

MEMORANDUM

November 3, 2022

TO: Colorado Division of Water Resources
Attention: Ioana Comaniciu

FROM: Jay C. Davenport, P.E.

SUBJECT: 90 Day Initial Liner Test Report
Double Jack's Varra Reservoir
DRMS Permit Number: M-2009-018 Heintzelman Project (Pit 116)
Section 32, T3N, R67W
Water Division 1, Water District 5
Weld County, Colorado

Varra Companies (Varra) completed construction of a compacted clay liner for the subject gravel pit in 2022 and has been testing the performance of liner since June 2022. The test data presented herein suggests that Varra Companies constructed a lined reservoir ready for water storage. Varra Companies requests the State Engineer (Division of Water Resources, herein referred to as the Division) to provide written determination to Varra Companies that they have constructed a lined reservoir and is entitled to store water in it.

The performance testing is in accordance with the Initial Liner Test defined by "State Engineer Guidelines for Lining Criteria for Gravel Pits," dated August 1999, pursuant to SB 89-120 and SB 93-260 (attached). This testing determines the amount of groundwater inflow into the pit and compares it to the allowable standards for 90 days. The testing monitored inflows (precipitation, groundwater) and outflows (evaporation) into and out of the pit to determine a water balance. The 90 day period for the test is from June 16, 2022 to September 13, 2022. This performance testing is the same method used for previous tests performed on Varra Companies-owned lined pits (Pit 112 and Dakolios East in 2003, Von Ohlen and Dakolios West in 2010, 120 Reservoir Cell B in 2017).

This memorandum presents the site conditions, monitoring equipment used, the allowable seepage rates, the estimated seepage rate, and a comparison of the allowable seepage rates to the estimated seepage rates.

As an engineering consultant, I evaluate performance of Varra Companies clay liners and report all seepage data related to initial liner testing and subsequent performance monitoring for these lined gravel pit water storage reservoirs.

SUMMARY OF SITE CONDITIONS

Double Jack's Varra Reservoir is a reclaimed gravel pit located near the St. Vrain Creek in southern Weld County between the towns of Firestone and Platteville. The reservoir is bordered on the west by Weld County Road 17 and on the north by Weld County Road 28 and is located within the NE $\frac{1}{4}$ of Section 32 in Township 3 North, Range 67 West. The reservoir is located with Water District 5 of Water Division 1 of the Colorado Division of Water Resources.

