; 6-17-39W 2 SE SE SW	0.00
547	9344; 19544; 42516	20-14-42W 1 2275N 1138W; 29-14-42W 1 NE NE NW	2562.23

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
548	9351; 10550; 39504; 39505; 42925; 42926	12-17-33W 1 60N 3420W; 12-17-33W 3 3280N 5200W; 12-17-33W 8 30N 1680W; 12-17-33W 9 4148N 1089W	2279.07
550	9394; 11583	16-14-40W 2 65N 800W; 16-14-40W 3 150N 3550W	0.00
553	9476	11-15-39W 1 SW SW NE	0.00
554	9485; 19369; 19540; 22695	11-20-33W 1 4100N 2550W; 11-20-33W 2 5200N 3900W; 11-20-33W 3 2600N 2600W; 11-20-33W 4 1200N 5200W; 11-20-33W 5 400N 150W; 11-20-33W 7 80N 4025W; 11-20-33W 8 80N 2810W	674.37
557	9506; 25373; 29665	35-14-40W 1 5100N 5150W; 35-14-40W 2 1340N 5120W; 35-14-40W 3 5200N 1730W; 35-14-40W 4 1890N 1630W	2329.77
558	9543	8-17-33W 1 NW NW NW	243.48
559	9544; 22456	24-17-33W 1 3406N 865W; 24-17-33W 2 3161N 1207W	816.20
560	9574	31-17-40W 2 5200N 4600W; 31-17-40W 3 3850N 2900W; 31-17-40W 4 1360N 5500W; 31-17-40W 5 2500N 730W; 6-18-40W 1 5150N 3130W	1616.68
564	9589	18-16-40W 2 4022N 4241W; 18-16-40W 3 2622N 1520W	184.80
565	9591; 10411	13-15-39W 1 1820N 3250W; 13-15-39W 2 1500N 5190W; 13-15-39W 3 50N 2520W	0.00
566	9594; 16025	4-15-39W 1 NW NW NW; 4-15-39W 4 4565N 3650W	559.16
567	9604; 24903	19-14-41W 1 4500N 3150W; 19-14-41W 2 2700N 3185W	1504.38
570	9629	22-15-39W 1 NW NW SW	666.39
571	9635; 23441	36-14-39W 2 NW SW NW; 36-14-39W 3 4213N 5243W; 36-14-39W 4 2709N 5226W	533.75
572	9636; 23786	22-14-41W 2 4515N 2135W; 22-14-41W 3 4724N 5189W	700.32
575	9643; 25149	12-18-33W 4 682N 3761W; 12-18-33W 5 3264N 2720W	535.66
576	9649; 11010; 29319	10-16-39W 1 65N 3765W; 10-16-39W 2 3910N 3900W	0.00
577	9712	30-14-42W 1 3600N 4100W	1364.73
580	9743; 21997; 22416	26-17-33W 1 3580N 5230W; 27-17-33W 1 440N 185W; 27-17-33W 3 4290N 2700W; 27-17-33W 4 2610N 1680W; 27-17-33W 6 2545N 3622W	1570.56
581	9751; 20139	34-17-33W 2 5214N 3795W; 34-17-33W 4 5215N 1900W	852.09
583	9789	33-14-39W 1 NW NE NE; 34-14-39W 1 CW NE	0.00

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
588	9875	12-15-41W 1 NW NW SE	1014.79
589	9886; 33567	13-19-33W 5 3462N 4263W; 14-19-33W 1 NW NW SW;	3215.56
		14-19-33W 3 52N 4478W	
590	9887	33-19-33W 1 N2 SW NW; 33-19-33W 2 SE SW SW;	0.00
		33-19-33W 3 330N 2640W	
591	9894	11-15-39W 2 NW NW SW	0.00
593	9923	6-19-33W 1 NW NW SE	0.00
594	9939; 11323	17-17-28W 1 CN NE NW; 17-17-28W 2 NW NW NE	545.12
595	9946; 34552	19-15-38W 1 NW; 19-15-38W 3 3988N 5220W	588.36
596	9968	12-16-40W 1 SW CR NE	363.88
597	9971	21-16-33W 1 CW NW	525.90
598	9995	1-18-39W 1 SW SW SW	0.00
599	10036; 16690	34-17-32W 5 1320N 1320W; 34-17-32W 6 2592N 2805W	626.56
602	10073; 29412	31-13-42W 1 3630N 4250W; 31-13-42W 2 1320N 1320W;	2311.86
		31-13-42W 3 150N 3630W	
604	10096; 14778	4-15-40W 1 4095N 4048W	558.83
605	10111; 26221	11-15-39W 3 5215N 4030W; 11-15-39W 5 2705N 4090W	440.86
606	10115	2-20-33W 2 NW NW SE; 36-19-33W 2 NE NE SW;	0.00
		36-19-33W 4 4250N 1527W	
607	10116	7-16-39W 1 NW NW SW; 7-16-39W 2 SW NW NE;	1285.88
		8-16-39W 1 NE NE NE	
609	10138	13-16-42W 1 SW SW NW	0.00
611	10145; 15413	24-19-33W 7 2778N 5176W; 24-19-33W 8 1023N 5168W	649.37
612	10151; 18563; 26433	11-19-33W 1 1940N 900W; 15-19-33W 1 200N 3640W;	718.82
		15-19-33W 4 3840N 1380W; 15-19-33W 5 1900N 4830W;	
		15-19-33W 6 3840N 1460W	
613	10162; 35348	15-16-41W 1 NW NE NW; 15-16-41W 4 4277N 1684W	757.13
616	10211	23-18-39W 1 NC SW SW	684.19
622	10254; 29608	12-15-41W 2 SW NW NW; 12-15-41W 4 5180N 2500W	286.54
626	10283; 13433; 25588; 28661; 39735	5-16-41W 1 SW SW SW; 5-16-41W 2 NE SE NW;	3266.99
		5-16-41W 3 5200N 5050W; 5-16-41W 4 1012N 3060W;	
		5-16-41W 6 2531N 4263W; 5-16-41W 7 3520N 2799W	

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
627	10289; 25168	23-16-41W 2 3536N 580W; 23-16-41W 3 3960N 5250W	789.98
628	10309-D2	31-15-40W 2 925N 460W	566.05
629	10309-D1	31-15-40W 1 2670N 5085W	456.25
631	10360	35-16-30W 2 NC NW	239.04
635	10401	32-19-33W 3 2611N 2984W; 32-19-33W 4 1843N 3572W	390.90
636	10426; 21350; 25129	7-17-28W 1 SW SW SE; 7-17-28W 3 60N 1305W	1167.13
641	10510	25-15-39W 2 2705N 2625W; 25-15-39W 5 2823N 2425W	496.08
647	10645; 17774	1-19-33W 3 2610N 4785W; 6-19-32W 1 SW NW NW; 6-19-32W 3 4421N 5096W	1374.13
648	10653; 22831	25-16-39W 1 NE NW NE; 25-16-39W 2 NW NW SW; 25-16-39W 3 NW NW SW; 25-16-39W 4 2000N 2500W	0.00
649	10660	12-18-39W 1 2500N 2500W	0.00
651	10674	14-16-41W 1 SW SW NW	0.00
653	10693	12-16-42W 1 CN NE NW	600.65
654	10698	18-18-30W 1 4643N 1411W; 18-18-30W 2 5110N 1649W; 18-18-30W 3 3971N 2282W	375.35
655	10699; 24564	17-14-41W 1 2500N 2700W; 17-14-41W 2 2640N 730W	2328.74
660	10764; 22238; 35082	17-17-30W 1 2370N 2679W; 20-17-30W 1 NW NW NW; 20-17-30W 2 SW NW NW; 20-17-30W 3 1603N 5050W	2318.72
662	10771; 18116	12-16-42W 2 NE SE NE; 12-16-42W 4 NE SE SE	1229.61
663	10778	34-19-33W 5 1007N 5191W	0.00
664	10786; 20084	9-17-40W 2 3665N 4850W; 9-17-40W 3 3695N 2180W; 9-17-40W 5 3730N 3995W	0.00
666	10816	10-15-39W 3 5190N 4150W	336.31
667	10820	7-17-28W 2 5190N 5025W	318.40
668	10832; 19354; 24761; 25259	13-16-42W 2 SW SW SW; 13-16-42W 3 985N 3175W; 13-16-42W 5 685N 3175W; 24-16-42W 1 3270N 1668W; 24-16-42W 2 2567N 2791W; 24-16-42W 4 1015N 4335W; 24-16-42W 7 3010N 100W	2130.79
669	10839	31-17-39W 1 2617N 1319W; 31-17-39W 2 2617N 1305W	248.82

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
670	10846; 14308; 40644	11-16-42W 2 4150N 1600W; 11-16-42W 3 2835N 3769W; 2-16-42W 4 2244N 3643W; 3-16-42W 1 3550N 1700W; 3-16-42W 2 5200N 2900W	0.00
673	10896; 10921; 14260; 20664	21-16-34W 11 4776N 2591W; 21-16-34W 2 4900N 2500W; 21-16-34W 3 2780N 2480W; 21-16-34W 4 270N 2570W	1390.54
674	10897	9-15-40W 2 NW SW SE	698.56
675	10926	27-17-31W 2 SW SW SW	0.00
676	10934; 13995; 17920; 25328	34-16-30W 1 2550N 2580W; 34-16-30W 3 3970N 1260W; 34-16-30W 4 2630N 990W; 34-16-30W 5 1550N 3950W; 34-16-30W 6 1400N 5150W	1801.29
677	10943; 25285	7-18-39W 1 4400N 4000W; 7-18-39W 2 2950N 3980W	0.00
678	10956	4-16-41W 1 SW NW NE	591.72
680	10966	6-16-40W 1 4650N 2673W	698.50
681	10968; 16427; 19455; 25021	27-16-29W 1 4290N 4620W; 27-16-29W 2 2145N 1320W; 27-16-29W 3 2635N 2050W; 27-16-29W 4 30N 2410W; 27-16-29W 5 2705N 110W; 28-16-29W 1 2635N 1095W; 28-16-29W 2 2065N 2540W; 28-16-29W 3 1540N 1190W	1183.49
688	11050	32-14-39W 3 1785N 4935W; 32-14-39W 4 1790N 1795W	309.62
690	11063	17-18-33W 1 NC N2 N2 SE	370.02
691	11105; 17302	8-18-31W 1 2490N 2400W; 8-18-31W 2 2320N 3500W	950.10
694	11146; 21474	30-17-33W 1 4100N 2200W; 30-17-33W 6 2760N 2840W	610.33
695	11189	24-16-42W 3 4569N 4675W	0.00
696	11206; 25082	11-16-40W 1 NC W2 SW NE; 11-16-40W 2 SW SW NW; 11-16-40W 3 1500N 2645W; 11-16-40W 4 4475N 1250W	1671.48
697	11209; 20508	17-17-40W 2 3760N 2360W; 17-17-40W 3 2710N 260W; 17-17-40W 4 5190N 4027W	1185.83
698	11219; 14566; 22428	22-14-40W 1 4000N 5200W; 27-14-40W 1 2690N 3920W; 27-14-40W 2 2700N 1440W; 27-14-40W 4 2800N 5270W	2374.26
699	11261	19-19-33W 1 NW SW SW; 19-19-33W 2 SE SW SW	312.67
702	11389	15-16-41W 2 NW NW SE; 15-16-41W 3 NE SW SW	1141.55
703	11392; 12852	1-16-42W 1 4950N 2850W; 1-16-42W 2 2870N 160W	1183.04

