June 11, 2025

Rob Zuber
Colorado Division of Reclamation, Mining, and Safety
1313 Sherman Street, Rm 215
Denver, CO 80123

RE: Best Sand & Gravel Pit 1 – M-2019-018
Technical Revision 2 – 11/14/24 Inspection Items/Corrective Action

Mr. Zuber

Please find attached the updated Technical Revision 2 per conversations with the Division. This TR addresses the corrective actions recommended for M-2019-018, formerly known as Best Rock Sand and Gravel Pit 1.

Regards,

Kellie Williams
Seaton Asset LP
(512) 800-1313
kellie@seatonasset.com

Attachments

Revised Exhibit D

Additional attachments for Exhibit M:

Gravel Well Permit Application

Substitute Water Supply Plan

EXHIBIT D MINING PLAN

General Mining Plan

The permit and property boundary will be surveyed prior to any site disturbance. Map C-2 shows the mining plan.

The gravel zone is approximately 30 feet thick in an alluvial deposit and is overlain by soil and overburden ranging from 4 to 6 feet. The underlying geological layer is the Mancos Shale which underlies all alluvium in this valley. Therefore, no excavation will come within two feet of the shale. If any shale is exposed, it will be buried under two feet of backfill, and that depth will be the new pit floor. In general, the area will be mined by first excavating soil/overburden with front end loaders which will take that material to be used to backfill the slopes of mined out areas to a 3H:1V slope as shown on Map F-1. The raw gravel material will then be loaded into a crusher/screen plant where various sizes of product will be made and placed in separate stockpiles. Dozers may also be used to move topsoil/overburden or gravel. Mining activities are expected to occur approximately 3 to 5 months per year, while the processing operations including screening/crushing and washing can occur any time of the year. Mining will proceed from Area 1 to Area 5 in the West Pit to Area 6 to Area 10 in the East Pit, as shown on Map C-2. The mining of the deposit will occur to the limits shown on Map C-2 and will be mined to a slope no steeper than 2H:1V in order to maximize gravel recovery. Backfilling with overburden will create the shallower reclaimed slopes.

The operator mines using a 0.5H:1V to near vertical slope on the active mining face. Highwall mining will progress to an offset line from the crest line, which marks the mid-slope of the 2H:1V mining slope. Both boundaries will be staked prior to mining in the area. This offset serves two purposes. First, the volume of material left in the highwall will allow the crest to be pushed towards the toe with the final mining slope of 2H:1V, which will maximize gravel recovery and additionally will reduce the required backfill material to bring the slopes to 3H:1V. Secondly, this offset provides additional slope safety. A failure would be governed by the internal angle of friction of the material. This would limit the failed slope to an angle of 38 degrees or ~1.3H:1V. This failure would not only stay within the permit area, it would stay within the final slope envelope. Such a failure is unlikely given that only the active slope is near vertical.

Roughly 200,000 tons of material is planned to be mined per year. The raw material will be sold as various products: crushed rock, chips, road base, concrete, and asphalt. A breakdown of the mined tonnages can be seen in **Table D-1**. A breakdown of the estimated areas is included in **Table D-2.** Both topsoil and overburden may be sold onsite on an as needed basis, however Graff commits to keeping enough material onsite to be able to reclaim the site. The amounts of topsoil and overburden sold are incidental commodities and are not therefore included in the table below or the annual tonnage sold from the site.

Each pit serves as a sediment pond for the operations that take place in it. Pit dewatering will be conducted using a pump located at least two feet below the operating floor, in order to intercept water before it can pick up sediment from the pit. A gravel berm around the pump will also help ensure that the discharge from pit dewatering is clean. The West Pit will then pump to a discharge point on the west end of the property that drains to the Gunnison River. The East Pit will be pumped into the West Pit, as the West Pit will become a lake once it is mined out. This will allow the entire operation to use the same NPDES discharge points on the west side throughout the life of the operation. Further details may be found in Exhibit G.

Clean water from dewatering will be used during mining in order to water trees and other vegetation around the pits that would otherwise be negatively affected by the lowered water table.

The wash plant which will be used onsite will consist of a system to handle sediment from the washing operation. This system will consist of two settling ponds. Water will be pumped from the ponds to the plant. Removal of settled material will be conducted as necessary and the settled material will be dried and used for fill where necessary or placed on the bottom of the pit.

Mining will progress through the areas numerically. The topsoil and overburden from a new area will be used to reclaim the previous are. This will reduce material moving as well as reduce the maximum area to be reclaimed. Any fines from the crushing/screening operation and removed from the settling pond will also be salvaged and used in the reclamation. A table of expected mining lives for each Pit is included in **Table D-1**. The life of each pit is based on the anticipated annual average tonnage.

No explosives will be used in conjunction with the mining and reclamation operation.

1. Mining Timetable

The following timetable is a best estimate of the sequence of operations for the life of the mine based on mining and selling 200,000 tons of total product per year:

Table D-1 Mining Timetable

Area	Mining Time		Material Quantity	
1	3.9	Years	780,000	Tons
2	3.3	Years	660,000	Tons
3	3.6	Years	720,000	Tons
4	5.2	Years	1,030,000	Tons
5	4.9	Years	970,000	Tons
West Pit Subtotal	*20.8*	*Years*	*4,160,000*	*Tons*
6	2.7	Years	540,000	Tons

7	5.1	Years	1,030,000	Tons
8	6.4	Years	1,270,000	Tons
9	7.1	Years	1,430,000	Tons
10	8.3	Years	1,670,000	Tons
East Pit Subtotal	*29.7*	*Years*	*5,930,000*	*Tons*
Total	50.5	Years	**10,090,000**	Tons

The mining schedule is planned to minimize disturbance by reclaiming areas as additional mining is undertaken. The mine life outlined is based on a production estimate, and can vary dramatically based on market demand.

2. Mine Facilities and Operation

The site will contain the following facilities; it is noted where applicable whether or not the facility is portable and whether it will have any fuel storage associated with it. A summary of equipment and related tanks is shown below.

- A portable asphalt plant with associated tanks
- A concrete plant with associated tanks
- Truck scales
- Mine office
- A portable crusher with associated tanks
- A portable wash plant with associated tanks
- Off-road diesel tanks (fuel farm)

The following list is the best estimate as to the mobile equipment which will be used onsite throughout the mine life:

- 2-3 Front end loaders
- 1 D-8 Bulldozer
- 1 40G Motor grader
- 1 4000 gallon water truck
- Volvo off road haul trucks (number will depend upon production needs)
- 15 and 24 ton on-road haul trucks (number will depend upon production needs)

All fuel tanks will have secondary containment. Some are double walled, others will be located within bermed or lined areas that have over 110% of the volume of the largest stored tank. All

such tanks will be kept at the fuel farm as shown on Map C-2. A Spill Prevention, Control, and Countermeasure plan will be in-place onsite for all fuel tanks.

No night mining activity is scheduled for the operation; however portable lighting may be used within the pit from time to time. The portable lights will only be used at the bottom of the pit for the purpose of after hour equipment maintenance. Portable toilets will be used for employees and be located above the static water table in case of pump failure. Bottled water will be brought onsite for all employees. All mining structures on site are shown on Map C-2. The portable mining equipment such as loaders, dozers, trucks and excavators will be serviced on an as-needed basis onsite. Upon reclamation, all portable equipment will be removed from the site.

There will be no new fence around the operation, since it is inside private property. No problems are expected with vandalism. It is extremely unlikely that any toxic or acid-producing materials will be encountered during the mining operation since exploration shows that the material is alluvial in nature. However, in the event that any such toxic materials are encountered, they will be covered with subsoil and topsoil from the stockpiles to the same depths outlined in the reclamation plan and no more mining will occur in this area.

The operator commits to clearly marking the permit boundary with stakes surveyed on site.

The site will use all existing roads to haul the product to its final destination. It is planned that the material may be used to re-surface existing roads, make concrete aggregate or provide new road base for any new roads within an economic distance to the site.

Several hazardous materials will be stored and used onsite throughout the project. These materials include products which are associated with diesel motors, and products associated with asphalt and concrete production. All such materials will be stored in a safe manner consistent with the site's Spill Prevention, Control, and Countermeasure Plan.

3. Topsoil and Overburden Handling

Topsoil ranges from 4 to 22 inches thick on site, 13 inches is the anticipated average. Overburden is anticipated to be 4-6 feet thick based on landowner experience. Both topsoil and overburden are used on site for reclamation of mined out areas. In the event that Graff needs to store topsoil or overburden in a berm, it will store this material within the active pit area. Any topsoil or overburden stockpile that is to be in place longer than 90 days will be vegetated to prevent wind erosion. Anticipated topsoil and overburden quantities are shown in Table D-2. These are estimates based on soil survey data and the landowner's experience with their property.

Table D-2 Estimated Topsoil and Overburden Quantities

Pit	Topsoil	Overburden
West	113000 CY	569000 CY
East	140500 CY	705000 CY
Total	253,500 CY	1,274,000 CY

4. Water Information, Rights and Augmentation

All water rights issues such as availability of water for this operation, consumption rates, dust control, etc. is presented in Exhibit G - Water Information.

5. Schedule of Operations

Mining operations will only occur as dictated by demand up to the maximum rates described earlier in the mine plan. Mining, screening and processing will be conducted with portable equipment at various times of the year. Product will be sold from this activity throughout the year, although little is expected to be sold in winter months. The operator will not have night gravel mining operations, although minor truck activity or repairs may occur after hours. Hours of operation will reflect those approved in any local permits.

6. Delta County Impacts and Environmental Impacts

The impacts to Delta County will be limited. Noise and traffic will be mitigated by best management practices and requirements in the local use permit.

Additional Exhibit M Items

Form No. GWS-27 01/2020	COLORADO DIVISION OF WATER RESOURCES DEPARTMENT OF NATURAL RESOURCES 1313 Sherman St., Ste 821, Denver, Colorado 80203 Phone: (303) 866 2223 DWR Web: dwr.colorado.gov Email: dwrpermitsonline@state.co.us	For Office Use only

REVIEW INSTRUCTIONS PRIOR TO COMPLETING FORM

GRAVEL PIT WELL PERMIT APPLICATION

1. TYPE OF PERMIT
   - [■] NEW PIT(S)
   - [ ] PIT(S) EXIST, CONSTRUCTED AFTER DEC. 31, 1980

2. APPLICANT INFORMATION
   NAME(S) Best Sand and Gravel LLC c/o Reed Seaton
   Mailing Address 8701 Bee Cave Road, East Building, Suite 310
   City, St. Zip Austin, TX 78746
   Phone (w/ area code) (512) 810-9221 Email: reed@seatonasset.com

3. CONSULTANT/ATTORNEY/OPERATOR CONTACT (If different than #2)
   NAME(S) Patrick, Miller & Noto P.C. c/o Kevin L. Patrick
   Mailing Address 229 Midland Avenue
   City, St. Zip Basalt, CO 81621
   Phone (w\ area code) (970) 920-1030 Email: patrick@waterlaw.com

   PIT NAME BSG West Gravel Pit
   DRMS NO. M-2019-018

4. GENERAL LOCATION OF PIT(S): COUNTY Delta
   ALL 1/4 NW 1/4, Sec. 14 Twp. 15 [ ] N. [☒] S., Range 96 [ ] E. [☒] W. 6 P.M.

5. Estimated maximum water surface to be exposed: 51 Acres. Number of Pits 4.

6. Estimated depth of pit(s) 30 Ft. Estimated depth to groundwater 8 Ft.

7. Estimated date to expose groundwater 05/01/2025; date to complete mining 05/01/2030.

8. ATTACHMENTS: (Check which have been attached.)
   - (a) [■] Scaled map of pit area with range, township, & section clearly identified (REQUIRED).
   - (b) [■] Copy of the reclamation permit, if applicable.
   - (c) [ ] Copy of pre 1/15/89 water conservancy dist. or water user assoc. augmentation agreement, if applicable.
   - (d) [■] Copy of proposed substitute water plan or augmentation plan application, if applicable.
   - (e) [ ] Copy of court approved augmentation plan, if applicable. Case No. _____
   - (f) [ ] Other _____.

9. Detailed description of any use, other than evaporation, and method of diversion, rate of diversion, and annual amount of diversion of any water withdrawn from the pond.
   1.) Dust control (5.34 AF), pumped at 6700 gpd for 260 days 2.) Dewatering (74.83 AF), pumped 100,000 gpd for 233 days
   3.) Moisture removed in mined material (5.78 AF), removed with gravel mined below water table

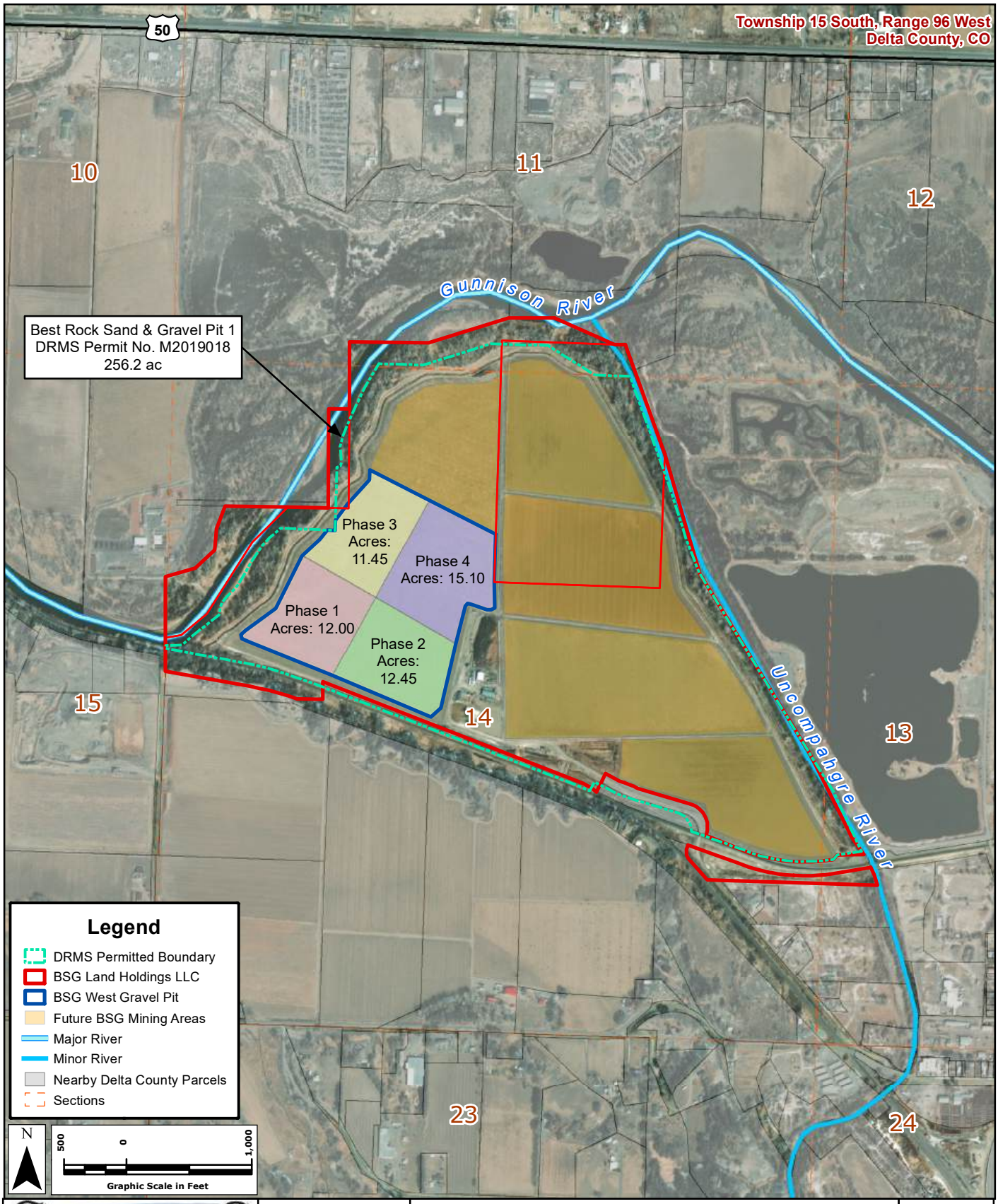
10. Will dewatering occur within the DRMS permit boundary [☒] Yes [ ] No

11. I (we) have read the statements made herein and know the contents thereof, and that they are true to my (our) knowledge. [Pursuant to Section 24-4-104 (13)(a) C.R.S., the making of false statements herein constitutes perjury in the second degree and is punishable as a class 1 misdemeanor.]

Sign or enter name(s) of submitter	If signing print name & title	Date (mm/dd/yyyy)
[signature]	Kevin Patrick, attorney	04/15/2025

For Office Use only

Court Case No._____ Div. ____ Co. ____ WD ____ Basin ____ MD ____ Use _____



COLORADO RIVER ENGINEERING INCORPORATED

PO Box 1301
Rifle, CO 81650
Tel 970-625-4933

BSG West Gravel Pit

BSG West Gravel Pit Map

Figure: 3

Document Name: 1360 - Figure 3.mxd		Client:
Drawn by: MG	Approved by: MJE Date: 3/7/2025	1360 - Best Sand & Gravel, LLC

Colorado River Engineering
P.O. Box 1301
Rifle, CO 81650
(970) 625-4933

April 3, 2025

Via Email
Email: dwrpermitsonline@state.co.us

Ms. Wenli Dickinson, P.E.
Team Supervisor for Division 4, 5, and 6
Colorado Division of Water Resources
Office of the State Engineer
1313 Sherman Street, Room 818
Denver, CO 80203

RE: SUBSTITUTE WATER SUPPLY PLAN REQUEST FOR BSG WEST GRAVEL PIT

Ms. Dickinson:

Pursuant to C.R.S. § 37-90-137(11), this Substitute Water Supply Plan ("SWSP") approval request letter was prepared by Colorado River Engineering, Inc ("CRE") on behalf of Best Sand and Gravel, LLC ("Owner") for the Best Sand and Gravel ("BSG") gravel pit operations in Delta County, Colorado. It is prepared in conformance with the General Guidelines for Substitute Water Supply Plans for Sand and Gravel Pits ("SWSP Guidance") published by the Colorado Division of Water Resources ("DWR") and updated on July 26, 2024. The Owner contact information is provided below.

Owner Contact Information

Company:	Best Sand and Gravel, LLC Attn: Cole Scott ("CS") & Reed Seaton ("RS")
Address:	8701 Bee Cave Road, East Building, Suite 310 Austin, TX 78746
Phone:	(512) 672-9060 (CS) (512) 810-9221 (RS)
Email:	cole@rambo-materials.com (CS) reed@seatonasset.com (RS)

The intent of the SWSP is to allow sand and gravel mining operations to continue below the groundwater table by providing a plan to replace out-of-priority depletions without an augmentation plan. The analysis within this letter only applies to a portion of the BSG gravel pit ("BSG West Gravel Pit") which the Owner intends to mine within the next five years. This letter presents the water demands associated with the proposed BSG West Gravel Pit including evaporation from exposing groundwater to the atmosphere and water used as a byproduct of the mining operation. Potential out-of-priority depletions to the Gunnison River caused by these demands will be offset by contract water from Blue Mesa Reservoir.

The filing fee of $1,593, applicable for the first two years of operation, will be paid directly to the Records Section after transmittal of the SWSP documents. The Owner intends to pursue a plan for augmentation in an associated water court case with DWR through the water court which will apply to the entire BSG gravel pit. If the plan for augmentation is not obtained in the next two years, the Owner will renew the SWSP for the BSG West Gravel Pit.

PROJECT DESCRIPTION

SITE LOCATION AND BOUNDARIES

The BSG gravel pit is located in Delta County, Colorado in the Northwest Quarter of Section 14, Township 15 South, Range 96 West of the 6th Principal Meridian. It is southwest and adjacent to the confluence of the Uncompahgre River with the Gunnison River. Figure 1 shows a vicinity map of the project location. The BSG gravel pit began operation in 2024 under the Division of Reclamation, Mining and Safety ("DRMS") permit number M2019-018. The permit lists an operation name of "Best Rock Sand & Gravel Pit 1," an area of 256.2 acres, and mined commodities of sand and gravel. The DRMS permitted mining boundary and permit number are shown on all referenced figures. In 2025, the DRMS permit was transferred from the previous owner ("J. Graff Enterprises, LLC") to the present Owner. The DRMS permit boundary overlaps with five Delta County parcels owned by BSG Land Holding, LLC ("Landowner"). The Owner and Landowner are affiliated and there is an agreement for the Owner to mine the gravel pit.

WATER RIGHTS

As shown on Figure 2, the parcels include 194 acres where corn grain, dry beans, grass pasture and alfalfa were historically flood irrigated using the Darter & Haugsted Ditch surface water right (see table below). The excavation of the BSG gravel pit will result in the dry-up of the historically irrigated area. No other water rights are associated with the property. The DWR database was used to determine that there are no wells on the property or within a 600-foot buffer of the DRMS permitted boundary.

WATER RIGHTS SUMMARY

Structure Name	DARTER & HAUGSTED DITCH
WDID	4100516
Water Source	UNCOMPAHGRE RIVER
Associated Case Numbers	CA4573, 75CW0002
Adjudication Date	12/4/1941
Previous Adjudication Date	7/3/1929
Appropriation Date	2/16/1926
Priority Admin No	29038.27805
Priority No	198
Net Absolute (CFS)	4.2

SWSP AND PERMIT REQUIREMENTS

Mining began in the permitted boundary in 2024, but the operation has only excavated materials in deposits above the groundwater table. The gravel deposit is estimated to be 30 feet thick and overlain by soil and overburden ranging from four to six feet. Because the groundwater table is approximately eight feet below ground surface (bgs), future sand and gravel excavations in 2025 will expose groundwater to the atmosphere. To replace out-of-priority depletions related to the mining operation and evaporation from the exposed groundwater, the Owner intends to file a 2025 water court case for a plan for augmentation. The plan for augmentation will apply to the entire area within the DRMS permitted boundary. In the interim, the Owner requests approval for a SWSP to provide a replacement plan for out-of-priority depletions related to the mining operation within a 51-acre area, referred to as the "BSG West Gravel Pit" and shown on Figure 3. In addition to approval of the SWSP, the gravel pit will require a gravel pit well permit, dewatering permit, and Colorado Department of Public Health and Environment ("CDPHE") discharge permit which have been or will be applied for concurrent with the SWSP application.