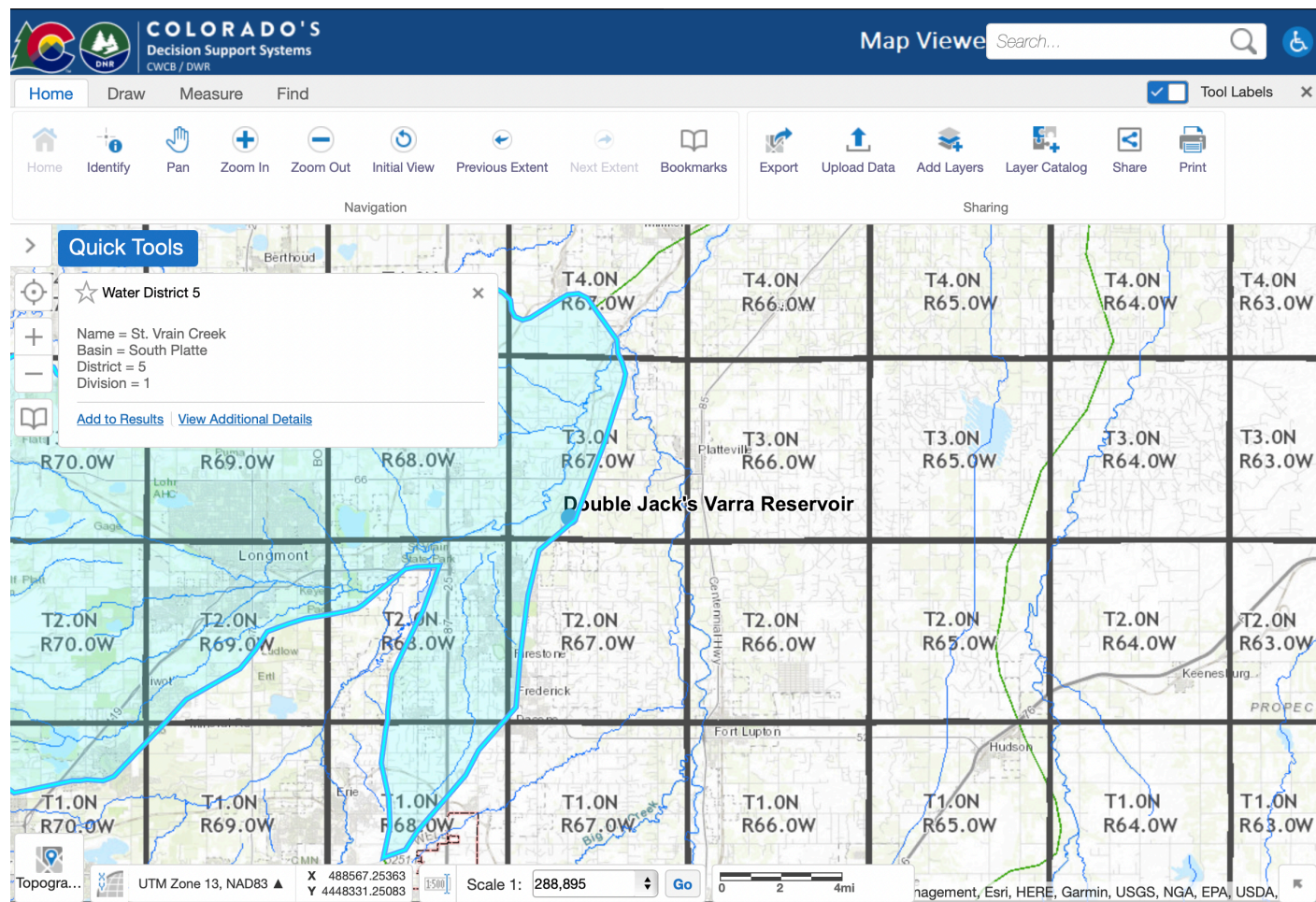


Figure 1 - Reservoir location.

The reservoir is part of final reclamation of a sand and gravel mining operation called the Heintzelman Project (Pit 116), covering approximately 65 acres. The reservoir is constructed with a compacted clay liner along the perimeter of the mined area, with a low permeable shale bedrock bottom. The water storage capacity of the reservoir is approximately 2,000 acre-feet. The surrounding topography at the reservoir consists of a relatively flat ground surface at El. 4800. The reservoir is approximately 55 feet deep with a flat bottom at El. 4745 and engineered side slopes (typically 1:5 (vertical: horizontal)). A wet well is constructed at the northeastern corner of the pit to facilitate withdrawals and inflows. A rain gauge is located on the wet well structure.



Figure 2 - Construction of clay liner in October 2017 along the western highwall of the gravel pit.



Figure 3 - Dewatering trench installed in shale bedrock during clay liner construction in October 2017.



Figure 4 - Completed lined pit in August 2022 (view to the north).



Figure 5 - Completed lined pit in August 2022 (view looking south) with wet well (far left side of photo).



Figure 6 - Reservoir water surface measurement from wet well.



Figure 9- Rain gauge installed at wet well.

Geologic Conditions

The reservoir is located within the alluvial plain of the St. Vrain Creek. The geology consists of Quaternary-aged alluvial deposits overlying Cretaceous-age mudstone bedrock. The alluvial deposits consist of approximately 3 feet of fine alluvium (overburden) overlying approximately 30 to 45 ft of coarse alluvium (commercial sand & gravel). Below the alluvium, the shale bedrock consists of the upper member of the Pierre Shale. During the initial liner test, the alluvial groundwater table was approximately 15 to 24 feet below ground surface based on measurements taken from piezometers outside the reservoir's clay liner.

Overburden, sand & gravel, and shale bedrock were extracted from the pit during mining. Sand & gravel were mined to the top of bedrock. The final highwall was mined to a near vertical slope. A perimeter dewatering trench was installed at the base of the highwall that extended several feet into the shale bedrock. The highwall was reclaimed with a grey clay material derived from excavated and reworked shale bedrock from the pit bottom. The clay was placed and compacted in approximately 6 inch lifts to create a clay liner for water storage as part of final reclamation.

During the clay liner construction, an interior dewatering trench was installed to capture seepage until the liner was completed. Mining continued into the shale bedrock for an additional depth 5 to 15 feet. Additional bedrock-derived clay was placed and compacted onto the reclamation slope.

GROUNDWATER INFLOW STANDARDS

The State Engineer has two standards for the maximum allowable groundwater inflow from the perimeter and the bottom of a lined gravel pit as shown below.