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
706	11463; 11464; 18192; 19678	25-16-42W 2 4850N 5115W; 25-16-42W 3 3603N 3014W; 25-16-42W 4 3639N 5157W; 25-16-42W 6 5129N 218W; 25-16-42W 7 4240N 1170W; 25-16-42W 8 5201N 2666W	1563.97
707	11468	36-15-41W 1 1320N 1320W	936.96
708	11499	24-20-33W 9 5150N 130W	0.00
709	11510	27-14-39W 1 2400N 5270W; 27-14-39W 2 1000N 5270W	667.29
710	11513	20-16-39W 1 4040N 5180W	0.00
711	11584; 26264	30-15-38W 2 3956N 2555W; 30-15-38W 5 5160N 1016W	577.28
712	11604	11-17-33W 1 150N 400W	615.66
715	11611; 25515	30-15-38W 3 1170N 5260W; 30-15-38W 4 3000N 4700W; 31-15-38W 1 5240N 2330W; 31-15-38W 3 4020N 4630W	2453.74
719	11692	34-14-39W 2 1348N 5163W; 34-14-39W 3 2610N 4320W; 34-14-39W 4 1905N 4858W	499.04
724	11747; 41806	26-14-40W 1 3090N 4750W	928.40
725	11752	30-16-34W 1 CW NW NE	0.00
727	11795; 16352	3-15-39W 1 4000N 2410W; 3-15-39W 2 2670N 3320W; 3-15-39W 3 950N 3490W; 3-15-39W 5 2630N 4620W; 3-15-39W 6 50N 5200W	670.34
728	11808	21-19-33W 5 4516N 37W	398.23
729	11826	27-20-33W 1 SW NW SE; 27-20-33W 2 NW SW NE; 27-20-33W 3 SE SE SE; 27-20-33W 4 SE CR SE	0.00
730	11849	21-16-39W 1 NW SW NE	397.58
731	11860	12-16-40W 2 SW SW NW	0.00
732	11934; 15514; 19811; 26125	11-18-32W 1 5213N 3705W; 11-18-32W 2 2682N 4795W; 11-18-32W 3 1287N 5102W; 11-18-32W 4 3975N 2639W; 11-18-32W 5 NC S2 SE; 14-18-32W 1 5252N 5315W; 15-18-32W 1 3983N 126W; 2-18-32W 2 41N 637W	1835.83
737	12052	26-16-29W 1 SW SW SW; 26-16-29W 2 SE SW SW	407.77
738	12115; 25212; 30015	2-17-30W 1 3950N 3900W; 2-17-30W 2 5120N 5170W; 2-17-30W 3 4655N 2710W; 35-16-30W 3 2600N 120W; 35-16-30W 4 2420N 2600W	1791.10
740	12213	33-16-33W 1 NE NE NW	0.00

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
743	12259	30-16-34W 2 NC W2 W2 SW	137.17
744	12271; 27579	10-16-41W 1 367N 3149W; 10-16-41W 3 2550N 775W	1204.61
746	12286; 23021	28-16-41W 1 2535N 3500W; 28-16-41W 3 2620N 3150W	0.00
747	12290	12-16-42W 5 2425N 2772W	36.38
748	12300	31-15-38W 2 SE NE SW	564.71
751	12357; 22422	16-16-39W 1 5150N 660W; 16-16-39W 2 3335N 5215W; 16-16-39W 3 2670N 3895W	0.00
753	12412	16-16-40W 4 1674N 2610W	0.00
754	12433	35-16-40W 1 5100N 2250W; 35-16-40W 2 1350N 2400W; 36-16-40W 1 4900N 1700W; 36-16-40W 2 3300N 2050W	0.00
756	12470; 15658; 24768	11-18-30W 1 5115N 4160W; 2-18-30W 3 790N 3930W	622.70
759	12550	31-14-42W 2 3210N 3855W	978.98
762	12650	32-16-33W 1 NW SW NW	0.00
763	12670	2-18-32W 1 5120N 2520W; 35-17-32W 2 720N 2520W	625.48
764	12671; 25424	29-17-31W 2 2515N 3080W; 29-17-31W 4 872N 2485W	1195.25
765	12672	31-17-31W 1 4885N 5200W	625.46
766	12687	4-15-41W 2 1980N 2640W	0.00
773	12927; 24834	35-16-34W 1 1530N 2530W; 35-16-34W 5 1540N 1250W	218.84
774	12933	23-16-32W 2 1400N 4060W; 23-16-32W 3 900N 4250W	0.00
775	12965	28-16-34W 2 200N 5100W	188.47
776	12973	23-15-38W 2 2440N 4700W; 23-15-38W 3 2700N 2900W	0.00
777	12974; 23402	18-18-33W 1 5200N 720W; 18-18-33W 2 5200N 1320W; 18-18-33W 3 5200N 2040W; 18-18-33W 5 4460N 500W	0.00
779	13001	26-16-42W 1 4535N 1670W	0.00
780	13012	33-17-33W 2 5150N 2585W	593.13
781	13013	30-17-33W 2 1330N 1320W	391.65
783	13060; 17681; 23639; 24893	32-16-34W 3 4020N 3480W; 32-16-34W 5 3155N 1980W; 32-16-34W 6 2575N 60W; 32-16-34W 7 2412N 5201W	915.41
784	13081	16-18-33W 4 1970N 2110W; 16-18-33W 5 1910N 4550W	0.00
785	13082	15-18-33W 1 SW SW SW; 15-18-33W 2 140N 70W	0.00
788	13116	36-20-34W 1 1024N 5253W; 36-20-34W 2 8N 4220W	0.00
789	13117; 24852	21-20-33W 3 5020N 5100W; 21-20-33W 9 4850N 3860W	0.00

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
791	13192; 18625; 25100	13-16-34W 4 5180N 5200W; 13-16-34W 5 3960N 5200W; 14-16-34W 1 1635N 1110W	653.01
792	13219	10-17-32W 1 NC W2 E2 NW; 10-17-32W 2 NC W2 NE NW; 10-17-32W 3 NC W2 SE NW	0.00
793	13263; 25399	5-17-30W 1 4524N 1232W; 5-17-30W 3 3153N 2720W; 5-17-30W 4 4429N 5280W	0.00
794	13302; 14170; 17466; 17467	24-16-39W 1 1625N 4310W; 24-16-39W 2 965N 5200W; 24-16-39W 4 695N 3170W	0.00
796	13374	22-14-42W 2 2590N 1605W	1202.41
797	13395-D2	32-15-42W 2 2340N 2590W	0.00
798	13395-D1	32-15-42W 1 3300N 2680W	0.00
799	13397	35-15-42W 1 1200N 1320W	0.00
802	13483	18-19-32W 2 3300N 2500W	0.00
803	13530	19-17-39W 1 2550N 2400W	605.40
805	13601; 24056	32-14-42W 1 CS SE; 32-14-42W 4 2114N 2345W	1430.25
808	13715	33-15-38W 2 5120N 5120W	404.10
810	13738; 13748; 23759	16-18-32W 1 100N 5200W; 16-18-32W 2 3640N 3640W; 16-18-32W 3 4460N 4010W; 16-18-32W 4 4690N 3400W	0.00
811	13742	28-17-29W 1 SE SW SE	562.77
814	13761	30-17-33W 3 NW NW SW	463.29
815	13780	22-16-29W 4 95N 3247W; 22-16-29W 5 117N 4449W	2.92
817	13790; 13791; 13792	34-15-41W 1 1320N 3960W; 34-15-41W 2 2580N 5200W	849.96
820	13823	11-15-39W 4 160N 2520W	0.00
822	13863	12-17-40W 1 2660N 2590W	0.00
823	13873; 25258	16-15-40W 1 1300N 2630W; 16-15-40W 3 1310N 3940W	1645.70
824	13883	20-16-34W 2 NC W2 W2 NW; 20-16-34W 3 CW SW NW SW	1005.28
826	13935	33-17-33W 3 2625N 3538W	0.00
827	13955; 21849	27-16-42W 1 4040N 5000W; 27-16-42W 2 5140N 1828W	1033.17
828	13968	35-15-38W 2 SW SW SW	305.21
830	13979; 21941	21-15-39W 2 3780N 2760W; 21-15-39W 3 1680N 5080W	773.10
831	13980	18-14-41W 1 748N 2660W	1411.25
832	13996; 22139	26-16-30W 1 2840N 2690W; 26-16-30W 2 3040N 4620W	952.47