MINE OPERATION

The operating plan for the BSG gravel pit was provided in a 2019 report included with the original DRMS application (attached). The plan applies to the BSG West Gravel Pit with a few modifications. The Owner

expects to mine at a rate of 500,000 tons of material per year and mining activities are expected to occur year-round. The mine will operate at full capacity from January through September, at three-quarters capacity in October, and at half capacity in November and December. As shown on Figure 3, the BSG West Gravel Pit is divided into four phases that indicate the order in which the areas will be mined where each phase will be mined out before operations begin in the next phase. The table below summarizes the volume of mined material (including topsoil, sand, and gravel) from the phased areas, assuming a side slope of 2H:1V. The time required to mine the area at a rate of 500,000 tons per year is also shown.

PHASED MINING SUMMARY

Pit Name	Surface Area (ac)	Percent of Total Area (%)	Volume of Mined Material (tons)	Duration of Mining (years)
Phase 1	12.00	24%	639,483.7	1.28
Phase 2	12.45	24%	663,464.3	1.33
Phase 3	11.45	22%	610,174.0	1.22
Phase 4	15.10	30%	804,683.6	1.61
Total	**51.00**	**100%**	**2,717,805.7**	**5.44**

The BSG West Gravel Pit will be mined for at least the two-year period this SWSP is valid and may be mined up to five-years with the renewal of the SWSP. The start of the mining operation below the groundwater table will begin at the issuance of the SWSP approval. The pits will be "dry-mined" where each pit is dewatered prior to the excavation of material. The dewatering process will include using each pit as a sediment basin to allow sediment to settle for a period. Then the water will be pumped to a central permitted discharge point in the Darter & Haugsted Ditch that drains to the Gunnison River. Some clean water will be used for dust control, but on-site washing or irrigation of vegetation is not anticipated.

The final reclamation of the SWSP area will include converting the four gravel pits to one unlined groundwater pond. Stockpiled topsoil will be used to backfill the pond to achieve a final sidewall slope of 3H:1V. The augmentation plan will account for long-term depletions due to evaporation and the filling of this final reclamation pond. In compliance with the requirements of the Colorado Land Reclamation Act for the Extraction of Construction Materials and the Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials, the Owner has provided a financial warranty of $121,332.00 to DRMS to ensure the replacement of long-term injurious stream depletions that result from mining operations.

WATER DEMANDS AND DEPLETIONS

The BSG West Gravel Pit will result in depletions to the Gunnison River due to the evaporative losses associated with exposed groundwater, the use of groundwater for dust control, the removal of moisture in mined material, the fill of the reclaimed pond, and dewatering. Table 1 (attached) summarizes the demands and depletions while Tables 2A through 2D (attached) provided more detailed calculations. All water utilized is considered to be 100% consumptive.

EVAPORATION

Table 2-A shows the calculations used to determine the depletions from evaporation. Gross evaporation (free water surface) was determined to be 45-inches annually based upon annual evaporation isopleths in NOAA Technical Report NWS 33 ("TR-33"). The gross evaporation was distributed by month using the monthly percentages published by the State Engineering Office for lakes below 6500 feet mean sea level. In accordance with C.R.S. § 37-80-120(5) and Guideline 2019-1, the monthly gross evaporation from the exposed groundwater surface related to sand and gravel pining ponds may be reduced by the amount of historical natural depletion caused by natural vegetative cover of the area that will be permanently

replaced by an open water surface. Per Section 13 of the SWSP Guidance, the gross evaporation may be reduced by the effective precipitation in lieu of a historically consumed precipitation analysis.

An 800-meter resolution dataset including mean daily temperature and precipitation based on data from 1991 to 2020 was downloaded from the PRISM Climate Group website for the project location (latitude of 38.7502, longitude of -108.0900, and elevation of 4925 feet). Effective precipitation was calculated as 70% of the total precipitation by month. Net evaporation (39.6-inches annually) was calculated as gross evaporation (45-inches annually) minus the effective precipitation (5.4-inches annually). Because the effective precipitation offset credit was applied, the evaporation was not reduced by the number of days of ice-cover.

The 51-acre mined area will all be converted to an unlined groundwater pond. Because the final pond will be backfilled to reduce the side slope from 2H:1V to 3H:1V, the surface area will be reduced by 5%. The adjusted evaporation in feet was multiplied by the surface area of exposed groundwater at completion of mining or about 48.5 acres. Table 1 and Table 2-A show the resulting annual pond evaporation of 159.78 acre-feet (AF). The evaporation calculations account for the full pond surface area after all four phases are mined, but the surface area will incrementally increase as phases are mined. Therefore, the evaporation is overestimated for the pond area at the beginning of the project.

DUST CONTROL

Year-round dust control will be required as the mining operations will expose a large surface area of soil that is in a flat region unprotected by trees or other topographic barriers. Detailed dust control calculations are provided in Table 2-B. The water requirement for dust control was determined using the gross evaporation rate from the "TR-33" of 45 inches per year. It was assumed that dust control is performed on two acres at any given time and dust control is provided to a reasonable level if water is being applied at a rate equal to the gross evaporation rate for a given month. It was also assumed that dust control would only be applied on work days and there are approximately 260 working days per year (52 weeks with 5 days per week). As shown on Table 1 and Table 2-B, the dust control requirement totals 5.34 AF annually or approximately 6,700 gallons per day (gpd).

RETAINED MOISTURE IN MINED MATERIALS

It is estimated that up to 500,000 tons of material will be mined per year. Of the 30 feet mined, the top 4 feet is assumed to be overburden or topsoil, the next 4 feet is assumed to be unsaturated gravel and sand, and the final 22 feet are assumed to be saturated gravel and sand. The mine will be mined at a 2H:1V slide slope. Therefore, 71% of the mined material by volume is expected to be saturated gravels, 14% unsaturated gravels, and 15% topsoil. The amount of water lost with the removal of mined material (V) has been calculated based on the table in Section 18 of the SWSP Guidance and the equation:

$$V\ (AF) = \frac{Tons\ mined\ material \times\ 2{,}000 \frac{lbs}{ton} \times\ \%\ groundwater}{Specific\ weight\ of\ water\ \times (1\ acre\ \times\ 43{,}560\ ft^3)}$$

As shown in Table 2-C, assumptions were made that 75% (rounding up 71%) of the mined material is not washed and is designated as "material mined bellowed the groundwater table, but in a dewatered state." Per the SWSP Guidance, 2% by weight of this mined material below the groundwater table will be accounted for as depletions to the Gunnison River. Mined material above the groundwater table is assumed to have no depletions to the river. It was also assumed that the 500,000 tons will be mined annually with operation at full capacity from January to September, at three-quarters capacity in October, and at half capacity in November through December. Table 1 and Table 2-C show the annual retained moisture to be 5.78 AF.

GRAVEL PIT FIRST FILL

Per Section 18 of the SWSP Guidance, the water consumption by the mining operation includes the water removed from the stream system by the first fill of the gravel pit and is equal to the volume previously occupied by the removed sand and gravel below the groundwater table. The equation used to calculate the volume is:

$$V_{fif} = \left(V_{mm} - V_{bf}\right) * (1 - porosity) - V_{lp}$$

where V_{fif} is the volume of the first flow, V_{mm} is the volume of the mined material below the water table (calculated assuming 75% of total mined material with a specific weight of 120 pounds/cubic foot), V_{bf} is the volume of material backfilled during the same month (15% of total mined material is assumed to be topsoil used for backfill), porosity is 0.30, and V_{lp} is the volume of water retained in the mined material (calculated in the previous section). Using the formula, the anticipated annual volume of the first fill will be approximately 74.83 AF. Because this gravel pit is dry-mined through dewatering, the first fill is assumed to occur at the conclusion of mining when the dewatering pumps are turned off. For the purpose of the augmentation analysis, first fill is accounted for in the next month. The calculations are provided in Table 2-C and summarized in Table 1.

DEWATERING

The phased areas will be dewatered as they are mined. Dewatering reduces the surface area subject to evaporation and removes first fill water that will need to be replaced during final reclamation. The expected rate and volume of dewatering are respectively 105,000 gpd and 6.9 AF per month during months of full-operation (Table 1 and Table 2-C). The volume of dewatering was assumed to equal the volume of first fill (not lagged) and the rate is equal to the volume divided by the number of operational days. The anticipated annual volume resulting from dewatering will be approximately 74.83 AF. This equates to a pumping rate of 13,000 gpm (assuming 8-hour days) which is likely an overestimate.

TOTAL DEMANDS AND DEPLETIONS

The maximum annual diversions were quantified for the various demands associated with the BSG West Gravel Pit mining operations and total 320.56 AF annually. This value is equal to the depletions to the Gunnison River because all uses are 100% consumptive. Table 2-D provides a summary of demands and depletions.

LAGGED DEPLETIONS

Because water will be withdrawn from exposed groundwater, the gravel pit will operate like a well and lagged depletions need to be considered in order to determine the proper timing, location and quantity of replacement water. No wells exist within 600 feet of the site per the DWR online well permit map viewer and well interference is not expected.

GLOVER ANALYSIS

A glover analysis (attached) was used to determine the Unit Response Function (URF) to lag the depletions. Based on nearby well completion logs, it is expected that at a depth of 30 feet, the gravel pit will be pulling water from unconsolidated river deposits of gravel and sand. Values of hydraulic conductivity for sandy gravels range from 1,000 to 10,000 gpd per square foot (gpd/ft2) and hydraulic conductivity was assumed to be 2,117 gpd/ft2 (Freeze and Cherry, 1979). Transmissivity was calculated to be 46,574 gpd/ft based on the hydraulic conductivity and a saturated thickness of 22 feet (30 foot deep well with groundwater found at 8 feet bgs). The specific yield was found to be 0.19, which is consistent with values for alluvial aquifers. For the Glover Analysis, a "No-flow boundary" (which models the maximum deficit to the Gunnison River) was assumed with the distance from the center of the pit to the

nearest point on the Gunnison River ("X") equal to 979 feet and the distance to the no-flow boundary located on the east site of the pit ("W") equal to 1,780 feet. The site parameters were modeled using the Well Pumping Design Model (WPDM) by Western Water Consulting, Inc. and the model resulted in the following 12-month URF lagging factors. The Glover Analysis Model is attached for reference.

GLOVER ANALYSIS LAGGING FACTORS

Month	Lagging Factor
1	31%
2	38%
3	17%
4	8%
5	3%
6	2%
7	1%
8	0%
9	0%
10	0%
11	0%
12	0%
Total	**100%**

Table 2-E shows how the lagging factors were then applied to the monthly depletions to determine the monthly lagged depletions occurring in each month. The monthly lagged depletions are summarized in Table 1 and Table 2-D.

OPERATION OF THE PLAN

CALL ANALYSIS

From 1960 to present, the only call placed on the Gunnison River downstream of the project location occurred in 2002. The Redlands Power Canal ("RPC") placed a call on April 22, 2002 and released the call on June 1, 2002, resulting in 40 days of call. The RPC owns three water rights. The most senior right is for 670 cfs with an adjudication date of July 22, 1912 (Case No. CA1927), a more junior water right is for 80 cfs with an adjudication data of July 21, 1959 (Case No. CA8303) and the third water right is for 100 cfs with an adjudication date of December 31, 1994 (Case No. 94CW0228). The most likely call scenarios that would effect the BSG mining operations is if the RPC calls using its senior water right when the river flow is less than 670 cfs or using its junior water right if the river flow is less than 750 cfs.

Based on conversations with the DWR Division 4 Division Engineer, a 2012 operating agreement was made for the Bureau of Reclamation to make releases from Blue Mesa Reservoir to increase flows in the lower Gunnison River. DWR Division 4 provided a call analysis for augmentation plans impacted by the RPC call that was calculated based on streamflow data at the USGS stream gage station upstream of the RPC. The 98 day call scenario is summarized in Table 1 and Table 2-F.

REPLACEMENT OBLIGATION AND SOURCES – CONTRACT WATER

To replace the out-of-priority lagged depletions associated with the gravel mining operations, replacement water must be replaced directly or by exchange in the proper quantity, place and time to prevent injury to more senior water rights. Replacement water will be purchased from Blue Mesa Reservoir, located near Gunnison, Colorado, through a long-term water service contract with the U.S. Bureau of Reclamation. The replacement obligation based on annual depletions of 320.56 AF and 98 days of call result in a replacement obligation of 59.05 AF. A contract amount of 64.96 AF will need to be purchased to account for 10% transit loss (summarized in Table 1 and Table 2-F). The contract will provide

replacement water from the reservoir to the Gunnison River upstream of the site, directly replacing out-of-priority depletions from the project.

Historical consumptive use ("HCU") credits are available due to the dry-up of land historically irrigated by senior water rights. However, the HCU credits will not be needed for the SWSP since the call analysis shows calls typically occur from December through April and a call during irrigation season is unlikely.

ADMINISTRATION

The water demands associated with evaporation from the pond surface area, dewatering rate, dust control water usage, pond first fill, and total removed material will be tracked on a monthly basis using Table A (attached). The Owner and mine operators will be responsible for inputting observed data into the worksheet. This worksheet, along with days-of-call in a given water year, will be used to fill out Table B. Table B calculates the out-of-priority depletions which will be compared to the Blue Mesa Reservoir contract water releases. An Example Table B (attached) is populated with data estimated for the life-time of BSG Gravel Pit to show the replacement supply will adequately replace future depletions. The data inputted in the Table A worksheet and analyzed in Table B will be reported in the required SWSP accounting to ensure out-of-priority depletions are replaced in time, location, and amount.

WATER COURT CASE NO. 25CWXXXX

The actions requested under this SWSP are consistent with the uses, sources of replacement and operation of the plan for augmentation that will be pursued through DWR in an associated water court case (Case No. 25CW____). In accordance with C.R.S. § 37-92-308(4), notice of this submittal will be provided to the opposers in Case No. 25CW____, if such requirement is applicable at that time.

CONCLUSIONS

The information within this letter was provided in compliance with the SWSP Guidance and the calculations have been made conservatively to prevent injury to existing water rights in the Gunnison River basin.

If you have any questions, please call our office at (970) 625-4933.

Sincerely,

Colorado River Engineering, Inc.

Michael J. Erion, P.E.
Principal Water Resources Engineer

1360
MJE/mje/mg

CC: Kevin Patrick, Esq
Reed Seaton

ATTACHMENTS

Figure 1 – Vicinity Map

Figure 2 – Water Rights and Historically Irrigated Acres Map

Figure 3 – BSG West Gravel Pit Map

Table 1 – Substitute Water Supply Plan Summary Table

Table 2 – Detailed Calculations

- Table 2-A – Pond Evaporation Demand
- Table 2-B – Dust Control Demand
- Table 2-C – Mined Material, First Fill, and Dewatering Demands
- Table 2-D – Consumptive Water Demands
- Table 2-E – Glover Analysis for Lagged Depletions
- Table 2-F – Augmentation Requirements and Replacement

Glover Analysis Model

Table A – SWSP Accounting Input Worksheet

Table B – Example SWSP Depletion and Augmentation Analysis Worksheet

BRS&G Pit 1 Mining Application - March 2019

Shapefiles – DPMS Mining Permit Boundary and BSG West Gravel Pit boundaries.

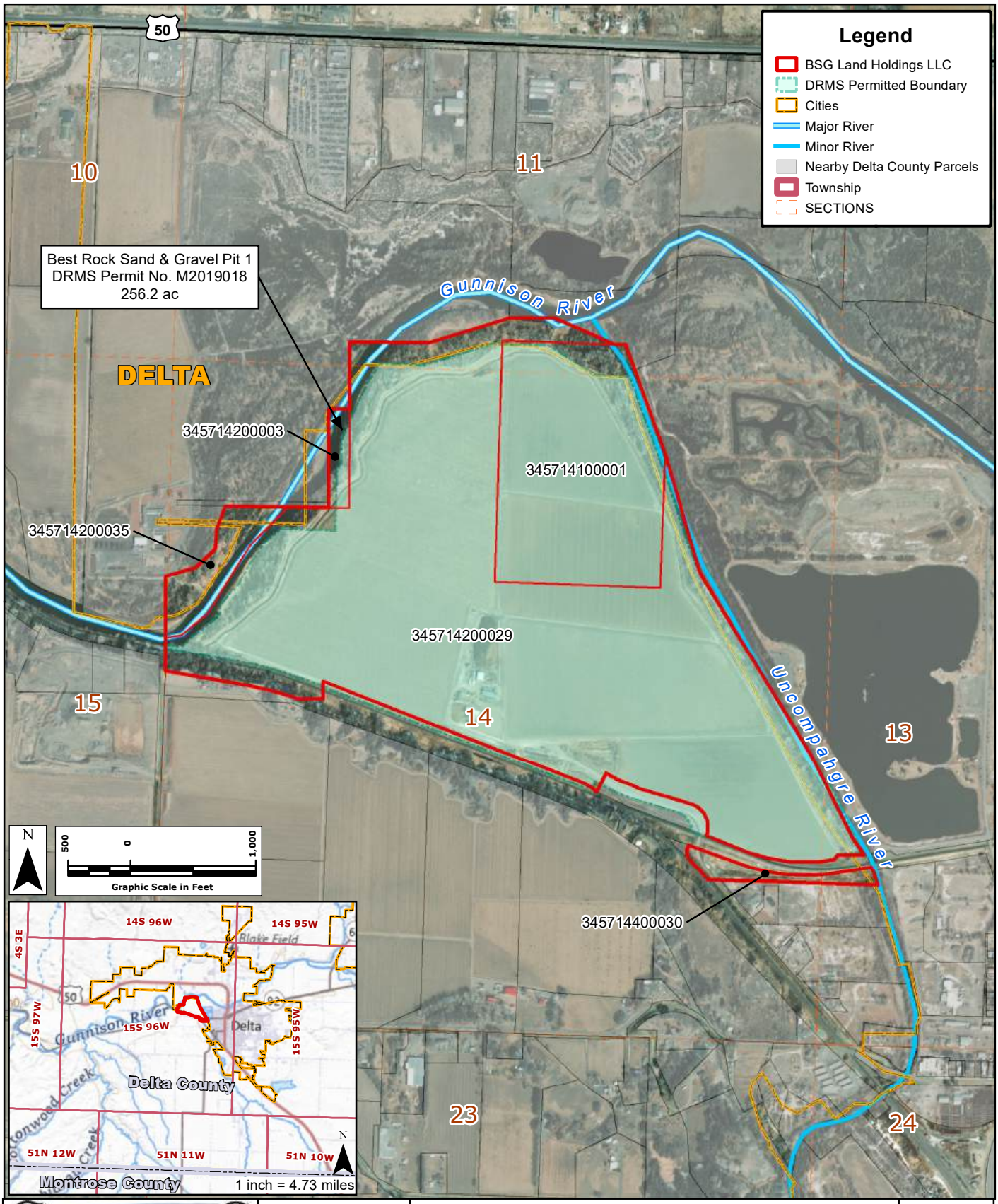
REFERENCES

Freeze, R.A., Cherry, J.A., 1979. Groundwater. Englewood Cliffs, New Jersey, Prentice-Hall Inc. 604 p.

Office of the State Engineer, Colorado Division of Water Resources, 2024. General Guidelines for Substitute Water Supply Plans for Sand and Gravel Pits; available at https://dwr.colorado.gov/services/water-administration/water-supply-plans-and-administrative-approvals

NOAA Technical Report NWS 33, Evaporation Atlas for the Contiguous 48 United States

Western Water Consulting, Inc., 2001. Well Pumping Depletion Model software.