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
833	13997; 17923	8-17-29W 2 3960N 3960W; 8-17-29W 3 2800N 2700W	566.62
834	13998; 22140	14-17-31W 1 50N 4190W; 23-17-31W 1 4075N 3645W; 23-17-31W 2 2640N 3950W	752.95
836	14030	22-17-33W 1 2910N 1971W; 22-17-33W 2 115N 1515W; 23-17-33W 1 1170N 5065W; 23-17-33W 3 1062N 5065W	1104.16
837	14078	36-17-32W 6 2552N 800W	272.06
838	14152	10-17-28W 1 SW SW SE; 10-17-28W 2 SE SW SE	537.69
839	14160	30-18-34W 2 2800N 550W	0.00
840	14205	24-15-41W 1 1320N 2590W	519.62
841	14214; 14215; 20422	12-14-42W 1 2705N 5225W; 12-14-42W 2 1055N 2705W; 12-14-42W 3 690N 840W; 12-14-42W 4 399N 840W	1142.66
842	14219; 25048	2-14-42W 1 5096N 1228W; 2-14-42W 4 4213N 2348W	1780.69
846	14264	1-14-43W 1 2540N 1175W	899.58
847	14317	21-16-39W 2 NC N2 NW	685.15
850	14483	18-18-32W 12 4899N 2674W; 18-18-32W 9 4286N 3640W	212.84
851	14515; 17846	30-17-34W 1 NC; 30-17-34W 2 NC N2; 30-17-34W 3 NC NE	1432.90
856	14743	10-14-42W 1 5200N 2740W	519.71
857	14814; 22111; 26023	1-18-30W 5 3940N 3995W; 2-18-30W 1 5260N 60W; 2-18-30W 4 3950N 1680W; 35-17-30W 1 910N 4030W; 35-17-30W 2 280N 1855W	2174.09
858	14832	23-15-40W 1 1197N 3843W; 23-15-40W 2 4821N 4750W; 26-15-40W 1 4580N 3310W; 26-15-40W 2 2613N 3938W; 35-15-40W 1 5205N 5127W	2730.77
860	14910	11-17-40W 1 30N 2650W	525.85
861	14958-D1; 21115	20-14-41W 1 2605N 3715W; 21-14-41W 2 1190N 5215W; 21-14-41W 4 4905N 5225W	1995.17
865	15066	14-15-40W 1 800N 5200W	599.52
866	15083; 25463	15-14-42W 1 1000N 2570W; 15-14-42W 2 5220N 5065W	2638.79
867	15160	20-15-40W 2 3900N 3960W	668.47
868	15170	25-17-39W 1 5200N 100W	543.70
869	15219	30-13-42W 1 SE SW NE	404.08
870	15260; 23911	19-16-39W 1 5210N 3530W; 19-16-39W 2 5210N 5215W	0.00

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
871	15298	13-17-32W 1 1850N 4610W; 14-17-32W 1 850N 890W	835.80
872	15335	36-14-43W 1 3100N 1100W; 36-14-43W 2 3760N 939W	986.93
873	15346	28-14-40W 1 SW SW NE; 28-14-40W 4 2690N 2600W	258.06
875	15393; 18117	26-16-40W 1 3310N 3970W; 26-16-40W 2 3650N 2620W; 26-16-40W 3 3600N 110W	815.62
878	15478	18-16-41W 1 NW NW NE	0.00
879	15501	8-16-41W 1 SE NW NW	1038.17
881	15542	25-14-43W 2 4175N 1853W	1301.20
882	15557	1-18-39W 2 5200N 700W	314.13
883	15576; 26812	13-17-33W 2 4015N 80W; 13-17-33W 3 65N 65W	1321.62
884	15649	34-18-33W 5 3496N 985W	410.07
885	15676; 25320	20-16-33W 1 3500N 4300W; 20-16-33W 3 3960N 990W	0.00
887	15779; 20313	21-14-40W 1 2740N 3100W; 21-14-40W 3 2740N 5180W; 21-14-40W 5 400N 2514W	0.00
888	15810	20-17-31W 1 4500N 2540W	449.35
889	15830	24-18-33W 6 2700N 2950W	535.37
890	15874	34-17-31W 4 1300N 5200W	851.38
892	15910; 24483	20-14-41W 2 2690N 5180W; 20-14-41W 3 2690N 1865W	843.10
893	15940; 22711; 28130	17-18-32W 1 5200N 1650W; 17-18-32W 4 5200N 3650W; 8-18-32W 2 2050N 2550W	162.86
894	15941	17-18-32W 3 2300N 3200W	566.30
895	15942	35-18-33W 1 5136N 571W	0.00
896	15962; 25152	19-17-31W 1 1161N 2706W	582.46
899	16074; 25255	29-15-38W 3 5150N 3800W; 29-15-38W 4 2550N 5200W; 29-15-38W 5 100N 5200W	504.39
901	16127	6-14-42W 1 3100N 5250W	716.62
902	16139; 18920; 26378; 31348	13-14-43W 1 4050N 1450W; 18-14-42W 1 5100N 5150W; 18-14-42W 3 2700N 1950W	2808.02
903	16149	3-17-29W 1 1305N 1060W	0.00
904	16172; 16392; 25973	24-16-39W 3 5000N 2500W; 24-16-39W 6 2950N 475W	0.00
905	16201; 24815	5-15-42W 1 5162N 2700W; 5-15-42W 2 5184N 100W	0.00
906	16220	19-14-42W 2 70N 1376W	765.66

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
911	16337	2-17-39W 1 NE; 2-17-39W 2 NE	915.87
912	16340; 19316	2-18-31W 1 4660N 3769W; 2-18-31W 2 5210N 2690W;	0.00
		2-18-31W 4 4590N 4720W	
914	16367	21-20-33W 1 SW NW NE; 21-20-33W 10 4700N 1570W;	342.95
		21-20-33W 6 4918N 534W	
915	16387	19-16-33W 3 SW NW NW	0.00
916	16389	26-20-33W 4 3960N 2350W	0.00
918	16402	14-14-41W 1 610N 5230W	1018.79
919	16403; 22568; 24264	9-14-41W 1 85N 5197W; 9-14-41W 2 2642N 5249W;	3080.49
		9-14-41W 4 1428N 5217W	
921	16417	36-19-33W 3 3460N 3670W	427.02
923	16484	2-18-30W 2 3645N 3790W	144.89
925	16523; 22828; 28166	22-17-32W 2 90N 3900W; 22-17-32W 3 4765N 5070W	591.72
927	16643	31-15-40W 3 4490N 2550W	586.12
928	16644	36-15-41W 2 NW NW NW	583.74
929	16661	1-18-32W 1 SW SW SE	485.61
931	16866	32-19-32W 1 4000N 2540W	238.50
932	16681; 16682; 18339	29-14-41W 1 4010N 4455W; 29-14-41W 2 60N 3795W;	2637.39
		29-14-41W 3 2605N 1980W; 30-14-41W 2 60N 990W	
934	16800	29-17-34W 1 NW SW NE; 29-17-34W 2 NW NW SE	1366.47
936	16961; 17478; 18350; 23108	16-17-32W 1 130N 5120W; 16-17-32W 2 5180N 3880W;	3698.81
		16-17-32W 3 5200N 5200W; 16-17-32W 4 130N 3820W;	
		17-17-32W 1 120N 1330W; 17-17-32W 2 1280N 2850W;	
		9-17-32W 1 1320N 2590W; 9-17-32W 3 200N 2600W	
938	16971	10-18-33W 1 4100N 1980W; 10-18-33W 2 5180N 1300W;	732.05
		11-18-33W 2 SW SE SE; 11-18-33W 3 SW SW SE;	
		11-18-33W 6 5105N 2093W	
939	17027	35-14-41W 2 NW SW SE	444.08
940	17074	15-17-28W 3 4040N 5200W	224.09
943	17201; 23818; 25097	16-17-34W 4 1700N 4190W; 16-17-34W 8 3584N 5140W;	567.98
		17-17-34W 1 1040N 190W; 17-17-34W 2 1025N 605W;	
		17-17-34W 4 5080N 1255W	

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
945	17292; 25081	17-16-40W 6 1010N 1250W; 17-16-40W 7 2225N 255W	195.72
946	17309	26-17-28W 1 5210N 2420W	337.90
948	17401	31-15-39W 3 5115N 2740W	0.00
950	17539	9-18-33W 2 420N 2300W; 9-18-33W 3 2580N 1900W	0.00
954	17645	19-17-32W 1 580N 1960W	458.75
955	17690	35-17-33W 1 4940N 3030W; 35-17-33W 2 4120N 5200W	581.81
956	17715	29-19-33W 1 2270N 5150W; 29-19-33W 3 1400N 4110W;	109.98
		29-19-33W 6 980N 650W	
957	17745	35-17-34W 1 5220N 1320W; 35-17-34W 2 5220N 3230W;	1483.96
		35-17-34W 3 2690N 1320W; 35-17-34W 4 4010N 2740W	
958	17776	5-15-40W 1 2600N 810W	1003.51
961	18006	2-14-42W 3 4725N 5250W	0.00
965	18254	19-17-39W 2 1589N 4448W	0.00
970	18364	9-17-28W 1 1980N 5236W; 9-17-28W 2 2552N 5236W	416.20
974	18559	18-18-28W 5 5100N 4610W; 18-18-28W 6 3980N 5160W;	1460.83
		18-18-28W 7 3930N 5160W	
975	18605	22-16-40W 1 4280N 800W	0.00
979	18851	10-18-41W 1 5150N 1440W	0.00
980	18909	19-18-32W 6 680N 3000W	95.65
981	18918	14-15-40W 2 1360N 1320W	810.02
982	19034	12-16-34W 2 SW NW SW	204.14
984	19211	2-15-40W 2 2640N 4490W	426.22
985	19212	34-14-40W 3 1320N 1350W	563.65
986	19287	36-14-41W 1 1956N 2700W	679.13
989	19507	22-17-30W 1 3895N 1385W; 22-17-30W 2 2110N 2175W	0.00
990	19638	10-15-40W 1 1625N 4150W	731.12
991	19661	26-17-28W 2 5150N 4020W	0.00
992	19662	27-17-28W 1 5050N 5050W	315.80
993	19698	3-17-29W 2 2630N 3500W	546.00
994	19851	29-14-39W 1 642N 1630W	376.13
996	19986	36-15-41W 3 83N 5188W	537.00
997	20025	10-18-31W 1 NW NW SE	342.97

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
1000	20200	26-15-39W 3 2625N 5215W	613.57
1001	20373	2-15-42W 2 5214N 2079W	0.00
1003	20610	27-15-39W 1 5213N 3588W	431.07
1006	20904	28-15-39W 2 4800N 1320W	473.54
1008	21053	24-15-39W 2 2560N 5220W	0.00
1009	21054	22-15-39W 3 4200N 5250W	407.14
1010	21208; 25576	13-17-32W 2 2733N 2738W; 13-17-32W 3 3986N 4137W; 13-17-32W 7 4050N 3974W	337.53
1011	21334	7-18-28W 2 3600N 1780W	315.02
1012	21352; 23947	8-18-28W 1 4807N 4043W; 8-18-28W 2 4213N 5220W; 8-18-28W 3 5276N 41W; 8-18-28W 4 5271N 3663W	794.21
1013	21358	34-17-29W 1 4490N 4490W	632.79
1014	21364	6-15-40W 1 3960N 1360W	728.85
1015	21382	31-14-40W 1 1390N 1260W; 31-14-40W 2 3960N 1320W; 31-14-40W 3 1370N 3900W	1863.44
1016	21395; 36706	13-14-42W 2 1750N 180W; 13-14-42W 3 3990N 850W	1805.45
1018	21515	11-15-41W 1 1380N 1365W	129.32
1019	21520; 21815; 25577	4-17-31W 1 5200N 5180W; 4-17-31W 2 2740N 70W; 4-17-31W 3 90N 2640W; 4-17-31W 4 2670N 5190W; 4-17-31W 7 1320N 1585W; 4-17-31W 8 615N 595W; 4-17-31W 9 4900N 100W	3626.56
1020	21591	4-14-42W 1 4380N 5200W	523.15
1021	21615	21-14-41W 3 3320N 2550W	617.88
1022	21637	19-16-34W 1 653N 5075W	0.00
1023	21647	10-15-40W 2 4437N 5210W	797.57
1024	21668	10-15-41W 3 2620N 50W	0.00
1025	21724	1-14-42W 1 2475N 3836W	1263.40
1027	21813; 34880	22-18-33W 2 CW SW NW; 22-18-33W 3 1050N 1360W; 22-18-33W 4 3341N 2619W	520.87
1028	21889	17-14-42W 1 4596N 5160W	1172.90
1029	22018	16-15-40W 2 3956N 3360W	922.35
1030	22056	25-17-28W 3 2609N 3673W; 25-17-28W 5 2605N 1136W	0.00

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
1031	22135	30-13-42W 2 SW SW SE	1398.47
1032	22171; 23210	31-14-41W 1 3775N 100W; 31-14-41W 2 2590N 2730W	583.67
1033	22430	15-16-34W 4 3742N 5150W	130.87
1039	22888	7-18-34W 4 2400N 2235W; 7-18-34W 5 1620N 1680W	603.24
1041	23075-D2	17-17-28W 5 2640N 2570W	0.00
1042	23075-D1	17-17-28W 3 2640N 3920W; 17-17-28W 4 2640N 5215W	909.51
1044	23128; 26701	14-16-39W 1 5224N 3390W; 14-16-39W 3 1727N 2680W	864.61
1045	23149	7-15-42W 1 5162N 2767W	0.00
1046	23159	24-14-41W 1 2550N 1320W; 24-14-41W 2 1298N 1320W	0.00
1047	23173	28-13-42W 1 35N 3315W	215.94
1049	23226	21-14-40W 4 100N 5060W	0.00
1050	23281	36-14-41W 2 4480N 2670W	0.00
1052	23339	34-15-40W 1 1350N 2610W	473.31
1054	23435	3-14-42W 2 5200N 3100W; 34-13-42W 1 1670N 2730W	2293.64
1056	23578	5-16-40W 1 4685N 3365W	776.79
1057	23717	12-17-31W 1 5250N 80W; 12-17-31W 2 5240N 1320W	589.74
1058	23726	21-15-38W 6 100N 5170W	0.00
1059	23781	19-17-32W 2 2990N 265W; 19-17-32W 6 2809N 541W;	474.42
		19-17-32W 7 2975N 156W	
1060	23843	24-16-42W 5 1502N 1638W	676.70
1061	23846	32-14-40W 1 1597N 2613W	917.70
1066	24039; 24892	17-16-34W 5 60N 1265W; 17-16-34W 7 1037N 1255W	500.69
1068	24205	24-16-33W 1 1214N 1505W; 25-16-33W 5 5227N 1425W;	0.00
		25-16-33W 6 2620N 555W	
1069	24263	14-14-41W 2 1391N 5245W	0.00
1070	24304	16-20-33W 2 4615N 5200W; 16-20-33W 3 2590N 4800W;	202.84
		16-20-33W 5 3715N 4800W	
1072	24343	10-15-40W 3 1300N 720W	411.64
1073	24543	25-17-31W 1 3220N 4660W; 25-17-31W 2 4760N 5200W	348.28
1074	24567	36-15-40W 1 184N 2500W	629.33
1075	24581; 25209	28-16-30W 1 5100N 2550W; 28-16-30W 2 3960N 2550W	609.11

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
1078	24845	31-18-34W 1 NC W2; 31-18-34W 3 3350N 2390W; 31-18-34W 5 4000N 3000W; 31-18-34W 6 4000N 5180W; 31-18-34W 8 3950N 4000W	0.00
1079	24884	24-18-34W 1 510N 4805W; 24-18-34W 3 925N 2640W;	0.00
1080	24885	25-18-34W 1 4885N 2640W; 25-18-34W 2 4025N 4375W 21-18-33W 1 1120N 5175W; 28-18-33W 1 5015N 5150W	313.24
1081	24891	17-20-33W 8 1340N 1325W	0.00
1082	24956	9-18-33W 4 5070N 200W	0.00
1084	25096	21-18-32W 4 3300N 5225W	283.38
1087	25135	15-15-39W 2 640N 3985W	245.28
1089	25199	5-17-29W 1 3135N 215W	353.86
1090	25200	24-16-30W 3 560N 2590W; 24-16-30W 4 760N 1215W	0.00
1091	25210	7-17-30W 1 4490N 3955W; 7-17-30W 2 4240N 2920W	362.72
1092	25211	31-16-30W 1 2600N 3830W; 31-16-30W 2 165N 3895W	460.77
1094	25278	14-18-33W 7 1800N 2750W; 14-18-33W 9 1460N 4100W	213.73
1095	25291	16-14-42W 2 2850N 460W	1334.66
1096	25319	12-20-34W 2 NW CR SW; 12-20-34W 6 1570N 4090W	321.71
1097	25350	12-16-40W 4 1291N 4110W	320.19
1098	25367	32-18-32W 2 330N 5100W	538.18
1099	25368	6-16-39W 1 3843N 1423W; 6-16-39W 2 3404N 60W	552.53
1100	25370	6-16-39W 3 2500N 2631W	431.80
1101	25372	22-14-40W 3 2680N 1320W; 22-14-40W 4 100N 1320W	428.86
1102	25382	6-17-30W 1 4355N 2440W; 6-17-30W 2 4180N 5085W; 6-17-30W 3 1765N 5085W; 6-17-30W 4 2755N 2440W	1327.15
1103	25403	28-17-33W 1 990N 3060W; 28-17-33W 2 365N 5150W	381.93
1104	25422	7-14-42W 1 5214N 3310W	1298.19
1105	25471	32-17-30W 1 4601N 1310W	926.92
1106	25472	5-18-30W 1 4062N 1423W	335.83
1107	25567	29-17-39W 1 3820N 1215W	0.00
1108	25572	4-14-42W 2 3290N 2480W	421.90
1109	25609	18-18-32W 8 3530N 3400W	0.00
1110	25631	5-18-30W 4 3830N 5220W	449.21

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
1111	25633	32-14-41W 1 5180N 660W	53.91
1112	25743	12-17-40W 2 4095N 4414W	0.00
1113	25838	8-15-41W 3 5110N 2620W	718.24
1115	26006; 29606	1-17-30W 4 5200N 2570W; 31-16-29W 1 50N 3335W	445.66
1116	26063	8-15-40W 1 100N 4720W	1037.23
1117	26196	20-17-32W 8 1340N 5210W; 29-17-32W 2 4530N 5240W	1168.77
1119	26261	30-20-32W 3 3753N 2749W	529.04
1120	26268	33-16-30W 1 4160N 5200W; 33-16-30W 2 2080N 3620W	324.89
1121	26284	2-15-40W 3 5190N 1695W; 2-15-40W 4 1340N 1605W	996.14
1123	26486	28-15-39W 3 1987N 791W	319.00
1125	26539	4-15-40W 2 2125N 60W	514.18
1126	26540	4-15-40W 3 2530N 1742W	576.02
1127	26677	6-18-29W 3 3150N 4436W	117.07
1128	26761	19-17-32W 3 3875N 2680W; 19-17-32W 4 635N 4155W; 19-17-32W 5 3725N 2680W	1103.66
1129	27048	25-20-33W 3 4340N 125W	842.41
1130	27054	36-16-31W 4 200N 5140W; 36-16-31W 5 2590N 4090W	345.93
1131	27060-A	28-14-40W 2 2675N 5170W; 28-14-40W 3 65N 4255W	1211.17
1134	27395	25-14-42W 3 5227N 4612W	745.11
1135	27486	9-18-30W 1 3640N 1274W; 9-18-30W 2 2464N 2518W	0.00
1136	27764	23-17-34W 1 8N 4655W	70.43
1137	28100	32-14-40W 2 4481N 4486W	0.00
1139	28295	13-16-41W 1 4113N 2284W; 14-16-41W 2 2750N 959W; 14-16-41W 3 2720N 2250W	1031.38
1140	28296	1-16-41W 1 4470N 1030W	837.64
1142	28492	11-16-41W 1 869N 5240W	471.05
1143	28617	11-16-34W 2 80N 2590W	0.00
1144	28855	15-15-40W 1 2150N 1500W	711.60
1145	28870; 39612	11-16-39W 1 5205N 1620W; 11-16-39W 2 2655N 50W; 11-16-39W 3 5106N 1580W; 14-16-39W 4 3290N 1100W; 14-16-39W 6 2934N 1208W	533.40
1148	29604	1-17-30W 1 2650N 5180W; 1-17-30W 2 3990N 3990W	374.20

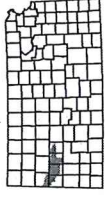
Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
1149	29967	14-17-33W 1 3740N 2230W	1031.51
1152	30722	1-15-41W 2 1380N 3865W; 11-15-41W 3 3956N 1334W	728.26
1156	32142	27-15-39W 2 4140N 1470W; 27-15-39W 3 1260N 1360W	913.08
1157	32478	27-15-39W 4 2610N 4324W	486.36
1158	32546	4-19-32W 1 4974N 5180W; 4-19-32W 2 4099N 5200W	220.65
1159	32795	21-17-32W 2 2495N 1230W	0.00
1160	33134	34-16-31W 2 2205N 2740W	894.87
1161	33160; 33506	21-19-32W 1 80N 520W; 21-19-32W 2 3800N 250W	807.65
1163	33419	6-15-40W 3 3955N 3945W	409.81
1166	33908	36-16-30W 3 2765N 2575W	156.97
1167	34070	7-17-32W 2 3830N 1320W	561.34
1169	34497; 34498	18-16-41W 4 2620N 95W; 18-16-41W 5 1350N 2760W; 18-16-41W 6 2620N 145W; 18-16-41W 7 75N 2753W	583.98
1170	34504	32-17-31W 1 4903N 3155W	394.99
1172	34517	18-15-38W 2 350N 5200W	0.00
1173	34537; 34538; 34539; 34540	31-17-27W 1 5176N 2564W; 32-17-27W 1 3879N 3303W; 32-17-27W 2 5207N 2837W; 32-17-27W 3 5208N 4037W	0.00
1174	34622	26-18-34W 2 4370N 4450W	0.00
1175	34631	36-16-32W 3 3560N 4080W	0.00
1178	10446-D1; 10446-D2; 34734; 34736; 34737; 34738	29-18-34W 3 1500N 3590W; 29-18-34W 5 1430N 2500W; 29-18-34W 6 750N 5100W; 29-18-34W 7 1450N 1800W; 30-18-34W 1 200N 1075W; 32-18-34W 2 5045N 4325W	0.00
1179	36096; 36098	23-15-41W 2 1760N 40W; 23-15-41W 4 100N 2730W	1021.64
1180	36808	13-18-33W 6 3903N 80W	197.14
1182	37759	7-18-30W 1 1524N 5041W	0.00
1188	38795	22-15-40W 2 2680N 1480W	565.57
1189	39211	9-16-41W 1 2800N 150W	810.67
1190	39387	36-17-32W 5 4056N 5245W	0.00
1191	39798	32-17-28W 4 2940N 5245W	145.29
1192	39818	33-17-27W 1 4119N 4707W	0.00
1196	41406	25-16-33W 9 600N 3350W	2.20