COLORADO RIVER ENGINEERING INCORPORATED

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Tel 970-625-4933

BSG West Gravel Pit

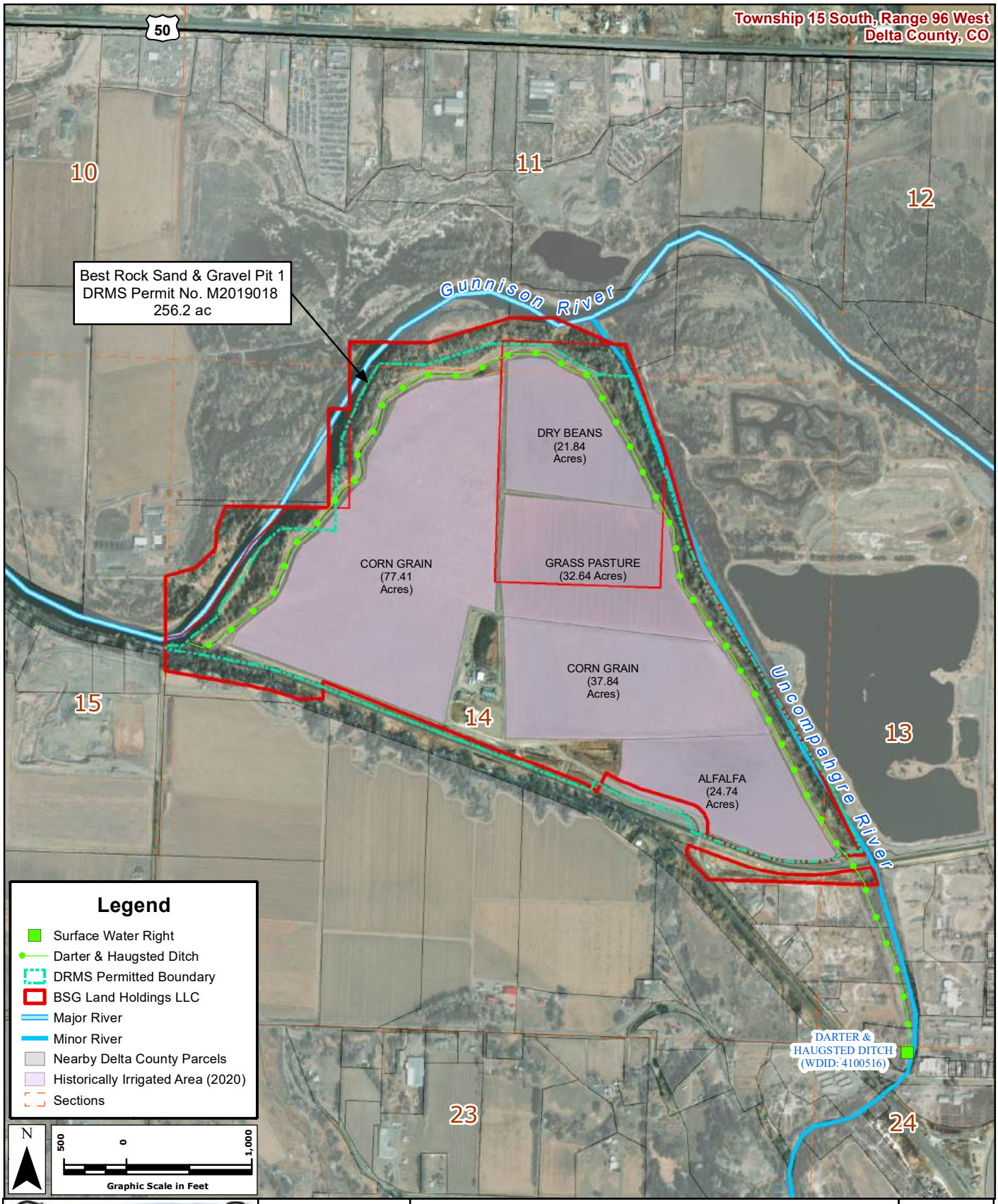
Vicinity Map

Figure: 1

Document Name: 1360 - Figure 1.mxd

Drawn by: MG | Approved by: MJE | Date: 3/7/2025

Client: 1360 - Best Sand & Gravel, LLC



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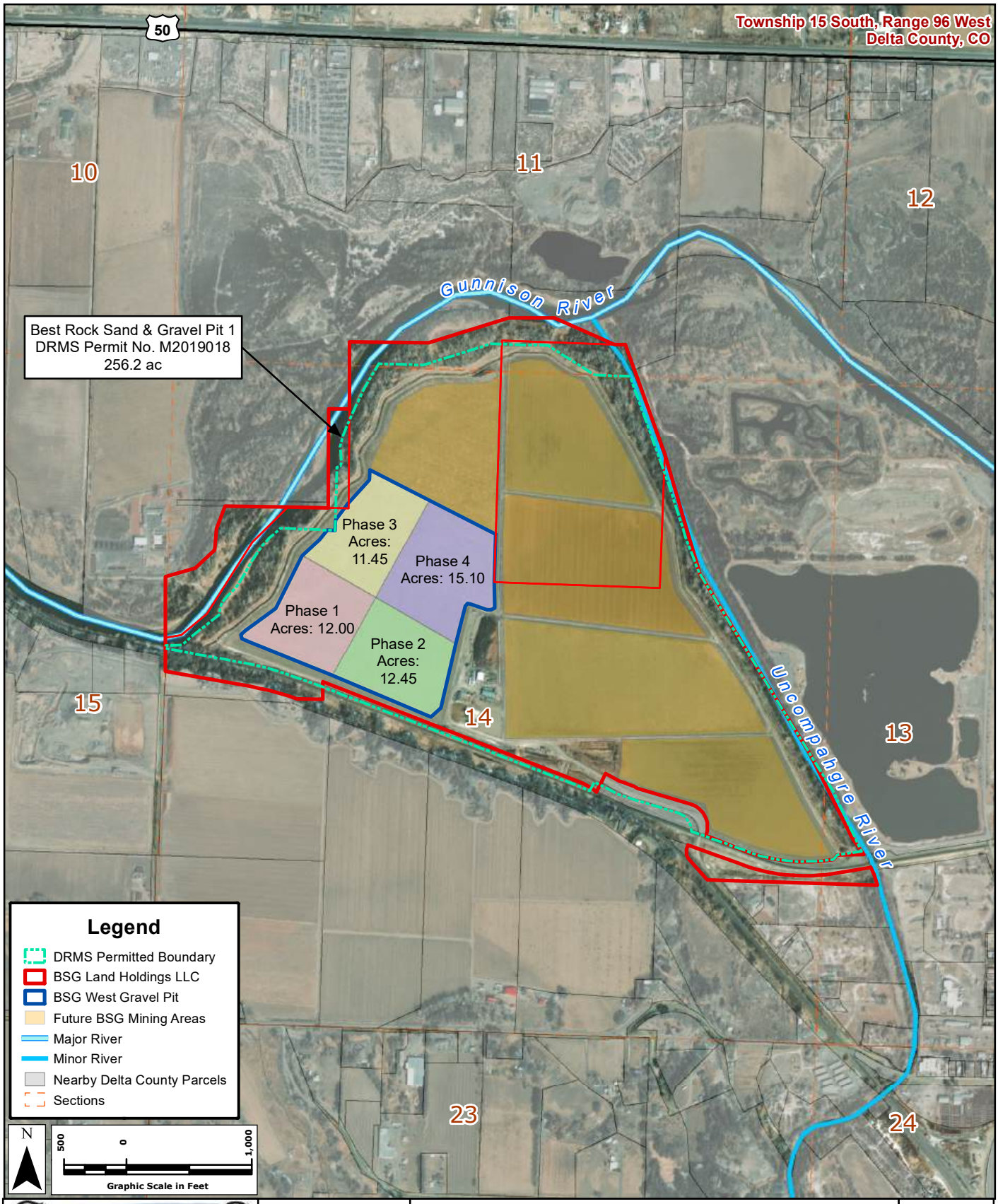
BSG West Gravel Pit

Water Rights and Historically Irrigated Acres Map

Figure: 2

Document Name: 1360 - Figure 2.mxd		Client:
Drawn by: MG	Approved by: MJE Date: 3/7/2025	1360 - Best Sand & Gravel, LLC



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BSG West Gravel Pit

BSG West Gravel Pit Map

Figure: 3

Document Name: 1360 - Figure 3.mxd

Drawn by: MG | Approved by: MJE | Date: 3/7/2025

Client: 1360 - Best Sand & Gravel, LLC

Table 1
Substitute Water Supply Plan Summary Table
Best Sand and Gravel, LLC
BSG West Gravel Pit SWSP

Date: 4/3/2025

Company responsible for Accounting
Name: Michael J. Erion, P.E.
Company: Colorado River Engineering
Address: 136 E 3rd St # C, Rifle, CO 81650
Phone: Office: (970) 625-4933
Email: Michael@ColoradoRiverEng.com

Owner Contact Information
Name: Cole Scott & Reed Seaton
Company: Best Sand and Gravel LLC
Address: 8701 Bee Cave Rd; East Bldg; Suite 310, Austin, TX 78746
Phone: (512) 672-9060 (CS)
Email: cole@rambo-materials.com

Plan Attorney Contact
Name: Kevin L. Patrick
Company: WATERLAW - Patrick, Miller & Noto
Address: 229 Midland Avenue, Basalt, CO 81621
Phone: (970) 920-1030
Email: patrick@waterlaw.com

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
			Demands and Depletions												Augmentation Replacement Sources			
Month	Days in Month	Operation days in month	Water Surface Area	Gross Evaporation	Effective Precipitation	Net Evaporation	Dust Control Diversions	Mined Material	Water Removed w/Mined Material	First Fill Volume	Dewatering Rate	Dewatering Volume	Total Depletions*	Total Lagged Depletions	Gunnison River Call	Out-of-Priority Depletions	Blue Mesa Reservoir Contract	w/ Transit Loss
			AC	AF	AF	AF	AF	Ton	AF	AF	gpd	AF	AF	AF	days	AF	AF	AF
1 Jan	31	22	48.45	5.45	1.16	4.29	0.16	46,512	0.51	3.48	103,102	6.96	**15.41**	**15.77**	31	15.77	**15.77**	**17.35**
2 Feb	28	20	48.45	6.36	1.36	5.00	0.19	46,512	0.51	6.96	113,412	6.96	**19.62**	**16.88**	28	16.88	**16.88**	**18.57**
3 Mar	31	21	48.45	9.99	1.53	8.47	0.29	46,512	0.51	6.96	108,011	6.96	**23.20**	**19.48**	18	11.31	**11.31**	**12.44**
4 Apr	30	22	48.45	16.35	1.78	14.57	0.48	46,512	0.51	6.96	103,102	6.96	**29.49**	**23.43**	10	7.81	**7.81**	**8.59**
5 May	31	22	48.45	21.80	1.95	19.85	0.64	46,512	0.51	6.96	103,102	6.96	**34.93**	**28.41**	1	0.92	**0.92**	**1.01**
6 Jun	30	21	48.45	26.34	1.22	25.13	0.77	46,512	0.51	6.96	108,011	6.96	**40.34**	**33.64**	1	1.12	**1.12**	**1.23**
7 Jul	31	23	48.45	27.25	2.06	25.19	0.80	46,512	0.51	6.96	98,619	6.96	**40.43**	**37.35**	0	0.00	**0.00**	**0.00**
8 Aug	31	22	48.45	24.53	2.32	22.21	0.72	46,512	0.51	6.96	103,102	6.96	**37.37**	**38.09**	0	0.00	**0.00**	**0.00**
9 Sep	30	22	48.45	18.17	3.25	14.92	0.53	46,512	0.51	6.96	103,102	6.96	**29.89**	**35.39**	0	0.00	**0.00**	**0.00**
10 Oct	31	17	48.45	12.72	2.68	10.03	0.37	34,884	0.39	6.96	100,069	5.22	**22.97**	**30.24**	0	0.00	**0.00**	**0.00**
11 Nov	30	10	48.45	7.27	1.41	5.85	0.21	23,256	0.26	5.22	113,412	3.48	**15.03**	**23.83**	0	0.00	**0.00**	**0.00**
12 Dec	31	11	48.45	5.45	1.19	4.26	0.16	23,256	0.26	3.48	103,102	3.48	**11.90**	**18.05**	9	5.24	**5.24**	**5.77**
Total	**365**	**233**		**181.69**	**21.90**	**159.78**	**5.34**	**500,000**	**5.52**	**74.83**		**74.83**	**320.56**	**320.56**	**98**	**59.05**	**59.05**	**64.96**

Notes

(1) Month
(2) Days in Month
(3) Assumption that 5 days per weeks and 52 weeks per year = 260 days per year. For holidays/weather, assume 3/4 operation in October and 1/2 operation in November and December
(4) 51 acres are within the BSG West Gravel Pit boundary. At final reclamation, the are will be an unlined groundwater pond with a 10% surface are loss for backfill. 90% of 51 acres.
(5) Evaporation from the 45.9 acre pond based on NOAA TR-33 annual evaporation maps and the SEO monthly distribution for ponds below 6500 feet.
(6) Monthly precipitation (Prism Climate data - 800m reolution data set of 30 year normal monthly precipitation) * 70%
(7) Calculated as gross evaporation minus the effective precipitation; note that evaporation is calculated for full exposed surface area at end of mining operations (not incrementally).
(8) Assuming 2 acres of dust control at a time for 260 days a year with water usage equal to monthly gross evaporation.
(9) Assumed 500,000 tons of material is removed per year and mining operations occur from January through December (3/4 operation in October, 1/2 operation in November and December)
(10) Per SWSP guidance, saturated material mined in a dewater state results in 2% by weight removal of water. Only 80% of the mined material is saturated (22 feet of 30 feet total depth). Calculated as (0.02 * 0.80 * Mined Material)
(11) Volume of water in ponds to replace volume of removed material beneath the groundwater table (accounted for as a depletion for in the following month due to dewatering)
(12) Equal to dewatering volume converted from AF to gallon divided by the number of operation days per month
(13) Volume of dewatering is equal to first fill volume (not lagged).
(14) Sum of column (7), (8), (10), (11) and (13)*
(15) Column (14) lagged using Glover Analysis URF. Glover analysis assumed that storativity equaled 0.19, transmissivity equaled 46,574 gpd/ft, distance of well (X) is 979 ft, and a no-flow boundary (W) distance is 1780 feet.
(16) Call days on the Gunnison River are based on conversation with Div. 4 engineer. Call days were agreed upon after 2012 BLM operating agreement to increase releases from Blue Mesa Reservoir*
(17) Out-of-priority depletions based on number of call days. Calculated as Column (15) * Column (16) / Column (2)
(18) Amount of Blue Mesa Reservoir contract water that will need to be applied to replace out-of-priority depletions. Equal to column (17)
(19) Amount of contract water Owners will need to purchase accounting for 10% transit loss. Column (18) with 10% added for transit loss.
* Note: For call analysis, it is assumed that the 9 days of call in December include 9 days at full operation (Water removed w/ mined materials in December = water removed in month of full operation - rather than 1/2 operation)

Table 2-A
Pond Evaporation Demand
Best Sand and Gravel, LLC
BSG West Gravel Pit SWSP

Inputs	
~TOTAL MINED SURFACE AREA (ACRES):	51.0
~SURFACE AREA REDUCTION FOR BACKFILL (%):	5%
~TOTAL POND SURFACE AREA (ACRES):	48.5
~TOTAL POND SURFACE AREA (sqft):	2,110,482
~ELEVATION (FEET):	4,925

User Input 0

All other values calculated

(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
			SEO	Gross	Gross	Average	Effective	% of Month	Net Evaporation		**Pond**	**Net Monthly**
	Month	**Days in Month**	Monthly Distribution	Evaporation (in)	Evaporation (ft)	Precip. (in)	Precip. (in)	Avg. Temp. < 32 deg F	(in)	(ft)	**Evaporation (cu ft)**	**Evaporation (AF)**
1	Jan	31	3.0%	1.35	0.11	0.41	0.29	100.0%	1.06	0.09	186954	4.29
2	Feb	28	3.5%	1.58	0.13	0.48	0.34	17.9%	1.24	0.10	217907	5.00
3	Mar	31	5.5%	2.48	0.21	0.54	0.38	0.0%	2.10	0.17	368807	8.47
4	Apr	30	9.0%	4.05	0.34	0.63	0.44	0.0%	3.61	0.30	634727	14.57
5	May	31	12.0%	5.40	0.45	0.69	0.48	0.0%	4.92	0.41	864770	19.85
6	Jun	30	14.5%	6.53	0.54	0.43	0.30	0.0%	6.22	0.52	1094637	25.13
7	Jul	31	15.0%	6.75	0.56	0.73	0.51	0.0%	6.24	0.52	1097275	25.19
8	Aug	31	13.5%	6.08	0.51	0.82	0.57	0.0%	5.50	0.46	967480	22.21
9	Sep	30	10.0%	4.50	0.38	1.15	0.81	0.0%	3.70	0.31	649853	14.92
10	Oct	31	7.0%	3.15	0.26	0.95	0.67	0.0%	2.49	0.21	437046	10.03
11	Nov	30	4.0%	1.80	0.15	0.50	0.35	0.0%	1.45	0.12	255017	5.85
12	Dec	31	3.0%	1.35	0.11	0.42	0.29	93.5%	1.06	0.09	185722	4.26
		TOTAL	**100.0%**	**45.00**	**3.75**	**7.75**	**5.43**		**39.58**	**3.30**	**6960194**	**159.784**

Notes

(1) Month of year
(2) Days in month
(3) State Engineers Office monthly distribution taken from SB 120 guidelines for reservoiurs below 6,500 feet in elevation
(4) Gross annual evaporation rate of 45 inches from NOAA TR NWS-33 (isopleths of shallow lake evaporation); Monthly distrubution by column (3)
(5) Unit conversion of column (4)
(6) From Prism Climate data (800m 30 year normal monthly precipitation)
(7) Assumes 70% of column (6)
(8) The percent of the month that temperatures are equal to or below 32 degrees Farinheit is based on the Prism Climate data (800m 30 year normal daily mean temperature)
(9) Net evaporation equals gross evaporation minus effective precipitation. Adjustments were not made to account for days of ice-cover
(10) Unit conversion of column (9)
(11) Total pond surface area (acres) x evaporation (ft) = surface area * Column (10) (Note 10% reduction of mined surface area for backfill = Pond area of 45.9 acres)
(12) Unit conversion of column (12)

Table 2-B
Dust Control Demand
Best Sand and Gravel, LLC
BSG West Gravel Pit SWSP

(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
							TOTAL	**CORRECTED**
Month		**Days in Month**	**Days of Operation**	Area of Application (ac)	Gross Monthly Evaporation (in)	Gross Monthly Evaporation (ft)	**Water Consumption (AF)**	**Water Consumption (AF)**
1	Jan	31	22.1	2.00	1.35	0.11	0.23	0.16
2	Feb	28	19.9	2.00	1.58	0.13	0.26	0.19
3	Mar	31	22.1	2.00	2.48	0.21	0.41	0.29
4	Apr	30	21.4	2.00	4.05	0.34	0.68	0.48
5	May	31	22.1	2.00	5.40	0.45	0.90	0.64
6	Jun	30	21.4	2.00	6.53	0.54	1.09	0.77
7	Jul	31	22.1	2.00	6.75	0.56	1.13	0.80
8	Aug	31	22.1	2.00	6.08	0.51	1.01	0.72
9	Sep	30	21.4	2.00	4.50	0.38	0.75	0.53
10	Oct	31	22.1	2.00	3.15	0.26	0.53	0.37
11	Nov	30	21.4	2.00	1.80	0.15	0.30	0.21
12	Dec	31	22.1	2.00	1.35	0.11	0.23	0.16
Totals		365	260.0		**45.00**	**3.75**	**7.500**	**5.342**
							6,700 gpd	

Notes

(1) Month
(2) Days in Month
(3) Number of work days in month assuming 52 weeks, 5 days per week (260/365) * Days in Month
(4) Conservative estimate is 2 acres will be operated on any given day
(5) From Pond Evaporation Table
(6) Unit Conversion
(7) Application Area * Gross Evaporation
(8) Assumption that 260/365 days per year are working days. 72% of Total
* gpd calculated as AF converted to gallons divided by working days (260 days)

Table 2-C
Mined Material, First Fill and Dewatering Demands
Best Sand and Gravel, LLC
BSG West Gravel Pit SWSP

(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
					Total Removed Water		**First Fill Analysis**					**Dewatering**			
Month		Mined Material (ton)	Saturated Mined Material (ton)	Percent Water Depletion (%)	**Water Consumption (cu. Ft)**	**Water Consumption (AF)**	Saturated Mined Material (AF)	Total Mined Material (AF)	Backfill Volume (AF)	First Fill Volume (AF)	**First Fill Depletion (AF)**	**Monthly Volume (gal)**	**Days of Work (count)**	**Daily Rate gpd**	**Dewatering Depletion (AF)**
1	Jan	46,512	34,884	2%	22,361.36	0.51	13.35	17.80	2.67	6.96	3.48	2,268,240	22	103102	6.96
2	Feb	46,512	34,884	2%	22,361.36	0.51	13.35	17.80	2.67	6.96	6.96	2,268,240	20	113412	6.96
3	Mar	46,512	34,884	2%	22,361.36	0.51	13.35	17.80	2.67	6.96	6.96	2,268,240	21	108011	6.96
4	Apr	46,512	34,884	2%	22,361.36	0.51	13.35	17.80	2.67	6.96	6.96	2,268,240	22	103102	6.96
5	May	46,512	34,884	2%	22,361.36	0.51	13.35	17.80	2.67	6.96	6.96	2,268,240	22	103102	6.96
6	Jun	46,512	34,884	2%	22,361.36	0.51	13.35	17.80	2.67	6.96	6.96	2,268,240	21	108011	6.96
7	Jul	46,512	34,884	2%	22,361.36	0.51	13.35	17.80	2.67	6.96	6.96	2,268,240	23	98619	6.96
8	Aug	46,512	34,884	2%	22,361.36	0.51	13.35	17.80	2.67	6.96	6.96	2,268,240	22	103102	6.96
9	Sep	46,512	34,884	2%	22,361.36	0.51	13.35	17.80	2.67	6.96	6.96	2,268,240	22	103102	6.96
10	Oct	34,884	26,163	2%	16,771.02	0.39	10.01	13.35	2.00	5.22	6.96	1,701,180	17	100069	5.22
11	Nov	23,256	17,442	2%	11,180.68	0.26	6.67	8.90	1.33	3.48	5.22	1,134,120	10	113412	3.48
12	Dec	23,256	17,442	2%	22,361.36	0.51	6.67	8.90	1.33	3.48	3.48	1,134,120	11	103102	3.48
		500,000	**375,000**		**251,565.30**	**5.775**	**143.48**	**191.31**	**28.70**	**74.83**	**74.830**	**24383584**	**233**		**74.830**

Notes

(1) Month

(2) Mined materal based on 500,000 tons per year mined on schedule outline by Owner

(3) Only 75% of mined materials are assumed to be saturated (rounded up from 71%)

(4) Percent depletion to the Gunnison River by weight per SWSP Guidance for material mined in dewatered state

(5) Volume of groundwater lost with mined materials; Equals (Tons) * (2000 lb per ton) * (% Depletion)*

(6) Column (4) divided by (43560 sq. ft. per 1 acre)

(7) Volume of saturated mined materials including water; Equals Saturated (Tons) * (2000 lb per ton) / (43560 sq. ft. per 1 acre)/ Specifc weight of gravel (120 lb/cuft)

(8) Volume of total mined materials including water; Equals Total (Tons) * (2000 lb per ton) / (43560 sq. ft. per 1 acre)/ Specifc weight of gravel (120 lb/cuft)

(9) Backfill is assumed to be 15% by volume based on top 4 feet of topsoil of full 30 foot depth with a 2:1 side slope (15%) = (0.15 * total mined material)

(10) Volume of first fill equals sat mined material less back fill multimplied by porosity factor, all minus removed water; Equal to [(7)-(8) * (1-porosity)]-(6)

(11) Volume of water in ponds to replace volume of removed material beneath the groundwater table (accounted for as a depletion for in the following month due to dewatering)

(12) Column (10) converted from AF to gal

(13) Operational days based on mining schedule. See note (2).

(14) Monthly gallons divided by days of work = Column (12)/ Column (13)

(15) Volume of dewatering is equal to first fill volume (not lagged).

* The December cell will need to be manually checked. For the call analysis, the number of days of call should assume that each day is at full operation (not 1/2 operation)
Value adjusted to equal amount that will be mined at full operation for the augmentation analysis. Actual value is 0.27 AF (5.89 AF annually)
First fill volume references amount of material mined at 1/2 operaiton.

Table 2-D
Consumptive Water Demands
Best Sand and Gravel, LLC
BSG West Gravel Pit SWSP

(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
			Demand						Consumptive Demand						Lagged Depletions
Month		Days in Month	Pond Evap (af)	Dust Control (af)	Mining Removal (af)	First Fill (af)	Dewatering (af)	Total (af)	Pond Evap (af)	Dust Control (af)	Mining Removal (af)	First Fill (af)	Dewatering (af)	Total (af)	To Gunnison River (af)
1	Jan	31	4.292	0.160	0.513	3.480	6.961	**15.41**	4.292	0.160	0.513	3.480	6.961	**15.41**	**15.77**
2	Feb	28	5.002	0.187	0.513	6.961	6.961	**19.62**	5.002	0.187	0.513	6.961	6.961	**19.62**	**16.88**
3	Mar	31	8.467	0.294	0.513	6.961	6.961	**23.20**	8.467	0.294	0.513	6.961	6.961	**23.20**	**19.48**
4	Apr	30	14.571	0.481	0.513	6.961	6.961	**29.49**	14.571	0.481	0.513	6.961	6.961	**29.49**	**23.43**
5	May	31	19.852	0.641	0.513	6.961	6.961	**34.93**	19.852	0.641	0.513	6.961	6.961	**34.93**	**28.41**
6	Jun	30	25.129	0.775	0.513	6.961	6.961	**40.34**	25.129	0.775	0.513	6.961	6.961	**40.34**	**33.64**
7	Jul	31	25.190	0.801	0.513	6.961	6.961	**40.43**	25.190	0.801	0.513	6.961	6.961	**40.43**	**37.35**
8	Aug	31	22.210	0.721	0.513	6.961	6.961	**37.37**	22.210	0.721	0.513	6.961	6.961	**37.37**	**38.09**
9	Sep	30	14.919	0.534	0.513	6.961	6.961	**29.89**	14.919	0.534	0.513	6.961	6.961	**29.89**	**35.39**
10	Oct	31	10.033	0.374	0.385	6.961	5.221	**22.97**	10.033	0.374	0.385	6.961	5.221	**22.97**	**30.24**
11	Nov	30	5.854	0.214	0.257	5.221	3.480	**15.03**	5.854	0.214	0.257	5.221	3.480	**15.03**	**23.83**
12	Dec	31	4.264	0.160	0.513	3.480	3.480	**11.90**	4.264	0.160	0.513	3.480	3.480	**11.90**	**18.05**
		Totals:	**159.784**	**5.342**	**5.775**	**74.830**	**74.830**	**320.56**	**159.784**	**5.342**	**5.775**	**74.830**	**74.830**	**320.56**	**320.56**

Notes

(1) Month of year
(2) Days in month
(3) Evaporation from pond based on analysis outlined in SWSP guideance document
(4) Water utilized for dust supression on-site
(5) Water retained in mined material based on 500,000 tons mined per year with 2% depletion**
(6) Water that ponds due to removed material. Lagged one month because mining occurs in dewatered state
(7) Water used to dewater pond for "dry-mining". Equal to first fill (not lagged 1 month)
(8) Sum of column (3) through (7)
(9) 100% Consumptive
(10) 100% Consumptive
(11) 100% Consumptive
(12) 100% Consumptive
(13) 100% Consumptive
(14) Sum of column (9) through (13)
(15) Lagged depletion the Gunnison River

* Note: Glover analysis assumed that all water returns to Gunnison River and used the following variables
Specific Yield = 0.19
Transmissivity = 46,574 gallons per day per foot
Distance of well (X) = 979 ft
No-flow boundary distance (W) = 1780 feet

** The December cell ia manually checked. For the call analysis, the number of days of call should assume that each day is at full operation (not 1/2 operation)
Value adjusted to equal amount that will be mined at full operation. First fill volume references amount of material mined at 1/2 operaiton.

Table 2-E
Glover Analysis for Lagged Depletions
Best Sand and Gravel, LLC
BSG West Gravel Pit SWSP

(1)		(2)		(3)	(4)	(5)	(6)	(7)
Raw Data from Glover Analysis		**Transposed Raw Glover Data**		**BSG West Gravel Pit Lagged Depletions**				
Months After Depletion	Lagged return of Depletion (ratio of depletion)	Month	Lagged return of Depletion (ratio of depletion)	Month	Total Depletions	Lagged Depletions	Return Flow	Net Depletion
	(%)		(%)		(af)	(af)	(af)	(af)
1	30.55%	12	0.09%	Nov-22	15.026	4.590	0.000	10.436
2	38.38%	11	0.07%	Dec-22	11.898	9.402	0.000	2.496
3	16.81%	10	0.02%	Jan-23	15.407	11.799	0.000	3.608
4	7.68%	9	0.04%	Feb-23	19.625	15.063	0.000	4.562
5	3.49%	8	0.24%	Mar-23	23.196	18.646	0.000	4.549
6	1.69%	7	0.94%	Apr-23	29.487	23.062	0.000	6.425
7	0.94%	6	1.69%	May-23	34.929	28.274	0.000	6.654
8	0.24%	5	3.49%	Jun-23	40.339	33.561	0.000	6.779
9	0.04%	4	7.68%	Jul-23	40.427	37.289	0.000	3.137
10	0.02%	3	16.81%	Aug-23	37.367	38.045	0.000	0.000
11	0.07%	2	38.38%	Sep-23	29.888	35.368	0.000	0.000
12	0.09%	1	30.55%	Oct-23	22.974	30.239	0.000	0.000
	100.000%		**100.000%**	Nov-23	15.026	**23.828**	0.000	0.000
				Dec-23	11.898	**18.054**	0.000	0.000
				Jan-24	15.407	**15.769**	0.000	0.000
				Feb-24	19.625	**16.882**	0.000	2.742
				Mar-24	23.196	**19.480**	0.000	3.715
				Apr-24	29.487	**23.433**	0.000	6.055
				May-24	34.929	**28.414**	0.000	6.515
				Jun-24	40.339	**33.639**	0.000	6.701
				Jul-24	40.427	**37.348**	0.000	3.078
				Aug-24	37.367	**38.088**	0.000	0.000
				Sep-24	29.888	**35.388**	0.000	0.000
				Oct-24	22.974	**30.239**	0.000	0.000
				Nov-24	15.026	23.828	0.000	0.000
				Dec-24	11.898	18.054	0.000	0.000

Notes

(1) Glover analysis done using Well Pumping Design Model (WPDM) by Western Water Consulting, Inc.
Glover analysis assumed that all water returns to Gunnison River and used the following variables:
Specific Yield = 0.19
Transmissivity = 46,574 gallons per day per foot
Distance of well (X) = 979 ft
No-flow boundary distance (W) = 1780 feet

(2) Raw Data transposed in reverse order for use in lagging calculations

(3) Data for 2 years used to show full effect of lagging. Only data in yellow highlighted cells are in curren

(4) Monthly Depletions linked Consumptive Water Demand Table 2-D

(5) Lagged diversion calculated as the sumproduct of the 12 months of RF* values from column (2) and the previous 12 months of well diversion data in column (3) including the current month.
Note: The bold data in column (5) is linked to the Consumptive Water Demand Table 2-D.

(6) Lagged diversion multipied by decreed return %. All demands are 100% consumptive, 0% Return

(7) Net depletion is equal to column (4) - (5). Net depletion cannot be less than 0

* RF values represent the percentage of well diversion to be lagged each previous month

Table 2-F
Augmentation Requirements and Replacement
Best Sand and Gravel, LLC
BSG West Gravel Pit SWSP

(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)
				Gunnison River Call			Replacement Sources	
Month		Days in Month	Total Lagged Depletions (af)	Number of Call Days (count)	Out-of-Priority Depletions (af)	Augmentation Requirement (af)	Blue Mesa Reservoir Applied (af)	Blue Mesa Reservoir Release (w/ 10% Transit Loss) (af)
1	Jan	31	15.77	31	15.77	15.77	**15.77**	**17.35**
2	Feb	28	16.88	28	16.88	16.88	**16.88**	**18.57**
3	Mar	31	19.48	18	11.31	11.31	**11.31**	**12.44**
4	Apr	30	23.43	10	7.81	7.81	**7.81**	**8.59**
5	May	31	28.41	1	0.92	0.92	**0.92**	**1.01**
6	Jun	30	33.64	1	1.12	1.12	**1.12**	**1.23**
7	Jul	31	37.35	0	0.00	0.00	**0.00**	**0.00**
8	Aug	31	38.09	0	0.00	0.00	**0.00**	**0.00**
9	Sep	30	35.39	0	0.00	0.00	**0.00**	**0.00**
10	Oct	31	30.24	0	0.00	0.00	**0.00**	**0.00**
11	Nov	30	23.83	0	0.00	0.00	**0.00**	**0.00**
12	Dec	31	18.05	9	5.24	5.24	**5.24**	**5.77**
Total			320.56	98	59.05	**59.053**	**59.05**	**64.96**

Notes

(1) Month of year
(2) Days in month
(3) Total lagged depletions from Demand Table 2-D
(4) Call days based on conversation with Div. 4 engineer. Call days are impacted by a 2012 BLM operating agreement for Blue Mesa Reservoir
(5) Out-of-priority depletions to the Gunnison River. Equals lagged depletions * days of call / days in month
(6) Required augmentation to replace Gunnison River out-of-priority depletions. Equals Column (5)
(7) Water Applied from Blue Mesa Reservoir contract water. Equal to column (6)
(8) Release required from Blue Mesa Reservoir, accounting for 10% transit loss. Equal to column (7) * 1.1

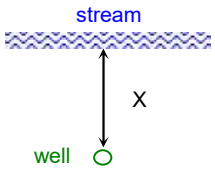
Well Pumping Depletion Model (WPDM)

1. Enter Project Description:

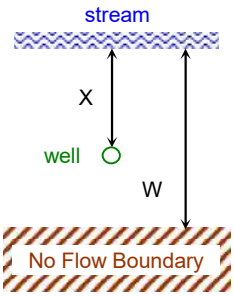
Best Sand and Gravel, LLC
BSG West Gravel Pit
for
SWSP-2025

2. Select One of the Following Four Aquifer Options:

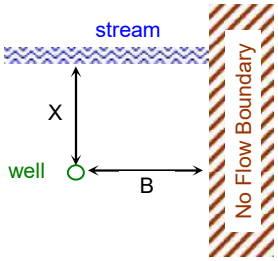
Option No. 1



Option No. 2



Option No. 3



Option No. 4

Boundary affects approximated by use of an effective stream depletion factor (sdf).

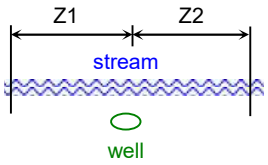
Option No. 1

3. Enter Physical Characteristics:

Clear Data: Click to Clear Data

Aquifer Transmissivity (gpd/ft):	46,574	(Required for Option Nos. 1, 2, or 3 only)
Aquifer Specific Yield:	0.19000	(Required for Option Nos. 1, 2, or 3 only)
Distance X (feet):	979	(Required for Option Nos. 1, 2, or 3 only)
Distance W (feet):	1,780	(Option No. 2 only)
Distance B (feet):		(Option No. 3 only)
sdf:		(Option No. 4 only)

For Option Nos. 1, 2, or 3, do you want to compute depletion for a segment of the stream? No



*Distance Z1 (feet):		(enter -99999 for negative infinity)
*Distance Z2 (feet):		(enter 99999 for infinity)

* Z1 can not exceed Z2, and Z2 can not exceed B.

Project Data Summary	
Aquifer Option:	Option No. 1
Transmissivity (gpd/ft):	46,574
Specific Yield:	0.19
Distance X (ft):	979
Distance W (ft):	1,780
Distance B (ft):	0
sdf:	0
Compute Depletion for Stream Segment?:	No
Distance Z1 (ft):	0
Distance Z2 (ft):	0

1. Clear All Previous Pumping Data and Depletion Results (including Item Nos. 3 and 4):

Click to Clear Previous Data & Results

2. Select Time Units:

3) Months

3. Enter Number of Pumping Periods: 840

Notes: a) Can not be greater than 3,600 periods.
b) execution time is faster if fewer pumping periods used.

4. Enter Starting Date: 1/1/1960

(e.g., enter 12/01/1950 for December 1, 1950)

5. Pumping Schedule and Depletion Results:

a) Below, enter the Pumping Rate (Col C, yellow cells) corresponding with the associated Pumping Period.

b) Cyclical Data Entry Option (not required):

Enter the number of pumping periods to cycle: 12
Enter the number of cycles: 70
Enter the pumping rates to cycle (Col C, yellow cells).
Click button to cycle data: Cycle Data

c) After the data have been entered, click on the button below to calculate the resulting stream depletion.

Calculate Stream Depletion

6. Graph:

Select Data to Graph - 6) Volume of Depletion this period

Click Button to Create Graph - Create Graph

Pumping Schedule			Pumping Summary		Depletion Summary		
Date	Pumping Period (months)	Pumping Rate (gpm)	Volume Pumped This Period (acre-feet)	Cumul. Volume Pumped (acre-feet)	Depletion Rate (gpm)	Volume of Depletion (acre-feet)	Volume of Depletion This Period (acre-feet)
1/1/1960	1	7.44	1.00	1.00	3.63	0.29	0.29
2/1/1960	2	0.00	0.00	1.00	1.01	0.57	0.28
3/1/1960	3	0.00	0.00	1.00	0.48	0.66	0.09
4/1/1960	4	0.00	0.00	1.00	0.30	0.71	0.05
5/1/1960	5	0.00	0.00	1.00	0.21	0.74	0.03
6/1/1960	6	0.00	0.00	1.00	0.15	0.77	0.02
7/1/1960	7	0.00	0.00	1.00	0.12	0.79	0.02
8/1/1960	8	0.00	0.00	1.00	0.10	0.80	0.01
9/1/1960	9	0.00	0.00	1.00	0.08	0.81	0.01
10/1/1960	10	0.00	0.00	1.00	0.07	0.82	0.01
11/1/1960	11	0.00	0.00	1.00	0.06	0.83	0.01
12/1/1960	12	0.00	0.00	1.00	0.05	0.84	0.01
1/1/1961	13	7.44	1.00	2.00	3.68	1.13	0.29
2/1/1961	14	0.00	0.00	2.00	1.05	1.42	0.28
3/1/1961	15	0.00	0.00	2.00	0.52	1.51	0.10
4/1/1961	16	0.00	0.00	2.00	0.33	1.57	0.06
5/1/1961	17	0.00	0.00	2.00	0.24	1.61	0.04
6/1/1961	18	0.00	0.00	2.00	0.18	1.64	0.03
7/1/1961	19	0.00	0.00	2.00	0.15	1.66	0.02
8/1/1961	20	0.00	0.00	2.00	0.12	1.68	0.02
9/1/1961	21	0.00	0.00	2.00	0.10	1.69	0.01
10/1/1961	22	0.00	0.00	2.00	0.09	1.70	0.01
11/1/1961	23	0.00	0.00	2.00	0.08	1.71	0.01
12/1/1961	24	0.00	0.00	2.00	0.07	1.72	0.01
1/1/1962	25	7.44	1.00	3.00	3.69	2.02	0.30
2/1/1962	26	0.00	0.00	3.00	1.07	2.31	0.29
3/1/1962	27	0.00	0.00	3.00	0.54	2.41	0.10
4/1/1962	28	0.00	0.00	3.00	0.34	2.46	0.06
5/1/1962	29	0.00	0.00	3.00	0.25	2.50	0.04
6/1/1962	30	0.00	0.00	3.00	0.19	2.53	0.03
7/1/1962	31	0.00	0.00	3.00	0.16	2.56	0.02
8/1/1962	32	0.00	0.00	3.00	0.13	2.58	0.02
9/1/1962	33	0.00	0.00	3.00	0.11	2.59	0.02
10/1/1962	34	0.00	0.00	3.00	0.10	2.61	0.01
11/1/1962	35	0.00	0.00	3.00	0.09	2.62	0.01
12/1/1962	36	0.00	0.00	3.00	0.08	2.63	0.01
1/1/1963	37	7.44	1.00	4.00	3.70	2.93	0.30
2/1/1963	38	0.00	0.00	4.00	1.08	3.22	0.29
3/1/1963	39	0.00	0.00	4.00	0.54	3.32	0.10
4/1/1963	40	0.00	0.00	4.00	0.35	3.38	0.06
5/1/1963	41	0.00	0.00	4.00	0.26	3.42	0.04
6/1/1963	42	0.00	0.00	4.00	0.20	3.45	0.03
7/1/1963	43	0.00	0.00	4.00	0.17	3.47	0.02
8/1/1963	44	0.00	0.00	4.00	0.14	3.49	0.02
9/1/1963	45	0.00	0.00	4.00	0.12	3.51	0.02
10/1/1963	46	0.00	0.00	4.00	0.11	3.53	0.02
11/1/1963	47	0.00	0.00	4.00	0.09	3.54	0.01
12/1/1963	48	0.00	0.00	4.00	0.09	3.55	0.01
1/1/1964	49	7.44	1.00	5.00	3.71	3.85	0.30
2/1/1964	50	0.00	0.00	5.00	1.08	4.14	0.29
3/1/1964	51	0.00	0.00	5.00	0.55	4.24	0.10
4/1/1964	52	0.00	0.00	5.00	0.36	4.30	0.06
5/1/1964	53	0.00	0.00	5.00	0.26	4.34	0.04
6/1/1964	54	0.00	0.00	5.00	0.21	4.37	0.03
7/1/1964	55	0.00	0.00	5.00	0.17	4.40	0.03
8/1/1964	56	0.00	0.00	5.00	0.14	4.42	0.02
9/1/1964	57	0.00	0.00	5.00	0.13	4.44	0.02
10/1/1964	58	0.00	0.00	5.00	0.11	4.45	0.02
11/1/1964	59	0.00	0.00	5.00	0.10	4.47	0.01
12/1/1964	60	0.00	0.00	5.00	0.09	4.48	0.01
1/1/1965	61	7.44	1.00	6.00	3.71	4.78	0.30
2/1/1965	62	0.00	0.00	6.00	1.09	5.07	0.29
3/1/1965	63	0.00	0.00	6.00	0.55	5.17	0.10
4/1/1965	64	0.00	0.00	6.00	0.36	5.23	0.06
5/1/1965	65	0.00	0.00	6.00	0.27	5.27	0.04

Pumping Schedule			Pumping Summary		Depletion Summary		
Date	Pumping Period (months)	Pumping Rate (gpm)	Volume Pumped This Period (acre-feet)	Cumul. Volume Pumped (acre-feet)	Depletion Rate (gpm)	Volume of Depletion (acre-feet)	Volume of Depletion This Period (acre-feet)
6/1/1965	66	0.00	0.00	6.00	0.21	5.30	0.03
7/1/1965	67	0.00	0.00	6.00	0.17	5.33	0.03
8/1/1965	68	0.00	0.00	6.00	0.15	5.35	0.02
9/1/1965	69	0.00	0.00	6.00	0.13	5.37	0.02
10/1/1965	70	0.00	0.00	6.00	0.11	5.39	0.02
11/1/1965	71	0.00	0.00	6.00	0.10	5.40	0.01
12/1/1965	72	0.00	0.00	6.00	0.09	5.41	0.01
1/1/1966	73	7.44	1.00	7.00	3.72	5.71	0.30
2/1/1966	74	0.00	0.00	7.00	1.09	6.00	0.29
3/1/1966	75	0.00	0.00	7.00	0.56	6.11	0.10
4/1/1966	76	0.00	0.00	7.00	0.37	6.17	0.06
5/1/1966	77	0.00	0.00	7.00	0.27	6.21	0.04
6/1/1966	78	0.00	0.00	7.00	0.21	6.24	0.03
7/1/1966	79	0.00	0.00	7.00	0.18	6.27	0.03
8/1/1966	80	0.00	0.00	7.00	0.15	6.29	0.02
9/1/1966	81	0.00	0.00	7.00	0.13	6.31	0.02
10/1/1966	82	0.00	0.00	7.00	0.12	6.32	0.02
11/1/1966	83	0.00	0.00	7.00	0.11	6.34	0.01
12/1/1966	84	0.00	0.00	7.00	0.10	6.35	0.01
1/1/1967	85	7.44	1.00	8.00	3.72	6.65	0.30
2/1/1967	86	0.00	0.00	8.00	1.09	6.94	0.29
3/1/1967	87	0.00	0.00	8.00	0.56	7.05	0.10
4/1/1967	88	0.00	0.00	8.00	0.37	7.11	0.06
5/1/1967	89	0.00	0.00	8.00	0.27	7.15	0.04
6/1/1967	90	0.00	0.00	8.00	0.22	7.18	0.03
7/1/1967	91	0.00	0.00	8.00	0.18	7.21	0.03
8/1/1967	92	0.00	0.00	8.00	0.15	7.23	0.02
9/1/1967	93	0.00	0.00	8.00	0.13	7.25	0.02
10/1/1967	94	0.00	0.00	8.00	0.12	7.27	0.02
11/1/1967	95	0.00	0.00	8.00	0.11	7.28	0.02
12/1/1967	96	0.00	0.00	8.00	0.10	7.30	0.01
1/1/1968	97	7.44	1.00	9.00	3.72	7.60	0.30
2/1/1968	98	0.00	0.00	9.00	1.09	7.89	0.29
3/1/1968	99	0.00	0.00	9.00	0.56	7.99	0.10
4/1/1968	100	0.00	0.00	9.00	0.37	8.05	0.06
5/1/1968	101	0.00	0.00	9.00	0.27	8.09	0.04
6/1/1968	102	0.00	0.00	9.00	0.22	8.13	0.03
7/1/1968	103	0.00	0.00	9.00	0.18	8.15	0.03
8/1/1968	104	0.00	0.00	9.00	0.16	8.18	0.02
9/1/1968	105	0.00	0.00	9.00	0.14	8.20	0.02
10/1/1968	106	0.00	0.00	9.00	0.12	8.21	0.02
11/1/1968	107	0.00	0.00	9.00	0.11	8.23	0.02
12/1/1968	108	0.00	0.00	9.00	0.10	8.24	0.01
1/1/1969	109	7.44	1.00	10.00	3.72	8.54	0.30
2/1/1969	110	0.00	0.00	10.00	1.10	8.83	0.29
3/1/1969	111	0.00	0.00	10.00	0.56	8.94	0.10
4/1/1969	112	0.00	0.00	10.00	0.37	9.00	0.06
5/1/1969	113	0.00	0.00	10.00	0.28	9.04	0.04
6/1/1969	114	0.00	0.00	10.00	0.22	9.08	0.03
7/1/1969	115	0.00	0.00	10.00	0.18	9.10	0.03
8/1/1969	116	0.00	0.00	10.00	0.16	9.13	0.02
9/1/1969	117	0.00	0.00	10.00	0.14	9.15	0.02
10/1/1969	118	0.00	0.00	10.00	0.12	9.16	0.02
11/1/1969	119	0.00	0.00	10.00	0.11	9.18	0.02
12/1/1969	120	0.00	0.00	10.00	0.10	9.19	0.01
1/1/1970	121	7.44	1.00	11.00	3.72	9.49	0.30
2/1/1970	122	0.00	0.00	11.00	1.10	9.78	0.29
3/1/1970	123	0.00	0.00	11.00	0.56	9.89	0.10
4/1/1970	124	0.00	0.00	11.00	0.37	9.95	0.06
5/1/1970	125	0.00	0.00	11.00	0.28	9.99	0.04
6/1/1970	126	0.00	0.00	11.00	0.22	10.03	0.03
7/1/1970	127	0.00	0.00	11.00	0.18	10.05	0.03
8/1/1970	128	0.00	0.00	11.00	0.16	10.08	0.02
9/1/1970	129	0.00	0.00	11.00	0.14	10.10	0.02
10/1/1970	130	0.00	0.00	11.00	0.12	10.11	0.02