Group No.	File Numbers	Points of Diversion	5-Year LEMA Allocation, AF
1219	42556; 42715	14-18-31W 2 4095N 5220W; 14-18-31W 3 3750N 5088W; 14-18-31W 4 3858N 5054W; 14-18-31W 5 3728N 4854W	1242.44
1220	43197; 43198; 43199	16-19-32W 2 4345N 1920W; 16-19-32W 3 2740N 4105W; 16-19-32W 4 4280N 1940W; 16-19-32W 5 4410N 1900W; 16-19-32W 6 2815N 4180W; 16-19-32W 7 2665N 4030W; 17-19-32W 1 4040N 1398W; 17-19-32W 2 4258N 1416W; 17-19-32W 3 3822N 1380W	353.25
1223	14683-D1; 14683-D2; 14683-D3; 14683-D4; 14683-D5	28-17-31W 1 190N 1720W; 33-17-31W 1 5150N 2550W; 34-17-31W 1 5000N 2540W; 34-17-31W 2 3380N 3300W; 34-17-31W 3 1980N 2310W	1936.19
1227	6622-D1; 6622-D2; 17880-D1; 17880-D2	18-18-28W 3 2360N 2580W; 18-18-28W 4 3100N 2580W	892.62
1229	44773	24-18-33W 9 3452N 2902W	33.92
1231	11045-D2	3-18-32W 1 2300N 3840W	0.00
1233	20636-D1	10-16-41W 2 5210N 3860W	776.78
1239	15997-D1	1-15-41W 1 4650N 2650W	837.55
1240	15997-D2	2-15-41W 1 5208N 592W	333.39
1243	23956	30-20-32W 2 796N 1371W	969.68
1244	10808; 31852	29-14-40W 1 NE NW NE; 29-14-40W 2 2600N 1730W	411.86
Total			471,391.76

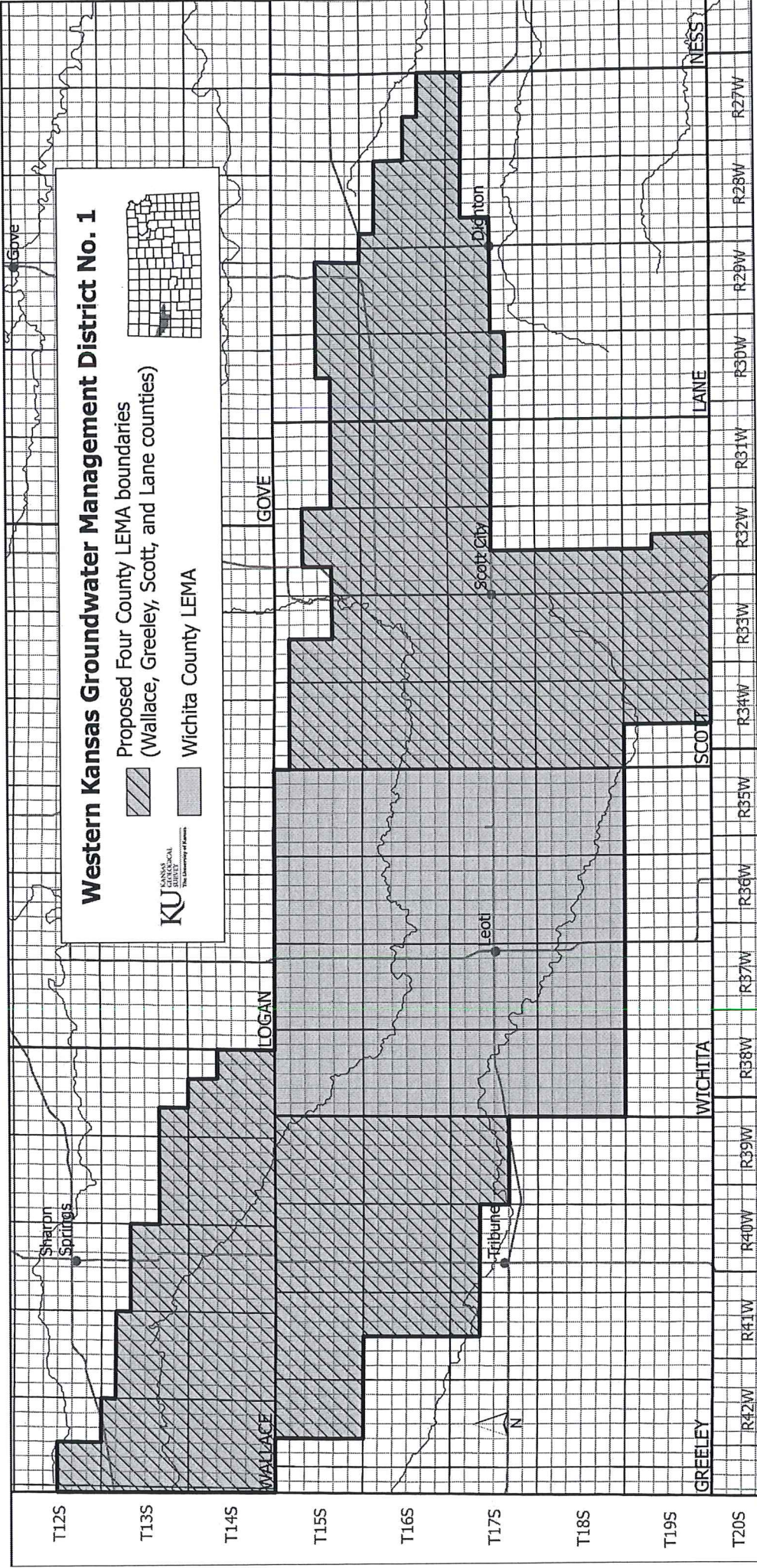
Attachment B – Map with Proposed Boundary

Western Kansas Groundwater Management District No. 1

Proposed Four County LEMA boundaries
(Wallace, Greeley, Scott, and Lane counties)



Wichita County LEMA



Attachment C – Method to Develop Allocations and Demonstration that the LEMA’s
Corrective Controls Will Meet Stated Goal

Attachment C – Method to Develop Allocations and Demonstration that the LEMA’s Corrective Controls will meet Stated Goal

The stated goal of the FCL is to limit irrigation water use under Appropriation Rights within the proposed geographic boundaries to 472,000 AF for the LEMA period. This stated goal is the sum of the allocations provided to irrigation Appropriation Rights before appeals. This document will summarize the process used by the Board to develop the allocations provided to these rights under the LEMA Plan and comment on the expected effectiveness of the LEMA’s corrective controls to reach this goal.

LEMA Allocation Development

Overview: After exploring a host of options, the Board decided on an allocation method that makes reduction based on 2011-2020 historic average usage, with larger reductions in water use for larger water use and lesser reductions in water use for smaller water use. The required reductions in water use are determined based on the average inches applied for each Water Right Group during 2011-2020 as applied to the total authorized acres of Water Right Group. Years of no Water Right Group use are excluded from averaging. When less than 3 inches per authorized acres was applied in 2011-2020, no reduction is required; where more than 12 inches per authorized acres were applied, a 25% reduction is required from historic use; in between 3 and 12 inches, the required reduction is based on a sliding scale between these values.

Process - GMD 1’s staff and consultant worked closely with DWR to develop as accurate a set of allocations as possible. While DWR proofed all reported water use, upon which the allocations are based, part of the Board’s appeal process will allow stakeholders to provide the Board with additional water use information which should be considered.

The Board requested DWR provide water use data from its WRIS database for all water rights within the boundary of the District within the four counties outside of Wichita County, for the 2011-2020 period, based on its determination of Water Right Groups.

Based on DWR’s data, the Board reviewed a number of allocation methods for irrigation water rights for total water savings and the effect on water right groups and selected its allocation method summarized above.

The Board determined that years of no use within a Water Right Group will be excluded from the determination of the inches applied per authorized acre and the average water use used as a basis of allocations.

The Board requested DWR review water use data acquired via WRIS against the actual water use records at DWR and make corrections to the District’s data compilation.

The Board and DWR worked together to review and refine the base data and allocations to deal with a range of special conditions including:

- Water Right Groups with both Vested Rights and Appropriation Rights. For each Groups, stakeholders may operate the vested rights pursuant to the Chief Engineer’s order establishing the rights including any approved water right changes, and the Appropriation Rights of the Water Right Group are granted an allocation consistent with the allocations provided to others.
- Multi-use water rights - For water rights which allow for irrigation use and other uses (typically stock water use) under a single water right, Water Right Group allocations for irrigation use have been established based on Historic Usage and the allocation methods provided herein.

- Water right conditions required under K.A.R. 5-5-11 (place of use rotations/expanded place of use with 5-year allocations and GMD monitoring). For water rights with conditions including existing 5-year allocations as a result of approved place of use expansions under K.A.R. 5-5-11, preserving the flexibilities provided therein as long as the FCL Allocations are not exceeded for such water rights, the allocations were determined as other the water rights except that the authorized acres for purposes of determining the required reduction from historic water use is assumed to be the “Base Acres” determined by DWR.

Demonstration that the LEMA’s corrective controls will meet stated goal

The “corrective controls” to be put in effect under the LEMA principally relate to the 5-year allocations assigned to Appropriation Rights for irrigation use by Water Right Group. The sum of the 5-year allocations these water rights is 472,000 AF for the 5-year period. This represents a reduction in excess of 10% of the 2011-2020 actual use for the non-vested, irrigation use.