Pumping Schedule			Pumping Summary		Depletion Summary		
Date	Pumping Period (months)	Pumping Rate (gpm)	Volume Pumped This Period (acre-feet)	Cumul. Volume Pumped (acre-feet)	Depletion Rate (gpm)	Volume of Depletion (acre-feet)	Volume of Depletion This Period (acre-feet)
11/1/1970	131	0.00	0.00	11.00	0.11	10.13	0.02
12/1/1970	132	0.00	0.00	11.00	0.10	10.14	0.01
1/1/1971	133	7.44	1.00	12.00	3.73	10.45	0.30
2/1/1971	134	0.00	0.00	12.00	1.10	10.74	0.29
3/1/1971	135	0.00	0.00	12.00	0.57	10.84	0.10
4/1/1971	136	0.00	0.00	12.00	0.37	10.90	0.06
5/1/1971	137	0.00	0.00	12.00	0.28	10.95	0.04
6/1/1971	138	0.00	0.00	12.00	0.22	10.98	0.03
7/1/1971	139	0.00	0.00	12.00	0.19	11.01	0.03
8/1/1971	140	0.00	0.00	12.00	0.16	11.03	0.02
9/1/1971	141	0.00	0.00	12.00	0.14	11.05	0.02
10/1/1971	142	0.00	0.00	12.00	0.13	11.07	0.02
11/1/1971	143	0.00	0.00	12.00	0.11	11.08	0.02
12/1/1971	144	0.00	0.00	12.00	0.10	11.10	0.01
1/1/1972	145	7.44	1.00	13.00	3.73	11.40	0.30
2/1/1972	146	0.00	0.00	13.00	1.10	11.69	0.29
3/1/1972	147	0.00	0.00	13.00	0.57	11.80	0.10
4/1/1972	148	0.00	0.00	13.00	0.38	11.86	0.06
5/1/1972	149	0.00	0.00	13.00	0.28	11.90	0.04
6/1/1972	150	0.00	0.00	13.00	0.22	11.93	0.03
7/1/1972	151	0.00	0.00	13.00	0.19	11.96	0.03
8/1/1972	152	0.00	0.00	13.00	0.16	11.98	0.02
9/1/1972	153	0.00	0.00	13.00	0.14	12.00	0.02
10/1/1972	154	0.00	0.00	13.00	0.13	12.02	0.02
11/1/1972	155	0.00	0.00	13.00	0.11	12.04	0.02
12/1/1972	156	0.00	0.00	13.00	0.11	12.05	0.01
1/1/1973	157	7.44	1.00	14.00	3.73	12.35	0.30
2/1/1973	158	0.00	0.00	14.00	1.10	12.65	0.29
3/1/1973	159	0.00	0.00	14.00	0.57	12.75	0.10
4/1/1973	160	0.00	0.00	14.00	0.38	12.81	0.06
5/1/1973	161	0.00	0.00	14.00	0.28	12.86	0.04
6/1/1973	162	0.00	0.00	14.00	0.22	12.89	0.03
7/1/1973	163	0.00	0.00	14.00	0.19	12.92	0.03
8/1/1973	164	0.00	0.00	14.00	0.16	12.94	0.02
9/1/1973	165	0.00	0.00	14.00	0.14	12.96	0.02
10/1/1973	166	0.00	0.00	14.00	0.13	12.98	0.02
11/1/1973	167	0.00	0.00	14.00	0.12	13.00	0.02
12/1/1973	168	0.00	0.00	14.00	0.11	13.01	0.01
1/1/1974	169	7.44	1.00	15.00	3.73	13.31	0.30
2/1/1974	170	0.00	0.00	15.00	1.10	13.60	0.29
3/1/1974	171	0.00	0.00	15.00	0.57	13.71	0.11
4/1/1974	172	0.00	0.00	15.00	0.38	13.77	0.06
5/1/1974	173	0.00	0.00	15.00	0.28	13.81	0.04
6/1/1974	174	0.00	0.00	15.00	0.23	13.85	0.03
7/1/1974	175	0.00	0.00	15.00	0.19	13.88	0.03
8/1/1974	176	0.00	0.00	15.00	0.16	13.90	0.02
9/1/1974	177	0.00	0.00	15.00	0.14	13.92	0.02
10/1/1974	178	0.00	0.00	15.00	0.13	13.94	0.02
11/1/1974	179	0.00	0.00	15.00	0.12	13.95	0.02
12/1/1974	180	0.00	0.00	15.00	0.11	13.97	0.02
1/1/1975	181	7.44	1.00	16.00	3.73	14.27	0.30
2/1/1975	182	0.00	0.00	16.00	1.10	14.56	0.29
3/1/1975	183	0.00	0.00	16.00	0.57	14.67	0.11
4/1/1975	184	0.00	0.00	16.00	0.38	14.73	0.06
5/1/1975	185	0.00	0.00	16.00	0.28	14.77	0.04
6/1/1975	186	0.00	0.00	16.00	0.23	14.81	0.03
7/1/1975	187	0.00	0.00	16.00	0.19	14.84	0.03
8/1/1975	188	0.00	0.00	16.00	0.16	14.86	0.02
9/1/1975	189	0.00	0.00	16.00	0.14	14.88	0.02
10/1/1975	190	0.00	0.00	16.00	0.13	14.90	0.02
11/1/1975	191	0.00	0.00	16.00	0.12	14.91	0.02
12/1/1975	192	0.00	0.00	16.00	0.11	14.93	0.02
1/1/1976	193	7.44	1.00	17.00	3.73	15.23	0.30
2/1/1976	194	0.00	0.00	17.00	1.10	15.52	0.29
3/1/1976	195	0.00	0.00	17.00	0.57	15.63	0.11

Pumping Schedule			Pumping Summary		Depletion Summary		
Date	Pumping Period (months)	Pumping Rate (gpm)	Volume Pumped This Period (acre-feet)	Cumul. Volume Pumped (acre-feet)	Depletion Rate (gpm)	Volume of Depletion (acre-feet)	Volume of Depletion This Period (acre-feet)
4/1/1976	196	0.00	0.00	17.00	0.38	15.69	0.06
5/1/1976	197	0.00	0.00	17.00	0.28	15.73	0.04
6/1/1976	198	0.00	0.00	17.00	0.23	15.77	0.03
7/1/1976	199	0.00	0.00	17.00	0.19	15.80	0.03
8/1/1976	200	0.00	0.00	17.00	0.16	15.82	0.02
9/1/1976	201	0.00	0.00	17.00	0.15	15.84	0.02
10/1/1976	202	0.00	0.00	17.00	0.13	15.86	0.02
11/1/1976	203	0.00	0.00	17.00	0.12	15.88	0.02
12/1/1976	204	0.00	0.00	17.00	0.11	15.89	0.02
1/1/1977	205	7.44	1.00	18.00	3.73	16.19	0.30
2/1/1977	206	0.00	0.00	18.00	1.10	16.48	0.29
3/1/1977	207	0.00	0.00	18.00	0.57	16.59	0.11
4/1/1977	208	0.00	0.00	18.00	0.38	16.65	0.06
5/1/1977	209	0.00	0.00	18.00	0.28	16.70	0.04
6/1/1977	210	0.00	0.00	18.00	0.23	16.73	0.03
7/1/1977	211	0.00	0.00	18.00	0.19	16.76	0.03
8/1/1977	212	0.00	0.00	18.00	0.16	16.78	0.02
9/1/1977	213	0.00	0.00	18.00	0.15	16.80	0.02
10/1/1977	214	0.00	0.00	18.00	0.13	16.82	0.02
11/1/1977	215	0.00	0.00	18.00	0.12	16.84	0.02
12/1/1977	216	0.00	0.00	18.00	0.11	16.85	0.02
1/1/1978	217	7.44	1.00	19.00	3.73	17.15	0.30
2/1/1978	218	0.00	0.00	19.00	1.11	17.45	0.29
3/1/1978	219	0.00	0.00	19.00	0.57	17.55	0.11
4/1/1978	220	0.00	0.00	19.00	0.38	17.61	0.06
5/1/1978	221	0.00	0.00	19.00	0.28	17.66	0.04
6/1/1978	222	0.00	0.00	19.00	0.23	17.69	0.03
7/1/1978	223	0.00	0.00	19.00	0.19	17.72	0.03
8/1/1978	224	0.00	0.00	19.00	0.17	17.74	0.02
9/1/1978	225	0.00	0.00	19.00	0.15	17.77	0.02
10/1/1978	226	0.00	0.00	19.00	0.13	17.78	0.02
11/1/1978	227	0.00	0.00	19.00	0.12	17.80	0.02
12/1/1978	228	0.00	0.00	19.00	0.11	17.82	0.02
1/1/1979	229	7.44	1.00	20.00	3.73	18.12	0.30
2/1/1979	230	0.00	0.00	20.00	1.11	18.41	0.29
3/1/1979	231	0.00	0.00	20.00	0.57	18.52	0.11
4/1/1979	232	0.00	0.00	20.00	0.38	18.58	0.06
5/1/1979	233	0.00	0.00	20.00	0.29	18.62	0.04
6/1/1979	234	0.00	0.00	20.00	0.23	18.66	0.03
7/1/1979	235	0.00	0.00	20.00	0.19	18.68	0.03
8/1/1979	236	0.00	0.00	20.00	0.17	18.71	0.02
9/1/1979	237	0.00	0.00	20.00	0.15	18.73	0.02
10/1/1979	238	0.00	0.00	20.00	0.13	18.75	0.02
11/1/1979	239	0.00	0.00	20.00	0.12	18.76	0.02
12/1/1979	240	0.00	0.00	20.00	0.11	18.78	0.02
1/1/1980	241	7.44	1.00	21.00	3.73	19.08	0.30
2/1/1980	242	0.00	0.00	21.00	1.11	19.37	0.29
3/1/1980	243	0.00	0.00	21.00	0.57	19.48	0.11
4/1/1980	244	0.00	0.00	21.00	0.38	19.54	0.06
5/1/1980	245	0.00	0.00	21.00	0.29	19.59	0.04
6/1/1980	246	0.00	0.00	21.00	0.23	19.62	0.03
7/1/1980	247	0.00	0.00	21.00	0.19	19.65	0.03
8/1/1980	248	0.00	0.00	21.00	0.17	19.67	0.02
9/1/1980	249	0.00	0.00	21.00	0.15	19.69	0.02
10/1/1980	250	0.00	0.00	21.00	0.13	19.71	0.02
11/1/1980	251	0.00	0.00	21.00	0.12	19.73	0.02
12/1/1980	252	0.00	0.00	21.00	0.11	19.75	0.02
1/1/1981	253	7.44	1.00	22.00	3.73	20.05	0.30
2/1/1981	254	0.00	0.00	22.00	1.11	20.34	0.29
3/1/1981	255	0.00	0.00	22.00	0.57	20.44	0.11
4/1/1981	256	0.00	0.00	22.00	0.38	20.51	0.06
5/1/1981	257	0.00	0.00	22.00	0.29	20.55	0.04
6/1/1981	258	0.00	0.00	22.00	0.23	20.59	0.03
7/1/1981	259	0.00	0.00	22.00	0.19	20.61	0.03
8/1/1981	260	0.00	0.00	22.00	0.17	20.64	0.02

Pumping Schedule			Pumping Summary		Depletion Summary		
Date	Pumping Period (months)	Pumping Rate (gpm)	Volume Pumped This Period (acre-feet)	Cumul. Volume Pumped (acre-feet)	Depletion Rate (gpm)	Volume of Depletion (acre-feet)	Volume of Depletion This Period (acre-feet)
9/1/1981	261	0.00	0.00	22.00	0.15	20.66	0.02
10/1/1981	262	0.00	0.00	22.00	0.13	20.68	0.02
11/1/1981	263	0.00	0.00	22.00	0.12	20.70	0.02
12/1/1981	264	0.00	0.00	22.00	0.11	20.71	0.02
1/1/1982	265	7.44	1.00	23.00	3.73	21.01	0.30
2/1/1982	266	0.00	0.00	23.00	1.11	21.31	0.29
3/1/1982	267	0.00	0.00	23.00	0.57	21.41	0.11
4/1/1982	268	0.00	0.00	23.00	0.38	21.47	0.06
5/1/1982	269	0.00	0.00	23.00	0.29	21.52	0.04
6/1/1982	270	0.00	0.00	23.00	0.23	21.55	0.03
7/1/1982	271	0.00	0.00	23.00	0.19	21.58	0.03
8/1/1982	272	0.00	0.00	23.00	0.17	21.60	0.02
9/1/1982	273	0.00	0.00	23.00	0.15	21.63	0.02
10/1/1982	274	0.00	0.00	23.00	0.13	21.65	0.02
11/1/1982	275	0.00	0.00	23.00	0.12	21.66	0.02
12/1/1982	276	0.00	0.00	23.00	0.11	21.68	0.02
1/1/1983	277	7.44	1.00	24.00	3.73	21.98	0.30
2/1/1983	278	0.00	0.00	24.00	1.11	22.27	0.29
3/1/1983	279	0.00	0.00	24.00	0.57	22.38	0.11
4/1/1983	280	0.00	0.00	24.00	0.38	22.44	0.06
5/1/1983	281	0.00	0.00	24.00	0.29	22.48	0.04
6/1/1983	282	0.00	0.00	24.00	0.23	22.52	0.03
7/1/1983	283	0.00	0.00	24.00	0.19	22.55	0.03
8/1/1983	284	0.00	0.00	24.00	0.17	22.57	0.02
9/1/1983	285	0.00	0.00	24.00	0.15	22.59	0.02
10/1/1983	286	0.00	0.00	24.00	0.13	22.61	0.02
11/1/1983	287	0.00	0.00	24.00	0.12	22.63	0.02
12/1/1983	288	0.00	0.00	24.00	0.11	22.65	0.02
1/1/1984	289	7.44	1.00	25.00	3.74	22.95	0.30
2/1/1984	290	0.00	0.00	25.00	1.11	23.24	0.29
3/1/1984	291	0.00	0.00	25.00	0.58	23.35	0.11
4/1/1984	292	0.00	0.00	25.00	0.38	23.41	0.06
5/1/1984	293	0.00	0.00	25.00	0.29	23.45	0.04
6/1/1984	294	0.00	0.00	25.00	0.23	23.49	0.03
7/1/1984	295	0.00	0.00	25.00	0.19	23.52	0.03
8/1/1984	296	0.00	0.00	25.00	0.17	23.54	0.02
9/1/1984	297	0.00	0.00	25.00	0.15	23.56	0.02
10/1/1984	298	0.00	0.00	25.00	0.13	23.58	0.02
11/1/1984	299	0.00	0.00	25.00	0.12	23.60	0.02
12/1/1984	300	0.00	0.00	25.00	0.11	23.61	0.02
1/1/1985	301	7.44	1.00	26.00	3.74	23.92	0.30
2/1/1985	302	0.00	0.00	26.00	1.11	24.21	0.29
3/1/1985	303	0.00	0.00	26.00	0.58	24.31	0.11
4/1/1985	304	0.00	0.00	26.00	0.38	24.38	0.06
5/1/1985	305	0.00	0.00	26.00	0.29	24.42	0.04
6/1/1985	306	0.00	0.00	26.00	0.23	24.46	0.03
7/1/1985	307	0.00	0.00	26.00	0.19	24.48	0.03
8/1/1985	308	0.00	0.00	26.00	0.17	24.51	0.02
9/1/1985	309	0.00	0.00	26.00	0.15	24.53	0.02
10/1/1985	310	0.00	0.00	26.00	0.13	24.55	0.02
11/1/1985	311	0.00	0.00	26.00	0.12	24.57	0.02
12/1/1985	312	0.00	0.00	26.00	0.11	24.58	0.02
1/1/1986	313	7.44	1.00	27.00	3.74	24.88	0.30
2/1/1986	314	0.00	0.00	27.00	1.11	25.18	0.29
3/1/1986	315	0.00	0.00	27.00	0.58	25.28	0.11
4/1/1986	316	0.00	0.00	27.00	0.38	25.34	0.06
5/1/1986	317	0.00	0.00	27.00	0.29	25.39	0.04
6/1/1986	318	0.00	0.00	27.00	0.23	25.42	0.03
7/1/1986	319	0.00	0.00	27.00	0.20	25.45	0.03
8/1/1986	320	0.00	0.00	27.00	0.17	25.48	0.02
9/1/1986	321	0.00	0.00	27.00	0.15	25.50	0.02
10/1/1986	322	0.00	0.00	27.00	0.13	25.52	0.02
11/1/1986	323	0.00	0.00	27.00	0.12	25.53	0.02
12/1/1986	324	0.00	0.00	27.00	0.11	25.55	0.02
1/1/1987	325	7.44	1.00	28.00	3.74	25.85	0.30

Pumping Schedule			Pumping Summary		Depletion Summary		
Date	Pumping Period (months)	Pumping Rate (gpm)	Volume Pumped This Period (acre-feet)	Cumul. Volume Pumped (acre-feet)	Depletion Rate (gpm)	Volume of Depletion (acre-feet)	Volume of Depletion This Period (acre-feet)
2/1/1987	326	0.00	0.00	28.00	1.11	26.15	0.29
3/1/1987	327	0.00	0.00	28.00	0.58	26.25	0.11
4/1/1987	328	0.00	0.00	28.00	0.38	26.31	0.06
5/1/1987	329	0.00	0.00	28.00	0.29	26.36	0.04
6/1/1987	330	0.00	0.00	28.00	0.23	26.39	0.03
7/1/1987	331	0.00	0.00	28.00	0.20	26.42	0.03
8/1/1987	332	0.00	0.00	28.00	0.17	26.45	0.02
9/1/1987	333	0.00	0.00	28.00	0.15	26.47	0.02
10/1/1987	334	0.00	0.00	28.00	0.14	26.49	0.02
11/1/1987	335	0.00	0.00	28.00	0.12	26.50	0.02
12/1/1987	336	0.00	0.00	28.00	0.11	26.52	0.02
1/1/1988	337	7.44	1.00	29.00	3.74	26.82	0.30
2/1/1988	338	0.00	0.00	29.00	1.11	27.12	0.29
3/1/1988	339	0.00	0.00	29.00	0.58	27.22	0.11
4/1/1988	340	0.00	0.00	29.00	0.38	27.28	0.06
5/1/1988	341	0.00	0.00	29.00	0.29	27.33	0.04
6/1/1988	342	0.00	0.00	29.00	0.23	27.36	0.03
7/1/1988	343	0.00	0.00	29.00	0.20	27.39	0.03
8/1/1988	344	0.00	0.00	29.00	0.17	27.42	0.02
9/1/1988	345	0.00	0.00	29.00	0.15	27.44	0.02
10/1/1988	346	0.00	0.00	29.00	0.14	27.46	0.02
11/1/1988	347	0.00	0.00	29.00	0.12	27.47	0.02
12/1/1988	348	0.00	0.00	29.00	0.11	27.49	0.02
1/1/1989	349	7.44	1.00	30.00	3.74	27.79	0.30
2/1/1989	350	0.00	0.00	30.00	1.11	28.09	0.29
3/1/1989	351	0.00	0.00	30.00	0.58	28.19	0.11
4/1/1989	352	0.00	0.00	30.00	0.39	28.25	0.06
5/1/1989	353	0.00	0.00	30.00	0.29	28.30	0.04
6/1/1989	354	0.00	0.00	30.00	0.23	28.33	0.03
7/1/1989	355	0.00	0.00	30.00	0.20	28.36	0.03
8/1/1989	356	0.00	0.00	30.00	0.17	28.39	0.02
9/1/1989	357	0.00	0.00	30.00	0.15	28.41	0.02
10/1/1989	358	0.00	0.00	30.00	0.14	28.43	0.02
11/1/1989	359	0.00	0.00	30.00	0.12	28.45	0.02
12/1/1989	360	0.00	0.00	30.00	0.11	28.46	0.02
1/1/1990	361	7.44	1.00	31.00	3.74	28.76	0.30
2/1/1990	362	0.00	0.00	31.00	1.11	29.06	0.29
3/1/1990	363	0.00	0.00	31.00	0.58	29.16	0.11
4/1/1990	364	0.00	0.00	31.00	0.39	29.23	0.06
5/1/1990	365	0.00	0.00	31.00	0.29	29.27	0.04
6/1/1990	366	0.00	0.00	31.00	0.23	29.31	0.03
7/1/1990	367	0.00	0.00	31.00	0.20	29.33	0.03
8/1/1990	368	0.00	0.00	31.00	0.17	29.36	0.02
9/1/1990	369	0.00	0.00	31.00	0.15	29.38	0.02
10/1/1990	370	0.00	0.00	31.00	0.14	29.40	0.02
11/1/1990	371	0.00	0.00	31.00	0.12	29.42	0.02
12/1/1990	372	0.00	0.00	31.00	0.11	29.43	0.02
1/1/1991	373	7.44	1.00	32.00	3.74	29.74	0.30
2/1/1991	374	0.00	0.00	32.00	1.11	30.03	0.29
3/1/1991	375	0.00	0.00	32.00	0.58	30.13	0.11
4/1/1991	376	0.00	0.00	32.00	0.39	30.20	0.06
5/1/1991	377	0.00	0.00	32.00	0.29	30.24	0.04
6/1/1991	378	0.00	0.00	32.00	0.23	30.28	0.03
7/1/1991	379	0.00	0.00	32.00	0.20	30.31	0.03
8/1/1991	380	0.00	0.00	32.00	0.17	30.33	0.02
9/1/1991	381	0.00	0.00	32.00	0.15	30.35	0.02
10/1/1991	382	0.00	0.00	32.00	0.14	30.37	0.02
11/1/1991	383	0.00	0.00	32.00	0.12	30.39	0.02
12/1/1991	384	0.00	0.00	32.00	0.11	30.40	0.02
1/1/1992	385	7.44	1.00	33.00	3.74	30.71	0.30
2/1/1992	386	0.00	0.00	33.00	1.11	31.00	0.29
3/1/1992	387	0.00	0.00	33.00	0.58	31.11	0.11
4/1/1992	388	0.00	0.00	33.00	0.39	31.17	0.06
5/1/1992	389	0.00	0.00	33.00	0.29	31.21	0.04
6/1/1992	390	0.00	0.00	33.00	0.23	31.25	0.03

Pumping Schedule			Pumping Summary		Depletion Summary		
Date	Pumping Period (months)	Pumping Rate (gpm)	Volume Pumped This Period (acre-feet)	Cumul. Volume Pumped (acre-feet)	Depletion Rate (gpm)	Volume of Depletion (acre-feet)	Volume of Depletion This Period (acre-feet)
7/1/1992	391	0.00	0.00	33.00	0.20	31.28	0.03
8/1/1992	392	0.00	0.00	33.00	0.17	31.30	0.02
9/1/1992	393	0.00	0.00	33.00	0.15	31.32	0.02
10/1/1992	394	0.00	0.00	33.00	0.14	31.34	0.02
11/1/1992	395	0.00	0.00	33.00	0.12	31.36	0.02
12/1/1992	396	0.00	0.00	33.00	0.12	31.38	0.02
1/1/1993	397	7.44	1.00	34.00	3.74	31.68	0.30
2/1/1993	398	0.00	0.00	34.00	1.11	31.97	0.29
3/1/1993	399	0.00	0.00	34.00	0.58	32.08	0.11
4/1/1993	400	0.00	0.00	34.00	0.39	32.14	0.06
5/1/1993	401	0.00	0.00	34.00	0.29	32.19	0.04
6/1/1993	402	0.00	0.00	34.00	0.23	32.22	0.03
7/1/1993	403	0.00	0.00	34.00	0.20	32.25	0.03
8/1/1993	404	0.00	0.00	34.00	0.17	32.27	0.02
9/1/1993	405	0.00	0.00	34.00	0.15	32.30	0.02
10/1/1993	406	0.00	0.00	34.00	0.14	32.32	0.02
11/1/1993	407	0.00	0.00	34.00	0.13	32.33	0.02
12/1/1993	408	0.00	0.00	34.00	0.12	32.35	0.02
1/1/1994	409	7.44	1.00	35.00	3.74	32.65	0.30
2/1/1994	410	0.00	0.00	35.00	1.11	32.94	0.29
3/1/1994	411	0.00	0.00	35.00	0.58	33.05	0.11
4/1/1994	412	0.00	0.00	35.00	0.39	33.11	0.06
5/1/1994	413	0.00	0.00	35.00	0.29	33.16	0.04
6/1/1994	414	0.00	0.00	35.00	0.23	33.19	0.04
7/1/1994	415	0.00	0.00	35.00	0.20	33.22	0.03
8/1/1994	416	0.00	0.00	35.00	0.17	33.25	0.02
9/1/1994	417	0.00	0.00	35.00	0.15	33.27	0.02
10/1/1994	418	0.00	0.00	35.00	0.14	33.29	0.02
11/1/1994	419	0.00	0.00	35.00	0.13	33.31	0.02
12/1/1994	420	0.00	0.00	35.00	0.12	33.32	0.02
1/1/1995	421	7.44	1.00	36.00	3.74	33.62	0.30
2/1/1995	422	0.00	0.00	36.00	1.11	33.92	0.29
3/1/1995	423	0.00	0.00	36.00	0.58	34.02	0.11
4/1/1995	424	0.00	0.00	36.00	0.39	34.09	0.06
5/1/1995	425	0.00	0.00	36.00	0.29	34.13	0.04
6/1/1995	426	0.00	0.00	36.00	0.23	34.17	0.04
7/1/1995	427	0.00	0.00	36.00	0.20	34.20	0.03
8/1/1995	428	0.00	0.00	36.00	0.17	34.22	0.02
9/1/1995	429	0.00	0.00	36.00	0.15	34.24	0.02
10/1/1995	430	0.00	0.00	36.00	0.14	34.26	0.02
11/1/1995	431	0.00	0.00	36.00	0.13	34.28	0.02
12/1/1995	432	0.00	0.00	36.00	0.12	34.30	0.02
1/1/1996	433	7.44	1.00	37.00	3.74	34.60	0.30
2/1/1996	434	0.00	0.00	37.00	1.11	34.89	0.29
3/1/1996	435	0.00	0.00	37.00	0.58	35.00	0.11
4/1/1996	436	0.00	0.00	37.00	0.39	35.06	0.06
5/1/1996	437	0.00	0.00	37.00	0.29	35.10	0.04
6/1/1996	438	0.00	0.00	37.00	0.23	35.14	0.04
7/1/1996	439	0.00	0.00	37.00	0.20	35.17	0.03
8/1/1996	440	0.00	0.00	37.00	0.17	35.19	0.02
9/1/1996	441	0.00	0.00	37.00	0.15	35.22	0.02
10/1/1996	442	0.00	0.00	37.00	0.14	35.23	0.02
11/1/1996	443	0.00	0.00	37.00	0.13	35.25	0.02
12/1/1996	444	0.00	0.00	37.00	0.12	35.27	0.02
1/1/1997	445	7.44	1.00	38.00	3.74	35.57	0.30
2/1/1997	446	0.00	0.00	38.00	1.11	35.86	0.29
3/1/1997	447	0.00	0.00	38.00	0.58	35.97	0.11
4/1/1997	448	0.00	0.00	38.00	0.39	36.03	0.06
5/1/1997	449	0.00	0.00	38.00	0.29	36.08	0.04
6/1/1997	450	0.00	0.00	38.00	0.24	36.11	0.04
7/1/1997	451	0.00	0.00	38.00	0.20	36.14	0.03
8/1/1997	452	0.00	0.00	38.00	0.17	36.17	0.02
9/1/1997	453	0.00	0.00	38.00	0.15	36.19	0.02
10/1/1997	454	0.00	0.00	38.00	0.14	36.21	0.02
11/1/1997	455	0.00	0.00	38.00	0.13	36.23	0.02

Pumping Schedule			Pumping Summary		Depletion Summary		
Date	Pumping Period (months)	Pumping Rate (gpm)	Volume Pumped This Period (acre-feet)	Cumul. Volume Pumped (acre-feet)	Depletion Rate (gpm)	Volume of Depletion (acre-feet)	Volume of Depletion This Period (acre-feet)
12/1/1997	456	0.00	0.00	38.00	0.12	36.24	0.02
1/1/1998	457	7.44	1.00	39.00	3.74	36.55	0.30
2/1/1998	458	0.00	0.00	39.00	1.11	36.84	0.29
3/1/1998	459	0.00	0.00	39.00	0.58	36.94	0.11
4/1/1998	460	0.00	0.00	39.00	0.39	37.01	0.06
5/1/1998	461	0.00	0.00	39.00	0.29	37.05	0.05
6/1/1998	462	0.00	0.00	39.00	0.24	37.09	0.04
7/1/1998	463	0.00	0.00	39.00	0.20	37.12	0.03
8/1/1998	464	0.00	0.00	39.00	0.17	37.14	0.02
9/1/1998	465	0.00	0.00	39.00	0.15	37.16	0.02
10/1/1998	466	0.00	0.00	39.00	0.14	37.18	0.02
11/1/1998	467	0.00	0.00	39.00	0.13	37.20	0.02
12/1/1998	468	0.00	0.00	39.00	0.12	37.22	0.02
1/1/1999	469	7.44	1.00	40.00	3.74	37.52	0.30
2/1/1999	470	0.00	0.00	40.00	1.11	37.81	0.29
3/1/1999	471	0.00	0.00	40.00	0.58	37.92	0.11
4/1/1999	472	0.00	0.00	40.00	0.39	37.98	0.06
5/1/1999	473	0.00	0.00	40.00	0.29	38.03	0.05
6/1/1999	474	0.00	0.00	40.00	0.24	38.06	0.04
7/1/1999	475	0.00	0.00	40.00	0.20	38.09	0.03
8/1/1999	476	0.00	0.00	40.00	0.17	38.12	0.02
9/1/1999	477	0.00	0.00	40.00	0.15	38.14	0.02
10/1/1999	478	0.00	0.00	40.00	0.14	38.16	0.02
11/1/1999	479	0.00	0.00	40.00	0.13	38.18	0.02
12/1/1999	480	0.00	0.00	40.00	0.12	38.19	0.02
1/1/2000	481	7.44	1.00	41.00	3.74	38.49	0.30
2/1/2000	482	0.00	0.00	41.00	1.11	38.79	0.29
3/1/2000	483	0.00	0.00	41.00	0.58	38.89	0.11
4/1/2000	484	0.00	0.00	41.00	0.39	38.96	0.06
5/1/2000	485	0.00	0.00	41.00	0.29	39.00	0.05
6/1/2000	486	0.00	0.00	41.00	0.24	39.04	0.04
7/1/2000	487	0.00	0.00	41.00	0.20	39.07	0.03
8/1/2000	488	0.00	0.00	41.00	0.17	39.09	0.02
9/1/2000	489	0.00	0.00	41.00	0.15	39.11	0.02
10/1/2000	490	0.00	0.00	41.00	0.14	39.13	0.02
11/1/2000	491	0.00	0.00	41.00	0.13	39.15	0.02
12/1/2000	492	0.00	0.00	41.00	0.12	39.17	0.02
1/1/2001	493	7.44	1.00	42.00	3.74	39.47	0.30
2/1/2001	494	0.00	0.00	42.00	1.11	39.76	0.29
3/1/2001	495	0.00	0.00	42.00	0.58	39.87	0.11
4/1/2001	496	0.00	0.00	42.00	0.39	39.93	0.06
5/1/2001	497	0.00	0.00	42.00	0.29	39.98	0.05
6/1/2001	498	0.00	0.00	42.00	0.24	40.01	0.04
7/1/2001	499	0.00	0.00	42.00	0.20	40.04	0.03
8/1/2001	500	0.00	0.00	42.00	0.17	40.07	0.02
9/1/2001	501	0.00	0.00	42.00	0.15	40.09	0.02
10/1/2001	502	0.00	0.00	42.00	0.14	40.11	0.02
11/1/2001	503	0.00	0.00	42.00	0.13	40.13	0.02
12/1/2001	504	0.00	0.00	42.00	0.12	40.14	0.02
1/1/2002	505	7.44	1.00	43.00	3.74	40.44	0.30
2/1/2002	506	0.00	0.00	43.00	1.11	40.74	0.29
3/1/2002	507	0.00	0.00	43.00	0.58	40.84	0.11
4/1/2002	508	0.00	0.00	43.00	0.39	40.91	0.06
5/1/2002	509	0.00	0.00	43.00	0.29	40.95	0.05
6/1/2002	510	0.00	0.00	43.00	0.24	40.99	0.04
7/1/2002	511	0.00	0.00	43.00	0.20	41.02	0.03
8/1/2002	512	0.00	0.00	43.00	0.17	41.04	0.02
9/1/2002	513	0.00	0.00	43.00	0.15	41.06	0.02
10/1/2002	514	0.00	0.00	43.00	0.14	41.08	0.02
11/1/2002	515	0.00	0.00	43.00	0.13	41.10	0.02
12/1/2002	516	0.00	0.00	43.00	0.12	41.12	0.02
1/1/2003	517	7.44	1.00	44.00	3.74	41.42	0.30
2/1/2003	518	0.00	0.00	44.00	1.11	41.71	0.29
3/1/2003	519	0.00	0.00	44.00	0.58	41.82	0.11
4/1/2003	520	0.00	0.00	44.00	0.39	41.88	0.06

Pumping Schedule			Pumping Summary		Depletion Summary		
Date	Pumping Period (months)	Pumping Rate (gpm)	Volume Pumped This Period (acre-feet)	Cumul. Volume Pumped (acre-feet)	Depletion Rate (gpm)	Volume of Depletion (acre-feet)	Volume of Depletion This Period (acre-feet)
5/1/2003	521	0.00	0.00	44.00	0.29	41.93	0.05
6/1/2003	522	0.00	0.00	44.00	0.24	41.96	0.04
7/1/2003	523	0.00	0.00	44.00	0.20	41.99	0.03
8/1/2003	524	0.00	0.00	44.00	0.17	42.02	0.02
9/1/2003	525	0.00	0.00	44.00	0.15	42.04	0.02
10/1/2003	526	0.00	0.00	44.00	0.14	42.06	0.02
11/1/2003	527	0.00	0.00	44.00	0.13	42.08	0.02
12/1/2003	528	0.00	0.00	44.00	0.12	42.09	0.02
1/1/2004	529	7.44	1.00	45.00	3.74	42.40	0.30
2/1/2004	530	0.00	0.00	45.00	1.11	42.69	0.29
3/1/2004	531	0.00	0.00	45.00	0.58	42.80	0.11
4/1/2004	532	0.00	0.00	45.00	0.39	42.86	0.06
5/1/2004	533	0.00	0.00	45.00	0.29	42.90	0.05
6/1/2004	534	0.00	0.00	45.00	0.24	42.94	0.04
7/1/2004	535	0.00	0.00	45.00	0.20	42.97	0.03
8/1/2004	536	0.00	0.00	45.00	0.17	42.99	0.02
9/1/2004	537	0.00	0.00	45.00	0.15	43.02	0.02
10/1/2004	538	0.00	0.00	45.00	0.14	43.04	0.02
11/1/2004	539	0.00	0.00	45.00	0.13	43.05	0.02
12/1/2004	540	0.00	0.00	45.00	0.12	43.07	0.02
1/1/2005	541	7.44	1.00	46.00	3.74	43.37	0.30
2/1/2005	542	0.00	0.00	46.00	1.11	43.67	0.29
3/1/2005	543	0.00	0.00	46.00	0.58	43.77	0.11
4/1/2005	544	0.00	0.00	46.00	0.39	43.84	0.06
5/1/2005	545	0.00	0.00	46.00	0.29	43.88	0.05
6/1/2005	546	0.00	0.00	46.00	0.24	43.92	0.04
7/1/2005	547	0.00	0.00	46.00	0.20	43.94	0.03
8/1/2005	548	0.00	0.00	46.00	0.17	43.97	0.02
9/1/2005	549	0.00	0.00	46.00	0.15	43.99	0.02
10/1/2005	550	0.00	0.00	46.00	0.14	44.01	0.02
11/1/2005	551	0.00	0.00	46.00	0.13	44.03	0.02
12/1/2005	552	0.00	0.00	46.00	0.12	44.05	0.02
1/1/2006	553	7.44	1.00	47.00	3.74	44.35	0.30
2/1/2006	554	0.00	0.00	47.00	1.11	44.64	0.29
3/1/2006	555	0.00	0.00	47.00	0.58	44.75	0.11
4/1/2006	556	0.00	0.00	47.00	0.39	44.81	0.06
5/1/2006	557	0.00	0.00	47.00	0.29	44.86	0.05
6/1/2006	558	0.00	0.00	47.00	0.24	44.89	0.04
7/1/2006	559	0.00	0.00	47.00	0.20	44.92	0.03
8/1/2006	560	0.00	0.00	47.00	0.17	44.95	0.03
9/1/2006	561	0.00	0.00	47.00	0.15	44.97	0.02
10/1/2006	562	0.00	0.00	47.00	0.14	44.99	0.02
11/1/2006	563	0.00	0.00	47.00	0.13	45.01	0.02
12/1/2006	564	0.00	0.00	47.00	0.12	45.02	0.02
1/1/2007	565	7.44	1.00	48.00	3.74	45.33	0.30
2/1/2007	566	0.00	0.00	48.00	1.11	45.62	0.29
3/1/2007	567	0.00	0.00	48.00	0.58	45.72	0.11
4/1/2007	568	0.00	0.00	48.00	0.39	45.79	0.06
5/1/2007	569	0.00	0.00	48.00	0.29	45.83	0.05
6/1/2007	570	0.00	0.00	48.00	0.24	45.87	0.04
7/1/2007	571	0.00	0.00	48.00	0.20	45.90	0.03
8/1/2007	572	0.00	0.00	48.00	0.17	45.92	0.03
9/1/2007	573	0.00	0.00	48.00	0.15	45.95	0.02
10/1/2007	574	0.00	0.00	48.00	0.14	45.96	0.02
11/1/2007	575	0.00	0.00	48.00	0.13	45.98	0.02
12/1/2007	576	0.00	0.00	48.00	0.12	46.00	0.02
1/1/2008	577	7.44	1.00	49.00	3.74	46.30	0.30
2/1/2008	578	0.00	0.00	49.00	1.11	46.60	0.29
3/1/2008	579	0.00	0.00	49.00	0.58	46.70	0.11
4/1/2008	580	0.00	0.00	49.00	0.39	46.77	0.06
5/1/2008	581	0.00	0.00	49.00	0.29	46.81	0.05
6/1/2008	582	0.00	0.00	49.00	0.24	46.85	0.04
7/1/2008	583	0.00	0.00	49.00	0.20	46.88	0.03
8/1/2008	584	0.00	0.00	49.00	0.17	46.90	0.03
9/1/2008	585	0.00	0.00	49.00	0.15	46.92	0.02

Pumping Schedule			Pumping Summary		Depletion Summary		
Date	Pumping Period (months)	Pumping Rate (gpm)	Volume Pumped This Period (acre-feet)	Cumul. Volume Pumped (acre-feet)	Depletion Rate (gpm)	Volume of Depletion (acre-feet)	Volume of Depletion This Period (acre-feet)
10/1/2008	586	0.00	0.00	49.00	0.14	46.94	0.02
11/1/2008	587	0.00	0.00	49.00	0.13	46.96	0.02
12/1/2008	588	0.00	0.00	49.00	0.12	46.98	0.02
1/1/2009	589	7.44	1.00	50.00	3.74	47.28	0.30
2/1/2009	590	0.00	0.00	50.00	1.11	47.57	0.29
3/1/2009	591	0.00	0.00	50.00	0.58	47.68	0.11
4/1/2009	592	0.00	0.00	50.00	0.39	47.74	0.06
5/1/2009	593	0.00	0.00	50.00	0.29	47.79	0.05
6/1/2009	594	0.00	0.00	50.00	0.24	47.82	0.04
7/1/2009	595	0.00	0.00	50.00	0.20	47.85	0.03
8/1/2009	596	0.00	0.00	50.00	0.17	47.88	0.03
9/1/2009	597	0.00	0.00	50.00	0.15	47.90	0.02
10/1/2009	598	0.00	0.00	50.00	0.14	47.92	0.02
11/1/2009	599	0.00	0.00	50.00	0.13	47.94	0.02
12/1/2009	600	0.00	0.00	50.00	0.12	47.95	0.02
1/1/2010	601	7.44	1.00	51.00	3.74	48.26	0.30
2/1/2010	602	0.00	0.00	51.00	1.11	48.55	0.29
3/1/2010	603	0.00	0.00	51.00	0.58	48.66	0.11
4/1/2010	604	0.00	0.00	51.00	0.39	48.72	0.06
5/1/2010	605	0.00	0.00	51.00	0.29	48.77	0.05
6/1/2010	606	0.00	0.00	51.00	0.24	48.80	0.04
7/1/2010	607	0.00	0.00	51.00	0.20	48.83	0.03
8/1/2010	608	0.00	0.00	51.00	0.17	48.85	0.03
9/1/2010	609	0.00	0.00	51.00	0.16	48.88	0.02
10/1/2010	610	0.00	0.00	51.00	0.14	48.90	0.02
11/1/2010	611	0.00	0.00	51.00	0.13	48.91	0.02
12/1/2010	612	0.00	0.00	51.00	0.12	48.93	0.02
1/1/2011	613	7.44	1.00	52.00	3.74	49.23	0.30
2/1/2011	614	0.00	0.00	52.00	1.11	49.53	0.29
3/1/2011	615	0.00	0.00	52.00	0.58	49.63	0.11
4/1/2011	616	0.00	0.00	52.00	0.39	49.70	0.06
5/1/2011	617	0.00	0.00	52.00	0.29	49.74	0.05
6/1/2011	618	0.00	0.00	52.00	0.24	49.78	0.04
7/1/2011	619	0.00	0.00	52.00	0.20	49.81	0.03
8/1/2011	620	0.00	0.00	52.00	0.17	49.83	0.03
9/1/2011	621	0.00	0.00	52.00	0.16	49.85	0.02
10/1/2011	622	0.00	0.00	52.00	0.14	49.87	0.02
11/1/2011	623	0.00	0.00	52.00	0.13	49.89	0.02
12/1/2011	624	0.00	0.00	52.00	0.12	49.91	0.02
1/1/2012	625	7.44	1.00	53.00	3.74	50.21	0.30
2/1/2012	626	0.00	0.00	53.00	1.11	50.51	0.29
3/1/2012	627	0.00	0.00	53.00	0.58	50.61	0.11
4/1/2012	628	0.00	0.00	53.00	0.39	50.68	0.06
5/1/2012	629	0.00	0.00	53.00	0.29	50.72	0.05
6/1/2012	630	0.00	0.00	53.00	0.24	50.76	0.04
7/1/2012	631	0.00	0.00	53.00	0.20	50.79	0.03
8/1/2012	632	0.00	0.00	53.00	0.17	50.81	0.03
9/1/2012	633	0.00	0.00	53.00	0.16	50.83	0.02
10/1/2012	634	0.00	0.00	53.00	0.14	50.85	0.02
11/1/2012	635	0.00	0.00	53.00	0.13	50.87	0.02
12/1/2012	636	0.00	0.00	53.00	0.12	50.89	0.02
1/1/2013	637	7.44	1.00	54.00	3.74	51.19	0.30
2/1/2013	638	0.00	0.00	54.00	1.11	51.48	0.29
3/1/2013	639	0.00	0.00	54.00	0.58	51.59	0.11
4/1/2013	640	0.00	0.00	54.00	0.39	51.65	0.06
5/1/2013	641	0.00	0.00	54.00	0.29	51.70	0.05
6/1/2013	642	0.00	0.00	54.00	0.24	51.73	0.04
7/1/2013	643	0.00	0.00	54.00	0.20	51.76	0.03
8/1/2013	644	0.00	0.00	54.00	0.17	51.79	0.03
9/1/2013	645	0.00	0.00	54.00	0.16	51.81	0.02
10/1/2013	646	0.00	0.00	54.00	0.14	51.83	0.02
11/1/2013	647	0.00	0.00	54.00	0.13	51.85	0.02
12/1/2013	648	0.00	0.00	54.00	0.12	51.87	0.02
1/1/2014	649	7.44	1.00	55.00	3.74	52.17	0.30
2/1/2014	650	0.00	0.00	55.00	1.11	52.46	0.29