While it is expected that total FCL allocations will be increased as a result of the Board’s appeal process, it is not possible to project how much allocation will be increased as a result of the appeal process, nor how much water use will increase as a result of the increase in allocations (as not all increases in allocation will result in increased use).

The number of appeals under the Wichita County LEMA was less than expected. The Board will require stakeholders to provide evidence to support its appeals and will apply corrections to the water use records to only those years in which conservation is demonstrated.

While the Board cannot at this time determine the terms of a future LEMA, it is this Board’s desire, as is the case with the WCL, GMD 4 LEMAs and other multi-year allocation tools like MYFAs, that carry-over of unused allocation from one LEMA period to another be allowed to encourage water conservation, thus reducing the effects of allocation increases.

Past results from multi-year allocation programs such as LEMAs and WCAs have shown most participants typically use less than allocated when enrolled in flexible allocation plans. See David Barfield, DIV. OF WATER RES., 2020 Report on Implementing Legislative Tools to Extend the Life of the Ogallala Aquifer (Jan. 2020) (noting the Sheridan LEMA achieved water use savings of 32%, over the planned 20%). Additionally, given the strong public support for extended the life of the Ogallala-High Plains Aquifer—and the strong support for this LEMA—it is a fair assumption that stakeholders in the District will continue efforts to reduce their irrigation water use, and thus these voluntary actions will assist in meeting the FCL goals.

Finally, the FCL Allocations are based on the Historical Usage from 2011-2020. With declining water levels, pumping rates have and are declining for most as well. This will lead to reduced water use by stakeholders of the FCL.

Ultimately, while the amount of additional water to be allocated via the appeal process is unknown, the Board asserts that it is reasonable to assume the significant counterbalances noted above will more than outweigh the additional water use that might occur under the appeal process.

Attachment D – Memorandum on Public Outreach

Summary of the Public Outreach Conducted by the GMD 1 for the Proposed Four County LEMA

June 26th, 2022

Document purpose: K.A.R. 5-19-2 related to Local Enhanced Management Area (LEMA) plans, requires the following: “a separate memorandum containing a summary of the public outreach conducted by the GMD before recommending the LEMA plan for approval shall be submitted simultaneously with the LEMA plan and shall include a description of any changes made to the LEMA plan due to any public comments.” This memorandum is responsive to this requirement.

Introduction and Pre-Four County LEMA Public Engagement

Since shortly after the first LEMA was approved during 2013, the Western Kansas GMD No. 1 (GMD1) has been involved in engaging its public about the use of this tool to address the long-term declines of the Ogallala Aquifer within its boundaries.

Important public outreach before the development of the current Four County LEMA (FCL) proposal include:

- During 2013-2014 the Board developed a district-wide LEMA Proposal after two rounds of public meetings and ultimately took the proposal to a public vote. While the vote was short of the two-thirds majority supporting the proposal, the Board continued LEMA discussions. The process and public engagement was informative and assisted with subsequent LEMA development. Specifically, it became evident that a robust appeals process was preferred which was written into the Wichita County LEMA and the Proposed FCL LEMA Plan.
- Beginning in 2018, after the development of the Wichita County Water Conservation Area (WC WCA), in part at the urging of members of the steering committee for the WC WCA, the Board renewed its effort to develop a “district-wide LEMA”. The LEMA proposal was discussed at most Board meetings of this period as well as at several annual meetings. Ultimately, the Board decided to move forward with a LEMA only in Wichita County as the need was the most urgent in this county, and there was already significant public engagement and support through the WCA process as well as the Board’s LEMA process.

Public Engagement During the Development of the Proposed Four County LEMA

As the Wichita County LEMA hearing process was reaching its conclusion, the GMD 1 Board renewed its focus on developing a LEMA or LEMAs for the rest of the District. Public engagement has taken many forms during the development period of the Four County LEMA including:

- Discussion at most of its Board meetings from October 2020 to current, all open to the public participation via Zoom or in-person (except when restricted by COVID). These meetings have been noticed on GMD 1’s web site and by email for those who have

requested they be noticed of all Board Meetings. Most meetings over the last year have included valuable participation in LEMA discussion by non-Board members including both irrigation and non-irrigation interests, particularly over the final months of the Plan's development.

- Throughout the FCL LEMA development period, the Board of Directors has been diligent in engaging with respective constituents regarding the proposed LEMA and associated methodology. This has resulted in changes to the proposed LEMA, as noted later in the memorandum.
- During late 2020, the GMD 1 Board began work with Dr. Nathan Hendricks of KSU to design a survey focused on determining the level of support within the District for developing a LEMA. This included a request for the individual's preference on groundwater reductions and proposed methodologies for establishing allocations. During the spring of 2021, the survey was sent to 832 individuals, all of whom were water use correspondents or water right owners on record with KDA-DWR at the time of mailing. After his analysis, Dr. Hendrick's presented his findings to the Board as well as at the 2021 annual meeting. The survey indicated significant support for a LEMA where allocations implemented reductions of approximately 10-15%.
- The District has a newsletter, "The Water Line" that will provide correspondence with all District landowners on a quarterly basis to provide the latest District news and information. There will also be a monthly newsletter available via the District's website on a monthly basis. The last physical newsletter was sent out in April of 2022. This issue encouraged landowners and water right correspondents to reach out to the District regarding the proposed LEMA and to obtain their draft LEMA allocation.
- The District maintains a website that can be accessed at www.GMD1.org. This website also serves as a repository for informational materials including past LEMA presentations and meeting materials.
- The District sent notice of its annual meeting to its mailing list, noticing the planned LEMA discussions.
- At the 2021 Annual meeting, delayed due to COVID to August 11, 2021, the District provided a presentation on its considerations related to additional LEMAs (Appendixes) as well as handouts of the proposed attributes of a LEMA plan for the rest of the District (Appendixes).
- At the 2022 Annual meeting on Feb. 23, 2022, the District again provided a presentation on its LEMA considerations, again including handouts to summarize the proposed attributes of the LEMA. In addition, in response to comments from the 2021 annual meeting, at the meeting those attending who had an interest in a water right were provided with a draft LEMA allocation report for their water rights group(s) to understand the effect of the proposed LEMA's corrective controls (allocations) on their particular water right(s). These were also provided to those calling to request them after the meeting. The presentation was posted on GMD 1's website.
- In May of 2022, the Board held three Public Outreach Meetings: in Wallace, Scott and Lane Counties. These meetings were noticed in several newspapers that service the GMD1 area. Additionally, a letter was sent out to all landowners on file indicating the

meeting times and locations and that the proposed LEMA would be the primary topic of discussion.

- Over the past several months District staff has been contacted via email, phone, or in person visits by hundreds of constituents interested in retrieving their draft LEMA allocation or learning more about the proposed LEMA.

Changes to the LEMA Proposal Made in Response to Public Comments

It is difficult to fully enumerate specific changes to the LEMA Plan made from public comment due to the significant level of ongoing outreach, coordination and Board discussion with individual constituent which has taken place over the last several years. However, several general methodologies have been included below and directly reflect what has been heard and discussed throughout the proposed LEMA's development period.

Public comment significantly informed the overall goal of the LEMA in terms of overall reductions as well as broadening the particulars of the appeal process.

Below is a listing of major differences between the Wichita County LEMA and the Four County LEMA, much of which was influenced by comments from the public.

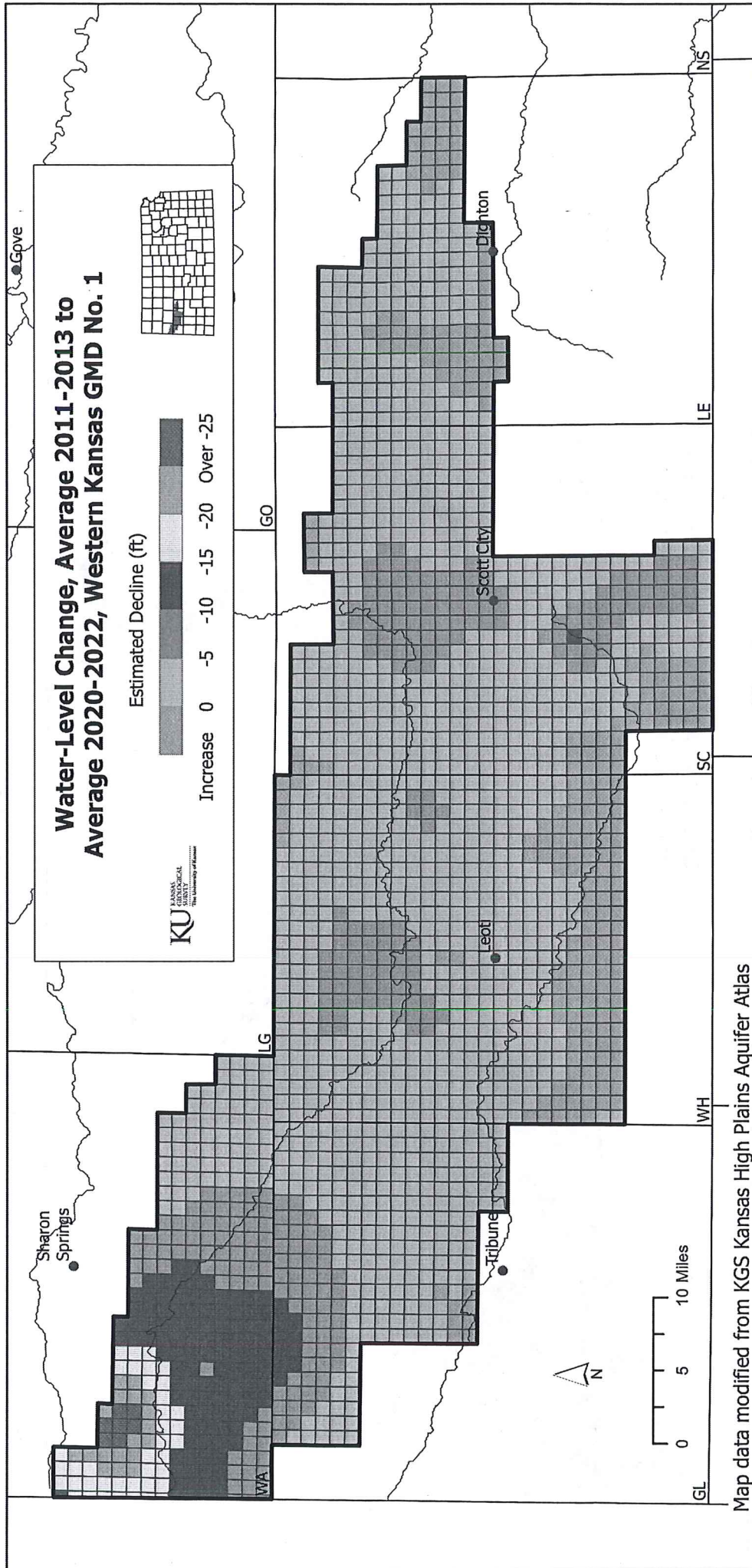
- Rather than a flat 25% reduction from historic pumping, reductions are based on a sliding scale reduction based on the 2011-2020 inches applied per authorized acres.
- Allocations are provided by Water Right Group, rather than by point of diversion.
- Allocation to Appropriation Rights within groups with both Vested and Appropriation Rights are done differently, not requiring Vested Rights to voluntarily enroll in the LEMA but provided an allocation to the Appropriation Rights of the Group based on the same percent reduction as computed by the entire group.
- There are no deadline for appeals to take place. Appeals can be heard at any time during the term of the FCL, 2023-2027.
- A robust and flexible appeals process has been developed to provide due consideration for contested FCL Allocations.