Pumping Schedule			Pumping Summary		Depletion Summary		
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3/1/2014	651	0.00	0.00	55.00	0.58	52.57	0.11
4/1/2014	652	0.00	0.00	55.00	0.39	52.63	0.06
5/1/2014	653	0.00	0.00	55.00	0.29	52.68	0.05
6/1/2014	654	0.00	0.00	55.00	0.24	52.71	0.04
7/1/2014	655	0.00	0.00	55.00	0.20	52.74	0.03
8/1/2014	656	0.00	0.00	55.00	0.17	52.77	0.03
9/1/2014	657	0.00	0.00	55.00	0.16	52.79	0.02
10/1/2014	658	0.00	0.00	55.00	0.14	52.81	0.02
11/1/2014	659	0.00	0.00	55.00	0.13	52.83	0.02
12/1/2014	660	0.00	0.00	55.00	0.12	52.84	0.02
1/1/2015	661	7.44	1.00	56.00	3.74	53.15	0.30
2/1/2015	662	0.00	0.00	56.00	1.11	53.44	0.29
3/1/2015	663	0.00	0.00	56.00	0.58	53.55	0.11
4/1/2015	664	0.00	0.00	56.00	0.39	53.61	0.06
5/1/2015	665	0.00	0.00	56.00	0.29	53.66	0.05
6/1/2015	666	0.00	0.00	56.00	0.24	53.69	0.04
7/1/2015	667	0.00	0.00	56.00	0.20	53.72	0.03
8/1/2015	668	0.00	0.00	56.00	0.17	53.75	0.03
9/1/2015	669	0.00	0.00	56.00	0.16	53.77	0.02
10/1/2015	670	0.00	0.00	56.00	0.14	53.79	0.02
11/1/2015	671	0.00	0.00	56.00	0.13	53.81	0.02
12/1/2015	672	0.00	0.00	56.00	0.12	53.82	0.02
1/1/2016	673	7.44	1.00	57.00	3.74	54.13	0.30
2/1/2016	674	0.00	0.00	57.00	1.11	54.42	0.29
3/1/2016	675	0.00	0.00	57.00	0.58	54.53	0.11
4/1/2016	676	0.00	0.00	57.00	0.39	54.59	0.06
5/1/2016	677	0.00	0.00	57.00	0.29	54.63	0.05
6/1/2016	678	0.00	0.00	57.00	0.24	54.67	0.04
7/1/2016	679	0.00	0.00	57.00	0.20	54.70	0.03
8/1/2016	680	0.00	0.00	57.00	0.18	54.72	0.03
9/1/2016	681	0.00	0.00	57.00	0.16	54.75	0.02
10/1/2016	682	0.00	0.00	57.00	0.14	54.77	0.02
11/1/2016	683	0.00	0.00	57.00	0.13	54.78	0.02
12/1/2016	684	0.00	0.00	57.00	0.12	54.80	0.02
1/1/2017	685	7.44	1.00	58.00	3.74	55.10	0.30
2/1/2017	686	0.00	0.00	58.00	1.12	55.40	0.29
3/1/2017	687	0.00	0.00	58.00	0.58	55.50	0.11
4/1/2017	688	0.00	0.00	58.00	0.39	55.57	0.06
5/1/2017	689	0.00	0.00	58.00	0.29	55.61	0.05
6/1/2017	690	0.00	0.00	58.00	0.24	55.65	0.04
7/1/2017	691	0.00	0.00	58.00	0.20	55.68	0.03
8/1/2017	692	0.00	0.00	58.00	0.18	55.70	0.03
9/1/2017	693	0.00	0.00	58.00	0.16	55.73	0.02
10/1/2017	694	0.00	0.00	58.00	0.14	55.75	0.02
11/1/2017	695	0.00	0.00	58.00	0.13	55.76	0.02
12/1/2017	696	0.00	0.00	58.00	0.12	55.78	0.02
1/1/2018	697	7.44	1.00	58.99	3.74	56.08	0.30
2/1/2018	698	0.00	0.00	58.99	1.12	56.38	0.29
3/1/2018	699	0.00	0.00	58.99	0.58	56.48	0.11
4/1/2018	700	0.00	0.00	58.99	0.39	56.55	0.06
5/1/2018	701	0.00	0.00	58.99	0.29	56.59	0.05
6/1/2018	702	0.00	0.00	58.99	0.24	56.63	0.04
7/1/2018	703	0.00	0.00	58.99	0.20	56.66	0.03
8/1/2018	704	0.00	0.00	58.99	0.18	56.68	0.03
9/1/2018	705	0.00	0.00	58.99	0.16	56.70	0.02
10/1/2018	706	0.00	0.00	58.99	0.14	56.72	0.02
11/1/2018	707	0.00	0.00	58.99	0.13	56.74	0.02
12/1/2018	708	0.00	0.00	58.99	0.12	56.76	0.02
1/1/2019	709	7.44	1.00	59.99	3.74	57.06	0.30
2/1/2019	710	0.00	0.00	59.99	1.12	57.36	0.29
3/1/2019	711	0.00	0.00	59.99	0.58	57.46	0.11
4/1/2019	712	0.00	0.00	59.99	0.39	57.53	0.06
5/1/2019	713	0.00	0.00	59.99	0.29	57.57	0.05
6/1/2019	714	0.00	0.00	59.99	0.24	57.61	0.04
7/1/2019	715	0.00	0.00	59.99	0.20	57.64	0.03

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8/1/2019	716	0.00	0.00	59.99	0.18	57.66	0.03
9/1/2019	717	0.00	0.00	59.99	0.16	57.68	0.02
10/1/2019	718	0.00	0.00	59.99	0.14	57.70	0.02
11/1/2019	719	0.00	0.00	59.99	0.13	57.72	0.02
12/1/2019	720	0.00	0.00	59.99	0.12	57.74	0.02
1/1/2020	721	7.44	1.00	60.99	3.74	58.04	0.30
2/1/2020	722	0.00	0.00	60.99	1.12	58.33	0.29
3/1/2020	723	0.00	0.00	60.99	0.58	58.44	0.11
4/1/2020	724	0.00	0.00	60.99	0.39	58.51	0.06
5/1/2020	725	0.00	0.00	60.99	0.29	58.55	0.05
6/1/2020	726	0.00	0.00	60.99	0.24	58.59	0.04
7/1/2020	727	0.00	0.00	60.99	0.20	58.62	0.03
8/1/2020	728	0.00	0.00	60.99	0.18	58.64	0.03
9/1/2020	729	0.00	0.00	60.99	0.16	58.66	0.02
10/1/2020	730	0.00	0.00	60.99	0.14	58.68	0.02
11/1/2020	731	0.00	0.00	60.99	0.13	58.70	0.02
12/1/2020	732	0.00	0.00	60.99	0.12	58.72	0.02
1/1/2021	733	7.44	1.00	61.99	3.74	59.02	0.30
2/1/2021	734	0.00	0.00	61.99	1.12	59.31	0.29
3/1/2021	735	0.00	0.00	61.99	0.58	59.42	0.11
4/1/2021	736	0.00	0.00	61.99	0.39	59.48	0.06
5/1/2021	737	0.00	0.00	61.99	0.30	59.53	0.05
6/1/2021	738	0.00	0.00	61.99	0.24	59.57	0.04
7/1/2021	739	0.00	0.00	61.99	0.20	59.59	0.03
8/1/2021	740	0.00	0.00	61.99	0.18	59.62	0.03
9/1/2021	741	0.00	0.00	61.99	0.16	59.64	0.02
10/1/2021	742	0.00	0.00	61.99	0.14	59.66	0.02
11/1/2021	743	0.00	0.00	61.99	0.13	59.68	0.02
12/1/2021	744	0.00	0.00	61.99	0.12	59.70	0.02
1/1/2022	745	7.44	1.00	62.99	3.74	60.00	0.30
2/1/2022	746	0.00	0.00	62.99	1.12	60.29	0.29
3/1/2022	747	0.00	0.00	62.99	0.58	60.40	0.11
4/1/2022	748	0.00	0.00	62.99	0.39	60.46	0.06
5/1/2022	749	0.00	0.00	62.99	0.30	60.51	0.05
6/1/2022	750	0.00	0.00	62.99	0.24	60.55	0.04
7/1/2022	751	0.00	0.00	62.99	0.20	60.57	0.03
8/1/2022	752	0.00	0.00	62.99	0.18	60.60	0.03
9/1/2022	753	0.00	0.00	62.99	0.16	60.62	0.02
10/1/2022	754	0.00	0.00	62.99	0.14	60.64	0.02
11/1/2022	755	0.00	0.00	62.99	0.13	60.66	0.02
12/1/2022	756	0.00	0.00	62.99	0.12	60.68	0.02
1/1/2023	757	7.44	1.00	63.99	3.74	60.98	0.30
2/1/2023	758	0.00	0.00	63.99	1.12	61.27	0.29
3/1/2023	759	0.00	0.00	63.99	0.58	61.38	0.11
4/1/2023	760	0.00	0.00	63.99	0.39	61.44	0.06
5/1/2023	761	0.00	0.00	63.99	0.30	61.49	0.05
6/1/2023	762	0.00	0.00	63.99	0.24	61.53	0.04
7/1/2023	763	0.00	0.00	63.99	0.20	61.55	0.03
8/1/2023	764	0.00	0.00	63.99	0.18	61.58	0.03
9/1/2023	765	0.00	0.00	63.99	0.16	61.60	0.02
10/1/2023	766	0.00	0.00	63.99	0.14	61.62	0.02
11/1/2023	767	0.00	0.00	63.99	0.13	61.64	0.02
12/1/2023	768	0.00	0.00	63.99	0.12	61.66	0.02
1/1/2024	769	7.44	1.00	64.99	3.74	61.96	0.30
2/1/2024	770	0.00	0.00	64.99	1.12	62.25	0.29
3/1/2024	771	0.00	0.00	64.99	0.58	62.36	0.11
4/1/2024	772	0.00	0.00	64.99	0.39	62.42	0.06
5/1/2024	773	0.00	0.00	64.99	0.30	62.47	0.05
6/1/2024	774	0.00	0.00	64.99	0.24	62.51	0.04
7/1/2024	775	0.00	0.00	64.99	0.20	62.53	0.03
8/1/2024	776	0.00	0.00	64.99	0.18	62.56	0.03
9/1/2024	777	0.00	0.00	64.99	0.16	62.58	0.02
10/1/2024	778	0.00	0.00	64.99	0.14	62.60	0.02
11/1/2024	779	0.00	0.00	64.99	0.13	62.62	0.02
12/1/2024	780	0.00	0.00	64.99	0.12	62.64	0.02

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1/1/2025	781	7.44	1.00	65.99	3.74	62.94	0.30
2/1/2025	782	0.00	0.00	65.99	1.12	63.23	0.29
3/1/2025	783	0.00	0.00	65.99	0.58	63.34	0.11
4/1/2025	784	0.00	0.00	65.99	0.39	63.40	0.06
5/1/2025	785	0.00	0.00	65.99	0.30	63.45	0.05
6/1/2025	786	0.00	0.00	65.99	0.24	63.49	0.04
7/1/2025	787	0.00	0.00	65.99	0.20	63.51	0.03
8/1/2025	788	0.00	0.00	65.99	0.18	63.54	0.03
9/1/2025	789	0.00	0.00	65.99	0.16	63.56	0.02
10/1/2025	790	0.00	0.00	65.99	0.14	63.58	0.02
11/1/2025	791	0.00	0.00	65.99	0.13	63.60	0.02
12/1/2025	792	0.00	0.00	65.99	0.12	63.62	0.02
1/1/2026	793	7.44	1.00	66.99	3.74	63.92	0.30
2/1/2026	794	0.00	0.00	66.99	1.12	64.21	0.29
3/1/2026	795	0.00	0.00	66.99	0.58	64.32	0.11
4/1/2026	796	0.00	0.00	66.99	0.39	64.38	0.06
5/1/2026	797	0.00	0.00	66.99	0.30	64.43	0.05
6/1/2026	798	0.00	0.00	66.99	0.24	64.47	0.04
7/1/2026	799	0.00	0.00	66.99	0.20	64.50	0.03
8/1/2026	800	0.00	0.00	66.99	0.18	64.52	0.03
9/1/2026	801	0.00	0.00	66.99	0.16	64.54	0.02
10/1/2026	802	0.00	0.00	66.99	0.14	64.56	0.02
11/1/2026	803	0.00	0.00	66.99	0.13	64.58	0.02
12/1/2026	804	0.00	0.00	66.99	0.12	64.60	0.02
1/1/2027	805	7.44	1.00	67.99	3.74	64.90	0.30
2/1/2027	806	0.00	0.00	67.99	1.12	65.19	0.29
3/1/2027	807	0.00	0.00	67.99	0.58	65.30	0.11
4/1/2027	808	0.00	0.00	67.99	0.39	65.36	0.06
5/1/2027	809	0.00	0.00	67.99	0.30	65.41	0.05
6/1/2027	810	0.00	0.00	67.99	0.24	65.45	0.04
7/1/2027	811	0.00	0.00	67.99	0.20	65.48	0.03
8/1/2027	812	0.00	0.00	67.99	0.18	65.50	0.03
9/1/2027	813	0.00	0.00	67.99	0.16	65.52	0.02
10/1/2027	814	0.00	0.00	67.99	0.14	65.54	0.02
11/1/2027	815	0.00	0.00	67.99	0.13	65.56	0.02
12/1/2027	816	0.00	0.00	67.99	0.12	65.58	0.02
1/1/2028	817	7.44	1.00	68.99	3.74	65.88	0.30
2/1/2028	818	0.00	0.00	68.99	1.12	66.17	0.29
3/1/2028	819	0.00	0.00	68.99	0.58	66.28	0.11
4/1/2028	820	0.00	0.00	68.99	0.39	66.35	0.06
5/1/2028	821	0.00	0.00	68.99	0.30	66.39	0.05
6/1/2028	822	0.00	0.00	68.99	0.24	66.43	0.04
7/1/2028	823	0.00	0.00	68.99	0.20	66.46	0.03
8/1/2028	824	0.00	0.00	68.99	0.18	66.48	0.03
9/1/2028	825	0.00	0.00	68.99	0.16	66.50	0.02
10/1/2028	826	0.00	0.00	68.99	0.14	66.52	0.02
11/1/2028	827	0.00	0.00	68.99	0.13	66.54	0.02
12/1/2028	828	0.00	0.00	68.99	0.12	66.56	0.02
1/1/2029	829	7.44	1.00	69.99	3.74	66.86	0.30
2/1/2029	830	0.00	0.00	69.99	1.12	67.16	0.29
3/1/2029	831	0.00	0.00	69.99	0.58	67.26	0.11
4/1/2029	832	0.00	0.00	69.99	0.39	67.33	0.06
5/1/2029	833	0.00	0.00	69.99	0.30	67.37	0.05
6/1/2029	834	0.00	0.00	69.99	0.24	67.41	0.04
7/1/2029	835	0.00	0.00	69.99	0.20	67.44	0.03
8/1/2029	836	0.00	0.00	69.99	0.18	67.46	0.03
9/1/2029	837	0.00	0.00	69.99	0.16	67.48	0.02
10/1/2029	838	0.00	0.00	69.99	0.14	67.50	0.02
11/1/2029	839	0.00	0.00	69.99	0.13	67.52	0.02
12/1/2029	840	0.00	0.00	69.99	0.12	67.54	0.02

User Input

Accounting Year: 2025

Table A

SWSP - Accounting Worksheet

Best Sand and Gravel, LLC

BSG West Gravel Pit SWSP

2025

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
			Pond Evaporation			**Dust Control**				**Mined Material**				**First Fill**		**Dewatering**			**Total**
Month		Days in Month	Monthly Net Evaporation	Avg. exposed groundwater surface area	Evaporative Consumptive Use	Monthly Gross Evaporation	Days of Application	Area of Application	Water Consumptive Use	Weight Mined Material	% Saturated by Volume	Saturated Mined Material	Water Consumptive Use	Volume filling pond below water table	Water Consumptive Use	Rate	Days of Operation	Volume	Consumptive Use
			(AF/AC)	(AC)	**(AF)**	(AF/AC)	(days)	(AC)	**(AF)**	(ton)	(%)	(ton)	**(AF)**	(AF)	**(AF)**	(gpm)	(days)	**AF**	**(AF)**
11	Nov	30	0.15		0.00	0.15			0.00		75%	0	0.00		0.00			0.00	0.00
12	Dec	31	0.01		0.00	0.11			0.00		75%	0	0.00		0.00			0.00	0.00
1	Jan	31	0.00		0.00	0.11			0.00		75%	0	0.00		0.00			0.00	0.00
2	Feb	28	0.11		0.00	0.13			0.00		75%	0	0.00		0.00			0.00	0.00
3	Mar	31	0.21		0.00	0.21			0.00		75%	0	0.00		0.00			0.00	0.00
4	Apr	30	0.34		0.00	0.34			0.00		75%	0	0.00		0.00			0.00	0.00
5	May	31	0.45		0.00	0.45			0.00		75%	0	0.00		0.00			0.00	0.00
6	Jun	30	0.54		0.00	0.54			0.00		75%	0	0.00		0.00			0.00	0.00
7	Jul	31	0.56		0.00	0.56			0.00		75%	0	0.00		0.00			0.00	0.00
8	Aug	31	0.51		0.00	0.51			0.00		75%	0	0.00		0.00			0.00	0.00
9	Sep	30	0.38		0.00	0.38			0.00		75%	0	0.00		0.00			0.00	0.00
10	Oct	31	0.26		0.00	0.26			0.00		75%	0	0.00		0.00			0.00	0.00
		Totals:	**3.51**		**0.00**	**3.75**			**0.00**	**0**		**0**	**0.00**	**0**	**0.00**			**0.00**	**0.00**

Notes

(1) Month of year

(2) Month of year

(3) Days in month

(4) Gross annual evaporation rate of 45 inches from NOAA TR NWS-33 (isopleths of shallow lake evaporation) by SEO distribution for lakes under 6500 feet adjusted by effective precipitation

(5) User Input: average area of exposed groundwater. Can be measured in square feet and then converted to acres.

(6) Net evaporation multiplied by exposed groundwater area

(7) Gross annual evaporation rate of 45 inches from NOAA TR NWS-33 (isopleths of shallow lake evaporation) by SEO distribution for lakes under 6500 feet

(8) User Input: Number of work days when dust control was applied

(9) User Input: Area where dust suppresison was applied (AC) - can convert sq ft to acres

(10) Consumtive use associate with with dust control equals gross evaporation times area times number of days divided by total days in month

(11) User Input: Production during month in tons (weight). Can be measured in cubic yards and converted to tons by multiplying by 1.62 tons/ cu.yd. (unit weight of gravel = 120 lbs/cu.ft)

(12) User Input: User must estimate percentage of material from saturated zones (default is 75%). If more topsoil, unsaturated material is mined, percent will be lower. If only saturated material is mined, value is 100%

(13) Multiplied total mined material by percentage that is saturated.

(14) Volume of groundwater lost with mined materials; Equals (Tons) * (2000 lb per ton) * (% Depletion = 2%) / 43560 ft per acre

(15) User Input: Measure volume of ponded water within pits and below the water table.

(16) First fill consumption is equal to the volume of water ponded below the water table.

(17) User Input: Dewatering rate as measured by pump

(18) User Input: Number of days dewater pump used (assuming 8 hours per day)

(19) Dewatering volume equals rate multiplied by use/day (minutes) multiplied days of use and converted from gallons to AF.

(20) Sum of colum (6), (10), (14), (16), and (19)

User Input

Accounting Year: Operation period of BSG West Gravel Pit

Table B - Depletion and Augmentation Analysis
SWSP - Accounting Worksheet (EXAMPLE)
Best Sand and Gravel, LLC
BSG West Gravel Pit SWSP