Appendixes:

- GMD1 KSU Survey on Preferences for GMD Irrigation Water Management, 2021
- Survey Transmittal letter (second round)
- August 2021 Annual Meeting presentation on Additional LEMA Considerations
- August 2021 Annual Meeting handouts on Potential LEMA Attributes
- February 2022 Annual Meeting presentation on Additional LEMA Considerations
- February 202s Annual Meeting handouts on Potential LEMA Attributes
- April 2022 GMD1 Newsletter
- Public Outreach Letter – County Outreach Meetings
- Appeals Memo – Handout at County Outreach Meetings
- KGS Presentation from County Outreach Meetings

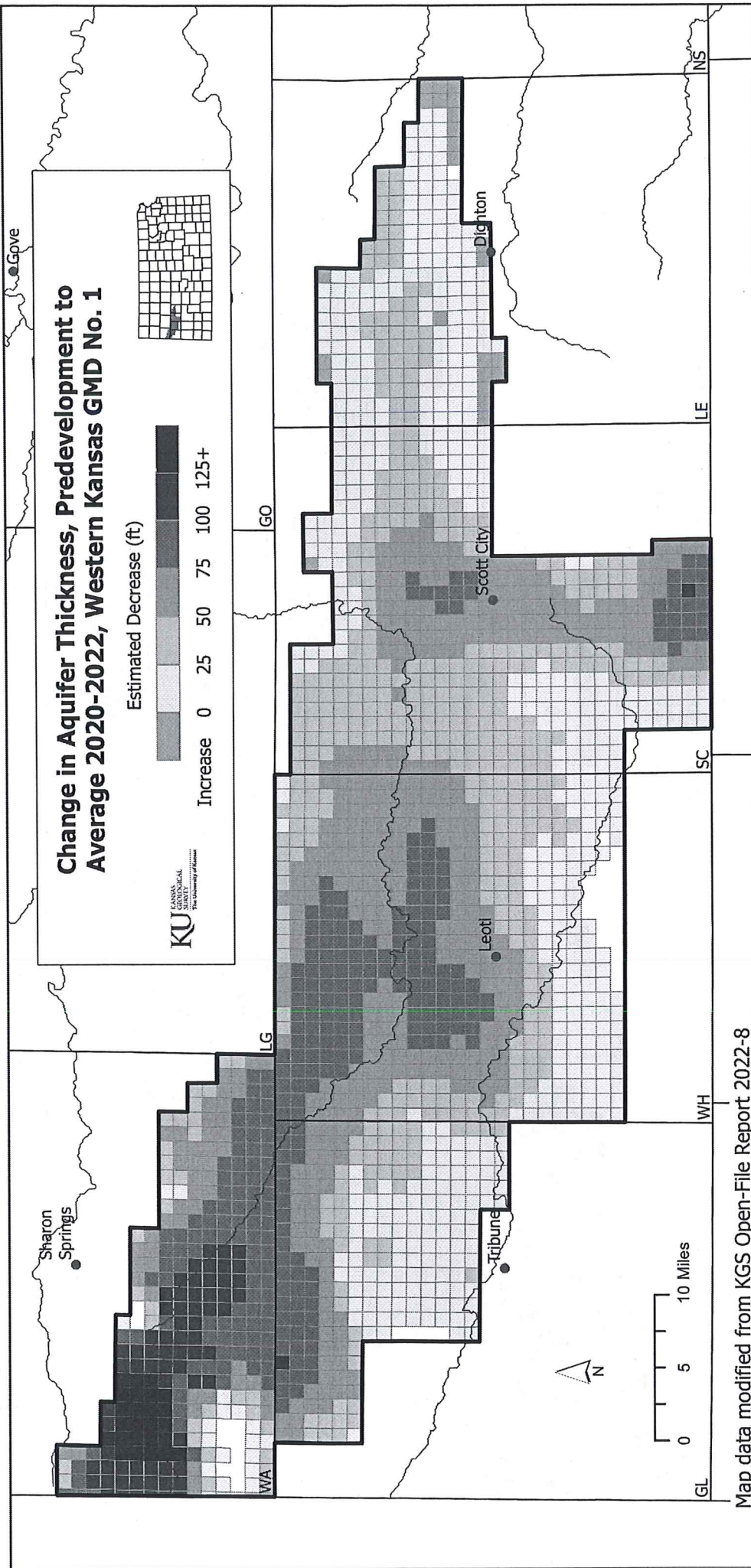
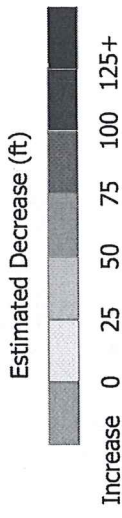
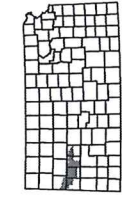
- Lane County Outreach Meeting Agenda
- Scott County Outreach Meeting Agenda
- Wallace County Outreach Meeting Agenda
- Map Handouts from County Outreach Meetings
- PowerPoint Presentation from County Outreach Meetings
- FAQ Sheet – Handout at County Outreach Meetings
- County Outreach Meeting Sign-in Sheets

Attachment E – Required Maps



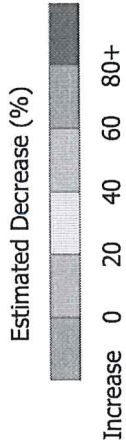
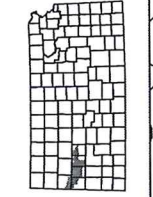
Map data modified from KGS Kansas High Plains Aquifer Atlas

Change in Aquifer Thickness, Predevelopment to Average 2020-2022, Western Kansas GMD No. 1

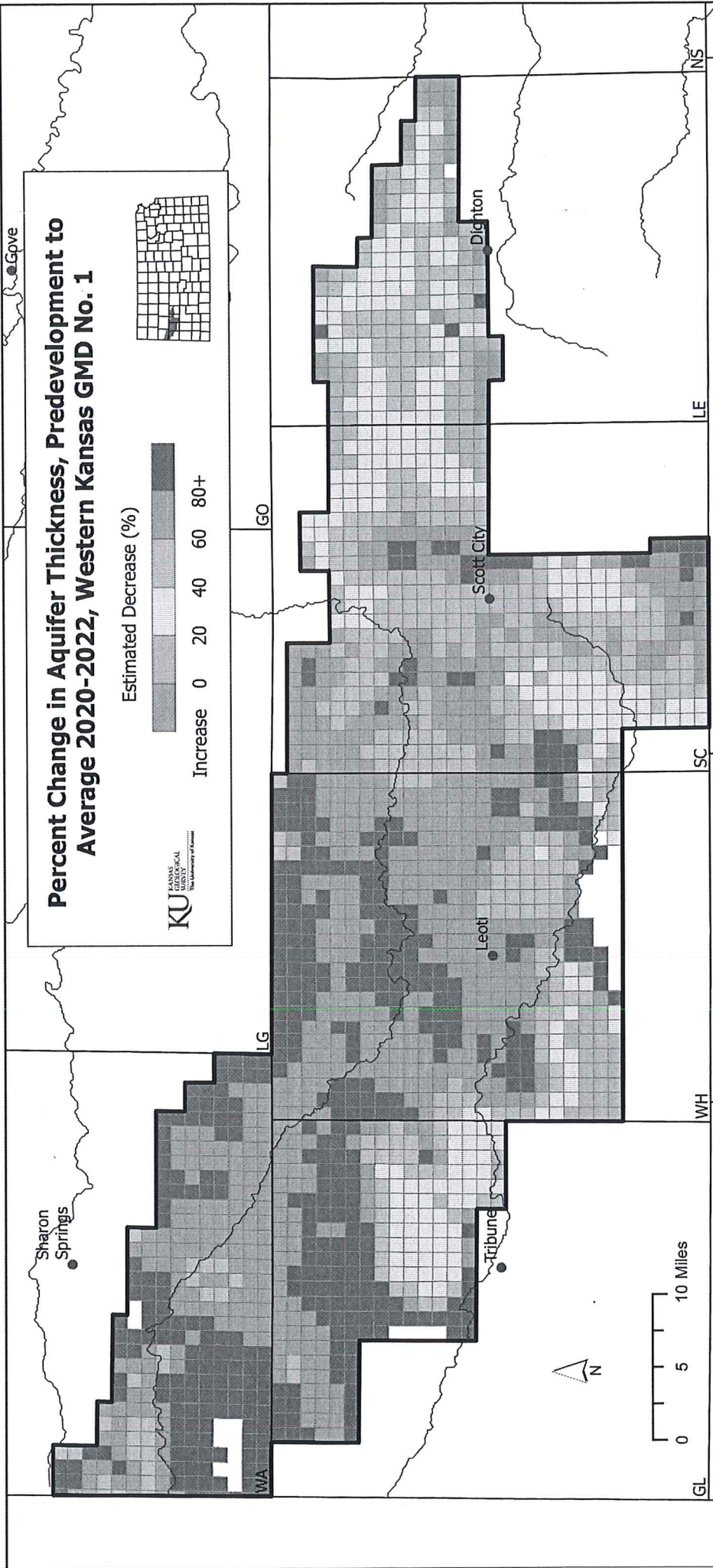


Map data modified from KGS Open-File Report 2022-8

Percent Change in Aquifer Thickness, Predevelopment to Average 2020-2022, Western Kansas GMD No. 1



KU
KANSAS
GEOLOGICAL
SURVEY
The University of Kansas



Map data modified from KGS Open-File Report 2022-8

Attachment F – Memorandum on Appeal Methods

GMD1 Four County LEMA Memorandum of Appeals Methods

Section 1 – Defining Voluntary Conservation

Background and Consideration

Pursuant to K.S.A. 82a-1041, LEMA Plans submitted by GMDs are required to provide evidence so the Chief Engineer can conclude that the Plan “gives due consideration to water users who already have implemented reductions in water use resulting in voluntary conservation measures;”

Draft Definition of “Voluntary Conservation”

In direct regards to the LEMA and implementation overseen by GMD1, voluntary conservation is defined as the following. The intentional act of utilizing less water than is available in an unconstrained supply under a set water right, not contingent on water year type. Per KSA 82a-1041, the LEMA plan must show it “gives due consideration to water users who already have implemented reductions in water use resulting in voluntary conservation measures.” Therefore, the act of conservation must be a physical and purposeful change to on farm management outside of natural changes and or causes.

Section 2 – Examples and Criterion of Voluntary Conservation

The following examples and criterion are hypothetical scenarios that may be deemed as actionable conservation by the GMD Board of Directors, on a case by case basis.

Voluntary Conservation Criteria

Example Criteria for Approving Conservation	Yes/No*
Is this action of conservation voluntary?	Yes
Can the landowner reasonably prove conservation through records, data, other?	Yes
Was less water used regardless of water year?	Yes
Was more water available, but not utilized?	Yes
If a high water use crop (<i>corn</i>) was purposefully or permanently replaced with a low water use crop (<i>sorghum</i>), were the overall acres maintained?	Yes
Was the irrigation year cut short due to hail damage?	Yes
Was extra-ordinary efficiency technology implemented to promote water savings? (<i>ex. sub surface drip irrigation</i>)	Yes
Is the landowner currently enrolled in a WCA?	Yes

*These example answers indicate a potential response that would be indicative of conservation.

Possible Examples of Voluntary Conservation (in accordance with the known interpretation of due consideration)

- In 2015 John Smith implemented subsurface drip irrigation which resulted in less water being applied in 2015 (Normal WY) than in 2016 (Normal WY). John Smith is able to demonstrate this because he can provide reasonable data and a written explanation that proves this was a voluntary act, not reliant on supply availability.

- In 2017, John Smith switched from irrigating corn to irrigating grass for seed, a crop that uses significantly less water, without expanding his irrigated area. This resulted in a demonstrated decline in water used. Thus years 2017-2020 will be excluded from determining the basis of his allocation.
- In 2018, John Smith signed onto a Water Conservation Area, which committed him to a reduction of 10% from his historic use. Thus 2018-2020 will be excluded from determining the basis of his allocation.
- In 2016, John Smith decreased his irrigated acres to purposefully reduce water use. This action was not dependent on water availability, rather the conscious effort to conserve. Similar with moving to a crop rotation that used less water over the long haul.
- Typically John Smith uses approximately 60% of his land to grow corn and 40% of his land for sorghum. Over the last several years he has adjusted these figures and now uses almost 95% of his acreage to grow sorghum, a lower water use crop thus potentially resulting in overall decreased water use.¹

Section 3 – Examples and Criterion that are not Conservation

The following examples and criterion are hypothetical scenarios that may be deemed as not voluntary conservative action by the GMD Board of Directors, on a case by case basis.

Example Criteria for Non-Conservation	Yes/No**
Is this action of conservation voluntary?	No
Can the landowner reasonably prove conservation through records, data, other?	No
Was less water used regardless of water year?	No
Is it considered conservation if less water was used due to an inability to pump?	No
Is it considered conservation if less water used due to a wet water year?	No
Was water saved due to management practices that go beyond standard good practice?	No
Are the low water use years of a crop rotation, part of their normal operations?	No

**These example answers indicate a potential response that would not be indicative of conservation.

Examples of Non-Voluntary Conservation (In accordance with the known interpretation of due consideration)

- In 2014 John Smith utilized a well that had a capacity of approximately 200 gpm. In 2016 that same well is functioning at a capacity of 100 gpm. This reduced capacity and/or extended use period would not be considered an act of voluntary conservation.
- John Smith has utilized a pivot irrigation system and drop nozzles for several years. This would not be deemed voluntary conservation, as this is considered standard, good management.

¹ Total acreage must stay the same in order for this example to be viable. Additionally, crop change to low water use crops due to reduced well capacity would not be considered conservation.

Section 4 – Draft Appeals Process

The following draft appeal processes summarize various avenues that the GMD 1 Board will use to give the required due consideration to past voluntary conservation in the appeal of LEMA allocations. For all appeal options, the appropriate reductions will be applied based off of previous discussions. Lastly, there is currently no deadline for submitting an appeal.

Base Appeal Approach	New Owner/Operator Control With 3 or More Years of Record	New Owner/Operator Control or Irrigation System Change With Less Than 3 Years of Record	No Historic Use Appeal Approach
<ul style="list-style-type: none"> • Appropriate for circumstances where there has <u>not</u> been a control/ownership change. • New owners/operators may utilize the Base Appeal Approach should they agree with and choose to use historical data provided by previous owner. • A minimum of three representative years of use data is required. • Years of demonstrated conservation will be excluded from averaging. • For example, if 2015 and 2016 had demonstrated conservation, then years 2011-2014 and 2017-2020 will be summed and divided by 8 to get the average water use to determine the required reduction. 	<ul style="list-style-type: none"> • Appropriate for circumstances where recent change of control/ownership <u>has</u> taken place with <u>3</u> or <u>more</u> representative years of history. This Appeal process requires written documentation proving such changes and must be deemed acceptable by the Board. (DWR/FSA Records) • Years of demonstrated conservation may be excluded from averaging. • Under new control, the new water use record may be used. • For example, the new ownership ownership/control was for the period 2017-2020, the water use in 2017-2020 will be summed and divided by 4 to determine the average for purposes of determining the required reduction and allocation. 	<ul style="list-style-type: none"> • Appropriate for circumstances where recent change of control/ownership <u>has</u> taken place with <u>less than 3</u> representative years of history. This Appeal process requires written documentation proving such changes and must be deemed acceptable by the Board. If a deficit in annual data is present NIR may be used to supplement data. FCL Reductions will apply to years of historic data and will not apply to NIR. • A current owner who exceeds three years of data, but can provide proof that a new irrigation system change directly resulted in less than three years of reflective operational water use data shall qualify. • Years of demonstrated conservation may be excluded from averaging. • Under new control, the new water use record may be used. • For example, if a new owner only has 2 years of data they may supplement NIR data for the 3rd year. 	<ul style="list-style-type: none"> • Appropriate for circumstances of non-use for 2011-2020 or for a new owner/operator Jan 1st 2021 through Feb. 22nd 2022. NIR would be used for new owner/operator only. FCL Reductions will apply to years of historic data and will not apply to NIR. • Where the appeal is for Jan 1st 2021 through Feb. 22nd 2022, an allocation of NIR will be given where clear boundaries of irrigation can be demonstrated such as an irrigated circle or buried drip tape or consistent flood acres. Other cases will be reviewed if the boundary is not clear or clean, then the next option would be a pump test multiplied by 150 days. • Where a Group that has had use, but also has an individual point of diversion with non-use and is appealed, a pump test to demonstrate the ability to pump is required to provide an allocation of the pump test times 150 days.

Footnotes:

1. For all methods the Board reserves the authority to re-evaluate these methods in a future or current LEMA Appeals process within their discretion and may address a special scenario in the current LEMA on a case by case basis.
2. Where a non-use irrigation right is to be converted to a non-irrigation use, it will be processed according to DWR applicable regulations, which are not based on historic use.
3. Change of Owner/operator control/irrigation system change must have occurred prior to Feb. 22nd, 2022, to qualify for this appeal as indicated at the 2022 Annual Meeting or per Board discretion.
4. NIR Values Per County: Scott = 14.0", Greeley = 14.7", Lane = 13.7", Wallace = 14.3".
5. Appeal applicant must have ownership/control of a water right for a full calendar year.

1320 Research Park Drive
Manhattan, KS 66502
785-564-6700
www. agriculture.ks.gov



900 SW Jackson, Room 456
Topeka, KS 66612
785-296-3556

Mike Beam, Secretary

Laura Kelly, Governor

August 4, 2022

WESTERN KANSAS GROUNDWATER MANAGEMENT DISTRICT #1
KATIE DURHAM, MANAGER
906 W 5TH
PO BOX 604
SCOTT CITY, KS 67861

RE: Western Kansas Groundwater Management District #1 Proposed Four County LEMA

Dear Ms. Durham,

Pursuant to K.S.A. 82a-1041, KDA-DWR has reviewed GMD 1's proposal for its Proposed Four County LEMA as received on July 1, 2022.

Pursuant to K.S.A. 82a-1041 (a), this initial review was limited to the following, as to whether the plan:

- (1) proposes clear geographic boundaries;
- (2) pertains to an area wholly within the groundwater management district;
- (3) proposes goals and corrective control provisions as provided in subsection (f) adequate to meet the stated goals;
- (4) gives due consideration to water users who already have implemented reductions in water use resulting in voluntary conservation measures;
- (5) includes a compliance monitoring and enforcement element; and
- (6) is consistent with state law. K.S.A. 82a-1041 (a) goes on to say that: If, based on such review, the chief engineer finds that the local enhanced management plan is acceptable for consideration, the chief engineer shall initiate, as soon as practicable thereafter, proceedings to designate a local enhanced management area.

Based on our review, I find that the proposal meets the requirements of K.S.A. 82a-1041 (a) and is therefore acceptable for consideration. I will initiate proceedings to designate a local enhanced management area as soon as practicable.


Statute requires two hearings on the proposed LEMA. The initial hearing is to resolve the following findings of fact:

- (1) Whether one or more of the circumstances specified in subsection (a) through (d) of K.S.A. 82a-1036, and amendments thereto, exist;
- (2) whether the public interest of K.S.A. 82a-1020, and amendments thereto, requires that one or more corrective control provisions be adopted; and
- (3) whether the geographic boundaries are reasonable.

EXHIBIT "B"

If the initial hearing is favorable on all three issues noted above, a second hearing is required to determine whether the area should be designated and the GMD's proposed local enhanced management plan for the area be adopted.

Sincerely,



Earl D. Lewis, Jr.
Chief Engineer
Kansas Department of Agriculture
Division of Water Resources

pc: Mike Meyer – Garden City Field Office Water Commissioner
Mark Callender