May 2025 - October 2030

(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
					Pond Evaporation Demand				Dust Control Demand				Mined Material Demand					First Fill Demand		Dewatering Demand			Total	Replacement Obligation and Sources					
Month		Year	Days in Month	Pit Name	Monthly Net Evaporation	Avg. New Groundwater Surface Area	Cumulative Exposed Groundwater	Evaporative Consumptive Use	Monthly Gross Evaporation	Days of Application	Area of Application	Water Consumptive Use	Weight Mined Material	Cumulative Mined Material	% Saturated by Volume	Saturated Mined Material	Water Consumptive Use	Volume used to fill pond below water table	Water Consumptive Use	Days of Operation	Rate	Volume	Depletions	Lagged Depletions To Gunnison River	Gunnison River Call	Out-of-Priority Depletions	Augmentation Requirement	Blue Mesa Reservoir Release (Contract w/ 10% Transit Loss)	Excess or Deficit to the Gunnison River
					(AF/AC)	(AC)	(AC)	(AF)	(AF/AC)	(days)	(AC)	(AF)	(ton)	(ton)	(%)	(ton)	(AF)	(AF)	(AF)	(days)	(gpd)	AF	(AF)	(AF)	(days)	(AF)	(AF)	(AF)	(AF)
11	Nov	2024	30		0.15			0.00	0.15			0.00					0.00		0.00			0.00	0.00						
12	Dec	2024	31		0.01			0.00	0.11			0.00					0.00		0.00			0.00	0.00						
1	Jan	2025	31		0.00			0.00	0.11			0.00					0.00		0.00			0.00	0.00						
2	Feb	2025	28		0.11			0.00	0.13			0.00					0.00		0.00			0.00	0.00						
3	Mar	2025	31		0.21			0.00	0.21			0.00					0.00		0.00			0.00	0.00						
4	Apr	2025	30		0.34			0.00	0.34			0.00					0.00		0.00			0.00	0.00						
5	May	2025	31	Phase 1	0.45	0.9	0.9	0.39	0.45	22	2	0.64	46,512	46,512	75%	34884	0.51	0.0	0.00			6.96	8.51	0.0	1	0.0	0.9	1.0	0.92
6	Jun	2025	30	Phase 1	0.54	0.9	1.7	0.95	0.54	21	2	0.76	46,512	93,023	75%	34884	0.51	7.0	6.96			6.96	16.15	8.2	1	0.3	1.1	1.2	0.85
7	Jul	2025	31	Phase 1	0.56	0.9	2.6	1.47	0.56	23	2	0.83	46,512	139,535	75%	34884	0.51	7.0	6.96			6.96	16.74	12.7	0	0.0	0.0	0.0	0.00
8	Aug	2025	31	Phase 1	0.51	0.9	3.5	1.77	0.51	21	2	0.69	46,512	186,047	75%	34884	0.51	7.0	6.96			6.96	16.89	15.0	0	0.0	0.0	0.0	0.00
9	Sep	2025	30	Phase 1	0.38	0.9	4.4	1.64	0.38	22	2	0.55	46,512	232,558	75%	34884	0.51	7.0	6.96			6.96	16.62	15.9	0	0.0	0.0	0.0	0.00
10	Oct	2025	31	Phase 1	0.26	0.7	5.0	1.32	0.26	23	2	0.39	34,884	267,442	75%	26163	0.39	7.0	6.96			6.96	16.01	16.1	0	0.0	0.0	0.0	0.00
WY Totals:					**3.51**	**5.0**		**7.54**	**3.75**	**132**		**3.86**	**267442**			**200581**	**2.95**	**34.8**	**34.80**			**41.77**	**90.92**	**67.9**	**2**	**0.3**	**2.0**	**2.2**	**1.76**
11	Nov	2025	30	Phase 1	0.15	0.4	5.5	0.82	0.15	20	2	0.20	23,256	290,698	75%	17442	0.26	5.1	5.09			5.09	11.46	14.7	0	0.0	0.0	0.0	0.00
12	Dec	2025	31	Phase 1	0.01	0.4	5.9	0.04	0.11	23	2	0.17	23,256	313,953	75%	17442	0.26	3.5	3.48			3.48	7.43	11.7	9	3.4	5.2	5.8	1.85
1	Jan	2026	31	Phase 1	0.00	0.9	6.8	0.00	0.11	22	2	0.16	46,512	360,465	75%	34884	0.51	3.5	3.48			3.48	7.63	9.4	31	9.4	15.8	17.3	6.36
2	Feb	2026	28	Phase 1	0.11	0.9	7.6	0.82	0.13	20	2	0.19	46,512	406,977	75%	34884	0.51	7.0	6.96			6.96	15.45	10.8	28	10.8	16.9	18.6	6.06
3	Mar	2026	31	Phase 1	0.21	0.9	8.5	1.76	0.21	22	2	0.29	46,512	453,488	75%	34884	0.51	7.0	6.96			6.96	16.48	13.7	18	8.0	11.3	12.4	3.36
4	Apr	2026	30	Phase 1	0.34	0.9	9.4	3.17	0.34	22	2	0.50	46,512	500,000	75%	34884	0.51	7.0	6.96			6.96	18.10	15.7	10	5.2	7.8	8.6	2.57
5	May	2026	31	Phase 1	0.45	0.9	10.3	4.61	0.45	21	2	0.61	46,512	546,512	75%	34884	0.51	7.0	6.96			6.96	19.66	17.5	1	0.6	0.9	1.0	0.35
6	Jun	2026	30	Phase 1	0.54	0.9	11.1	6.05	0.54	22	2	0.80	46,512	593,023	75%	34884	0.51	7.0	6.96			6.96	21.28	19.2	1	0.6	1.1	1.2	0.48
7	Jul	2026	31	Phase 2	0.56	0.9	12.0	6.75	0.56	23	2	0.83	46,512	639,535	75%	34884	0.51	7.0	6.96			6.96	22.02	20.6	0	0.0	0.0	0.0	0.00
8	Aug	2026	31	Phase 2	0.51	0.9	12.9	6.52	0.51	21	2	0.69	46,512	686,047	75%	34884	0.51	7.0	6.96			6.96	21.64	21.3	0	0.0	0.0	0.0	0.00
9	Sep	2026	30	Phase 2	0.38	0.9	13.7	5.15	0.38	22	2	0.55	46,512	732,558	75%	34884	0.51	7.0	6.96			6.96	20.14	21.0	0	0.0	0.0	0.0	0.00
10	Oct	2026	31	Phase 2	0.26	0.7	14.4	3.78	0.26	22	2	0.37	34,884	767,442	75%	26163	0.39	7.0	6.96			6.96	18.46	20.0	0	0.0	0.0	0.0	0.00
WY Totals:					**3.51**	**9.4**		**39.48**	**3.75**	**260**		**5.35**	**500000**			**375000**	**5.52**	**74.7**	**74.70**			**74.70**	**199.75**	**195.5**	**98**	**38.0**	**59.1**	**65.0**	**21.04**
11	Nov	2026	30	Phase 2	0.15	0.4	14.8	2.23	0.15	21	2	0.21	23,256	790,698	75%	17442	0.26	5.1	5.09			5.09	12.88	17.4	0	0.0	0.0	0.0	0.00
12	Dec	2026	31	Phase 2	0.01	0.4	15.3	0.11	0.11	22	2	0.16	23,256	813,953	75%	17442	0.26	3.5	3.48			3.48	7.49	13.3	9	3.9	5.2	5.8	1.39
1	Jan	2027	31	Phase 2	0.00	0.9	16.1	0.00	0.11	21	2	0.15	46,512	860,465	75%	34884	0.51	3.5	3.48			3.48	7.63	10.1	31	10.1	15.8	17.3	5.62
2	Feb	2027	28	Phase 2	0.11	0.9	17.0	1.83	0.13	20	2	0.19	46,512	906,977	75%	34884	0.51	7.0	6.96			6.96	16.46	11.5	28	11.5	16.9	18.6	5.40
3	Mar	2027	31	Phase 2	0.21	0.9	17.9	3.69	0.21	23	2	0.31	46,512	953,488	75%	34884	0.51	7.0	6.96			6.96	18.43	14.9	18	8.6	11.3	12.4	2.69
4	Apr	2027	30	Phase 2	0.34	0.9	18.8	6.33	0.34	22	2	0.50	46,512	1,000,000	75%	34884	0.51	7.0	6.96			6.96	21.26	17.7	10	5.9	7.8	8.6	1.92
5	May	2027	31	Phase 2	0.45	0.9	19.6	8.84	0.45	20	2	0.58	46,512	1,046,512	75%	34884	0.51	7.0	6.96			6.96	23.85	20.4	1	0.7	0.9	1.0	0.26
6	Jun	2027	30	Phase 2	0.54	0.9	20.5	11.15	0.54	22	2	0.80	46,512	1,093,023	75%	34884	0.51	7.0	6.96			6.96	26.39	23.1	1	0.8	1.1	1.2	0.35
7	Jul	2027	31	Phase 2	0.56	0.9	21.4	12.03	0.56	22	2	0.80	46,512	1,139,535	75%	34884	0.51	7.0	6.96			6.96	27.26	25.2	0	0.0	0.0	0.0	0.00
8	Aug	2027	31	Phase 2	0.51	0.9	22.3	11.27	0.51	23	2	0.75	46,512	1,186,047	75%	34884	0.51	7.0	6.96			6.96	26.45	26.1	0	0.0	0.0	0.0	0.00
9	Sep	2027	30	Phase 2	0.38	0.9	23.1	8.67	0.38	22	2	0.55	46,512	1,232,558	75%	34884	0.51	7.0	6.96			6.96	23.66	25.4	0	0.0	0.0	0.0	0.00
10	Oct	2027	31	Phase 2	0.26	0.7	23.8	6.24	0.26	22	2	0.37	34,884	1,267,442	75%	26163	0.39	7.0	6.96			6.96	20.92	23.6	0	0.0	0.0	0.0	0.00
WY Totals:					**3.51**	**9.4**		**72.40**	**3.75**	**260**		**5.36**	**500000**			**375000**	**5.52**	**75**	**74.70**			**74.70**	**232.68**	**228.6**	**98**	**41.4**	**59.1**	**65.0**	**17.62**

User Input

Accounting Year: Operation period of BSG West Gravel Pit

Table B - Depletion and Augmentation Analysis
SWSP - Accounting Worksheet (EXAMPLE)
Best Sand and Gravel, LLC
BSG West Gravel Pit SWSP
May 2025 - October 2030

(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
					Pond Evaporation Demand				Dust Control Demand				Mined Material Demand					First Fill Demand		Dewatering Demand			Total	Replacement Obligation and Sources					
Month		Year	Days in Month	Pit Name	Monthly Net Evaporation	Avg. New Groundwater Surface Area	Cumulative Exposed Groundwater	Evaporative Consumptive Use	Monthly Gross Evaporation	Days of Application	Area of Application	Water Consumptive Use	Weight Mined Material	Cumulative Mined Material	% Saturated by Volume	Saturated Mined Material	Water Consumptive Use	Volume used to fill pond below water table	Water Consumptive Use	Days of Operation	Rate	Volume	Depletions	Lagged Depletions To Gunnison River	Gunnison River Call	Out-of-Priority Depletions	Augmentation Requirement	Blue Mesa Reservoir Release (Contract w/ 10% Transit Loss)	Excess or Deficit to the Gunnison River
					(AF/AC)	(AC)	(AC)	(AF)	(AF/AC)	(days)	(AC)	(AF)	(ton)	(ton)	(%)	(ton)	(AF)	(AF)	(AF)	(days)	(gpd)	AF	(AF)	(AF)	(days)	(AF)	(AF)	(AF)	(AF)
11	Nov	2027	30	Phase 2	0.15	0.4	24.2	3.63	0.15	21	2	0.21	23,256	1,290,698	75%	17442	0.26	5.1	5.09			5.09	14.28	20.1	0	0.0	0.0	0.0	0.00
12	Dec	2027	31	Phase 3	0.01	0.4	24.7	0.18	0.11	22	2	0.16	23,256	1,313,953	75%	17442	0.26	3.5	3.48			3.48	7.56	14.8	9	4.3	5.2	5.8	0.93
1	Jan	2028	31	Phase 3	0.00	0.9	25.5	0.00	0.11	21	2	0.15	46,512	1,360,465	75%	34884	0.51	3.5	3.48			3.48	7.63	10.9	31	10.9	15.8	17.3	4.90
2	Feb	2028	28	Phase 3	0.11	0.9	26.4	2.85	0.13	20	2	0.19	46,512	1,406,977	75%	34884	0.51	7.0	6.96			6.96	17.47	12.1	28	12.1	16.9	18.6	4.76
3	Mar	2028	31	Phase 3	0.21	0.9	27.3	5.63	0.21	23	2	0.31	46,512	1,453,488	75%	34884	0.51	7.0	6.96			6.96	20.37	16.0	18	9.3	11.3	12.4	2.03
4	Apr	2028	30	Phase 3	0.34	0.9	28.1	9.50	0.34	22	2	0.50	46,512	1,500,000	75%	34884	0.51	7.0	6.96			6.96	24.43	19.6	10	6.5	7.8	8.6	1.27
5	May	2028	31	Phase 3	0.45	0.9	29.0	13.06	0.45	20	2	0.58	46,512	1,546,512	75%	34884	0.51	7.0	6.96			6.96	28.08	23.4	1	0.8	0.9	1.0	0.16
6	Jun	2028	30	Phase 3	0.54	0.9	29.9	16.25	0.54	22	2	0.80	46,512	1,593,023	75%	34884	0.51	7.0	6.96			6.96	31.49	27.0	1	0.9	1.1	1.2	0.22
7	Jul	2028	31	Phase 3	0.56	0.9	30.8	17.31	0.56	22	2	0.80	46,512	1,639,535	75%	34884	0.51	7.0	6.96			6.96	32.54	29.8	0	0.0	0.0	0.0	0.00
8	Aug	2028	31	Phase 3	0.51	0.9	31.6	16.02	0.51	23	2	0.75	46,512	1,686,047	75%	34884	0.51	7.0	6.96			6.96	31.20	30.9	0	0.0	0.0	0.0	0.00
9	Sep	2028	30	Phase 3	0.38	0.9	32.5	12.19	0.38	22	2	0.55	46,512	1,732,558	75%	34884	0.51	7.0	6.96			6.96	27.18	29.8	0	0.0	0.0	0.0	0.00
10	Oct	2028	31	Phase 3	0.26	0.7	33.2	8.71	0.26	22	2	0.37	34,884	1,767,442	75%	26163	0.39	7.0	6.96			6.96	23.39	27.2	0	0.0	0.0	0.0	0.00
WY Totals:					**3.51**	**9.4**		**105.32**	**3.75**	**260**		**5.36**	**500000**			**375000**	**5.52**	**75**	**74.70**			**74.70**	**265.60**	**261.5**	**98**	**44.8**	**59.1**	**65.0**	**14.28**
11	Nov	2028	30	Phase 3	0.15	0.4	33.6	5.04	0.15	21	2	0.21	23,256	1,790,698	75%	17442	0.26	5.1	5.09			5.09	15.69	22.7	0	0.0	0.0	0.0	0.00
12	Dec	2028	31	Phase 3	0.01	0.4	34.0	0.25	0.11	22	2	0.16	23,256	1,813,953	75%	17442	0.26	3.5	3.48			3.48	7.62	16.4	9	4.8	5.2	5.8	0.48
1	Jan	2029	31	Phase 3	0.00	0.9	34.9	0.00	0.11	21	2	0.15	46,512	1,860,465	75%	34884	0.51	3.5	3.48			3.48	7.63	11.6	31	11.6	15.8	17.3	4.18
2	Feb	2029	28	Phase 3	0.11	0.9	35.8	3.86	0.13	20	2	0.19	46,512	1,906,977	75%	34884	0.51	7.0	6.96			6.96	18.48	12.8	28	12.8	16.9	18.6	4.12
3	Mar	2029	31	Phase 4	0.21	0.9	36.7	7.56	0.21	23	2	0.31	46,512	1,953,488	75%	34884	0.51	7.0	6.96			6.96	22.30	17.1	18	9.9	11.3	12.4	1.38
4	Apr	2029	30	Phase 4	0.34	0.9	37.5	12.67	0.34	22	2	0.50	46,512	2,000,000	75%	34884	0.51	7.0	6.96			6.96	27.60	21.6	10	7.2	7.8	8.6	0.62
5	May	2029	31	Phase 4	0.45	0.9	38.4	17.28	0.45	20	2	0.58	46,512	2,046,512	75%	34884	0.51	7.0	6.96			6.96	32.30	26.3	1	0.8	0.9	1.0	0.07
6	Jun	2029	30	Phase 4	0.54	0.9	39.3	21.36	0.54	22	2	0.80	46,512	2,093,023	75%	34884	0.51	7.0	6.96			6.96	36.59	30.9	1	1.0	1.1	1.2	0.09
7	Jul	2029	31	Phase 4	0.56	0.9	40.1	22.58	0.56	22	2	0.80	46,512	2,139,535	75%	34884	0.51	7.0	6.96			6.96	37.82	34.4	0	0.0	0.0	0.0	0.00
8	Aug	2029	31	Phase 4	0.51	0.9	41.0	20.77	0.51	23	2	0.75	46,512	2,186,047	75%	34884	0.51	7.0	6.96			6.96	35.95	35.7	0	0.0	0.0	0.0	0.00
9	Sep	2029	30	Phase 4	0.38	0.9	41.9	15.71	0.38	22	2	0.55	46,512	2,232,558	75%	34884	0.51	7.0	6.96			6.96	30.70	34.2	0	0.0	0.0	0.0	0.00
10	Oct	2029	31	Phase 4	0.26	0.7	42.5	11.17	0.26	22	2	0.37	34,884	2,267,442	75%	26163	0.39	7.0	6.96			0.00	18.89	28.7	0	0.0	0.0	0.0	0.00
WY Totals:					**3.51**	**9.4**		**138.24**	**3.75**	**260**		**5.36**	**500000**			**375000**	**5.52**	**75**	**74.70**			**67.74**	**291.56**	**292.3**	**98**	**48.1**	**59.1**	**65.0**	**10.94**
11	Nov	2029	30	Phase 4	0.15	0.4	43.0	6.45	0.15	21	2	0.21	23,256	2,290,698	75%	17442	0.26	5.1	5.09			5.09	17.10	22.7	0	0.0	0.0	0.0	0.00
12	Dec	2029	31	Phase 4	0.01	0.4	43.4	0.32	0.11	22	2	0.16	23,256	2,313,953	75%	17442	0.26	3.5	3.48			3.48	7.69	16.8	9	4.9	5.2	5.8	0.37
1	Jan	2030	31	Phase 4	0.00	0.9	44.3	0.00	0.11	21	2	0.15	46,512	2,360,465	75%	34884	0.51	3.5	3.48			3.48	7.63	11.8	31	11.8	15.8	17.3	3.99
2	Feb	2030	28	Phase 4	0.11	0.9	45.2	4.87	0.13	20	2	0.19	46,512	2,406,977	75%	34884	0.51	7.0	6.96			6.96	19.49	13.2	28	13.2	16.9	18.6	3.73
3	Mar	2030	31	Phase 4	0.21	0.9	46.0	9.50	0.21	23	2	0.31	46,512	2,453,488	75%	34884	0.51	7.0	6.96			6.96	24.24	18.1	18	10.5	11.3	12.4	0.79
4	Apr	2030	30	Phase 4	0.34	0.9	46.9	15.83	0.34	22	2	0.50	46,512	2,500,000	75%	34884	0.51	7.0	6.96			6.96	30.76	23.4	10	7.8	7.8	8.6	-0.01
5	May	2030	31	Phase 4	0.45	0.9	47.8	21.50	0.45	20	2	0.58	46,512	2,546,512	75%	34884	0.51	7.0	6.96			6.96	36.52	29.2	1	0.9	0.9	1.0	-0.03
6	Jun	2030	30	Phase 4	0.54	0.9	48.7	26.46	0.54	22	2	0.80	46,512	2,593,023	75%	34884	0.51	7.0	6.96			6.96	41.69	34.8	1	1.2	1.1	1.2	-0.04
7	Jul	2030	31	Phase 4	0.56	0.9	49.5	27.86	0.56	22	2	0.80	46,512	2,639,535	75%	34884	0.51	7.0	6.96			6.96	43.10	39.0	0	0.0	0.0	0.0	0.00
8	Aug	2030	31	Phase 4	0.51	0.9	50.4	25.52	0.51	23	2	0.75	46,512	2,686,047	75%	34884	0.51	7.0	6.96			6.96	40.70	40.5	0	0.0	0.0	0.0	0.00
9	Sep	2030	30	Phase 4	0.38	0.6	51.0	19.13	0.38	22	2	0.55	31,759	2,717,806	75%	23819	0.35	7.0	6.96			6.96	33.95	38.5	0	0.0	0.0	0.0	0.00
10	Oct	2030	31																										0.00
WY Totals:					**3.25**	**8.5**		**157.43**	**3.49**	**238**		**4.99**	**450364**			**337773**	**4.97**	**68**	**67.74**			**67.74**	**302.87**	**288.1**	**98**	**50.3**	**59.1**	**65.0**	**8.80**

User Input

Accounting Year: Operation period of BSG West Gravel Pit

Table B - Depletion and Augmentation Analysis
SWSP - Accounting Worksheet (EXAMPLE)
Best Sand and Gravel, LLC
BSG West Gravel Pit SWSP

May 2025 - October 2030

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)
				Pond Evaporation Demand				Dust Control Demand				Mined Material Demand					First Fill Demand		Dewatering Demand			Total	Replacement Obligation and Sources					
Month	Year	Days in Month	Pit Name	Monthly Net Evaporation	Avg. New Groundwater Surface Area	Cumulative Exposed Groundwater	Evaporative Consumptive Use	Monthly Gross Evaporation	Days of Application	Area of Application	Water Consumptive Use	Weight Mined Material	Cumulative Mined Material	% Saturated by Volume	Saturated Mined Material	Water Consumptive Use	Volume used to fill pond below water table	Water Consumptive Use	Days of Operation	Rate	Volume	Depletions	Lagged Depletions To Gunnison River	Gunnison River Call	Out-of-Priority Depletions	Augmentation Requirement	Blue Mesa Reservoir Release (Contract w/ 10% Transit Loss)	Excess or Deficit to the Gunnison River
				(AF/AC)	(AC)	(AC)	**(AF)**	(AF/AC)	(days)	(AC)	**(AF)**	(ton)	(ton)	(%)	(ton)	**(AF)**	(AF)	**(AF)**	(days)	(gpd)	**AF**	**(AF)**	(AF)	(days)	(AF)	(AF)	(AF)	**(AF)**

Notes

(1) Month of year

(2) Month of year

(3) Days in month

(4) BSG West Gravel Pit will be mined in phases in numerical order from 1- 4.

(5) Gross annual evaporation rate of 45 inches from NOAA TR NWS-33 (isopleths of shallow lake evaporation) by SEO distribution for lakes under 6500 feet adjusted by effective precipitation

(6) User Input: average area of exposed groundwater. Can be measured in square feet and then converted to acres. In this example, area is calculated as total area of phased area times the monthly mined material divided by the total minded material in the phased area

(7) Equals this month exposed surface area plus the cumulative area of the previous month

(8) Net evaporation multiplied by exposed groundwater area

(9) Gross annual evaporation rate of 45 inches from NOAA TR NWS-33 (isopleths of shallow lake evaporation) by SEO distribution for lakes under 6500 feet

(10) User Input: Number of work days when dust control was applied. In this example, assumed to equal 260 days annually. Referenced calendar for actual distribution.

(11) User Input: Area where dust suppresison was applied (AC) - can convert sq ft to acres (default is 2 acres)

(12) Consumtive use associate with with dust control equals gross evaporation times area times number of days divided by total days in month

(13) User Input: Production during month in tons (weight). Can be measured in cubic yards and converted to tons by multiplying by 1.62 tons/ cu.yd. (unit weight of gravel = 120 lbs/cu.ft). In this example, numbers were expected to follow the mine operation plan.

(14) Equals this month mined material area plus the cumulative mined material of the previous month. Used to determine which phase is being mined.

(15) User Input: User must estimate percentage of material from saturated zones (default is 75%). If more topsoil, unsaturated material is mined, percent will be lower. If only saturated material is mined, value is 100%

(16) Multiplied total mined material by percentage that is saturated.

(17) Volume of groundwater lost with mined materials assuming 2% depletion of saturated mined materials; Equals (Tons) * (2000 lb per ton) * (% Depletion = 2%) / 43560 ft per acre

(18) User Input: Measure volume of ponded water within pits and below the water table. In this example, first fill is calculated as volume of mined material beneath the groundwater table removed in the previous month (less backfill and water removed with mined materials).

(19) First fill consumption is equal to the volume of water ponded below the water table.

(20) User Input: Days of Operation (not used in this example) as the volume of first fill equals the dewatering volume

(21) User Input: Rate of dewatering pump (gpm) multiplied by the number of minutes of daily operation. (not used in this example)

(22) Demands associated with dewatering equal the daily pumping rate multiplied by the number of days of operation. Equal to first fill volume

(23) Sum of column (8), (12), (17), (19), and (22). Total demand is equal to total depletion because all uses are 100% consumptive.

(24) Depletions in column (23) lagged using lagging factors from Glover Analysis.

(25) Number of call days on the Gunnison River based on conversations with DWR Division 4 office.

(26) Out-of-priority depletions equal the lagged depletion times the number of days of call divided by the number of days in the month.

(27) The augmentation requirement equals the Out-of-priority depletions

(28) The Blue Mesa Reservour contract water purchases will include a 10% transit loss factor. The contract amounts are based on an analysis of the full BSG West Gravel Pit area.

(29) Excess (positive value) and deficit (negative value) water in the Gunnison River due to mining operations. The plan is viable if values in all months are greater than or equal to 0.