	Design Standard	Performance Standard
Pit Perimeter	0.03 ft ³ /day/ft ²	0.09 ft ³ /day/ft ²
Pit Bottom	0.0015 ft ³ /day/ft ²	0.0045 ft ³ /day/ft ²

These standards are used to determine the frequency of water budget accounting that will need to be implemented during the operation of the water storage reservoir after the Initial Liner Test.

After completion of the initial test	Required water budget accounting
If the Design Standard is met.	Monthly (as long as the liner continues to meet the Design Standard)
If the Performance Standard is met.	Weekly (as long as the liner continues to meet the Performance Standard)
If the Performance Standard is not met.	Every 48 hours. If the Performance Standard is not met for two consecutive months, then corrective action.

INITIAL LINER TEST

With liner construction complete in 2022, the contents of the reservoir were evacuated by June 16, 2022. Unregulated groundwater has been inflowing into the reservoir June 16, 2022. Water surface elevation and precipitation at the pit are measured and recorded by Varra Companies. Water surface elevation is measured to the nearest hundredth of a foot using an electronic water level meter that measures the depth from a control point at the top of the wet well to the water surface inside the wet well. The water in the wet well is in equilibrium with the water elevation in the pit. Precipitation is measured to the nearest hundredth of an inch using a 3-inch diameter rain gauge mounted next to the wet well.

Varra Companies emails these measurements to Jay Davenport on a monthly basis. Measurement data is transferred into a water balance spreadsheet (see attachment). Precipitation measurements are compared to the Northern Colorado Water Conservation District three weather stations (Fort Lupton, Gilcrest, Longmont West) as a quality control, especially when precipitation comes as snow. The spreadsheet calculates a water balance for each month for the pit so that an estimate of groundwater seepage into the lined pit can be made. The spreadsheet shows groundwater seepage on a monthly basis and was also used for the entire period of initial liner testing duration and compares the actual seepage to the allowable seepage.

The amount of groundwater inflow into the pit is estimated by comparing the net inflow of water into the pit (precipitation less evaporation) to the change in volume of water in the pit. Precipitation is a combination of direct precipitation on the water surface and runoff from precipitation falling on the soil in the pit. The spreadsheet assumes 30 percent of the volume of precipitation falling onto the soil in the pit will result in runoff and storage into the pit bottom, and the remaining 70 percent is effective precipitation that is fully consumed (as suggested by the State Engineer for historical consumptive use in the "General Guidelines for Substitute Water Supply Plans for Sand and Gravel Pits Submitted to the State Engineer Pursuant to SB989). Evaporation is determined by the estimated annual free water surface evaporation at the site, which is 42 inches, based on the Map 3 of the Evaporation Atlas for the Contiguous 48 United States, NOAA Technical Report NWS 33 dated June 1982. The evaporation rate is adjusted for seasonal differences based on a monthly distribution of the annual evaporation as suggested by the State Engineer (see attachment).

The allowable inflow is determined based on the State Engineer's standards. The design standard for allowable groundwater inflow is calculated by the following method. A calculation sheet is attached:

$$\begin{aligned} & \text{Groundwater inflow through the liner installed into the top of bedrock} \\ & (0.03 \text{ ft}^3/\text{day}/\text{ft}^2 \times \text{outside perimeter (in feet) of the clay liner placed against the final highwall} \times \text{average vertical depth (in feet)} \\ & \quad \text{from the original ground surface to the top of natural bedrock}) \\ & + \\ & \text{Groundwater inflow through the natural bedrock at the bottom of the pit.} \\ & (0.0015 \text{ ft}^3/\text{day}/\text{ft}^2 \times \text{area of the natural bedrock bounded by the perimeter of the clay liner (in square feet)}) \end{aligned}$$

RESULTS

The results of the initial liner test during a 90-day period from June 16, 2022 to September 13, 2022 indicate the reservoir meets the Design Standard for a lined gravel pit. The calculated groundwater inflow during the initial liner test was -1.89 acre-feet. The allowable groundwater inflow for the Design Standard is 29.49 acre-feet. A summary of the results is attached. These results suggest that liner is functioning very well, confirmed by field observations during the test where very little seepage was observed. The resulting negative inflow suggested by the calculation may be the result of groundwater absorption into the liner materials and actual effective precipitation and evaporation. The calculation model for precipitation and evaporation will be updated, if necessary, but the current result is well within an expected variability and accuracy of the model.

Additional information is available to the Division if requested.

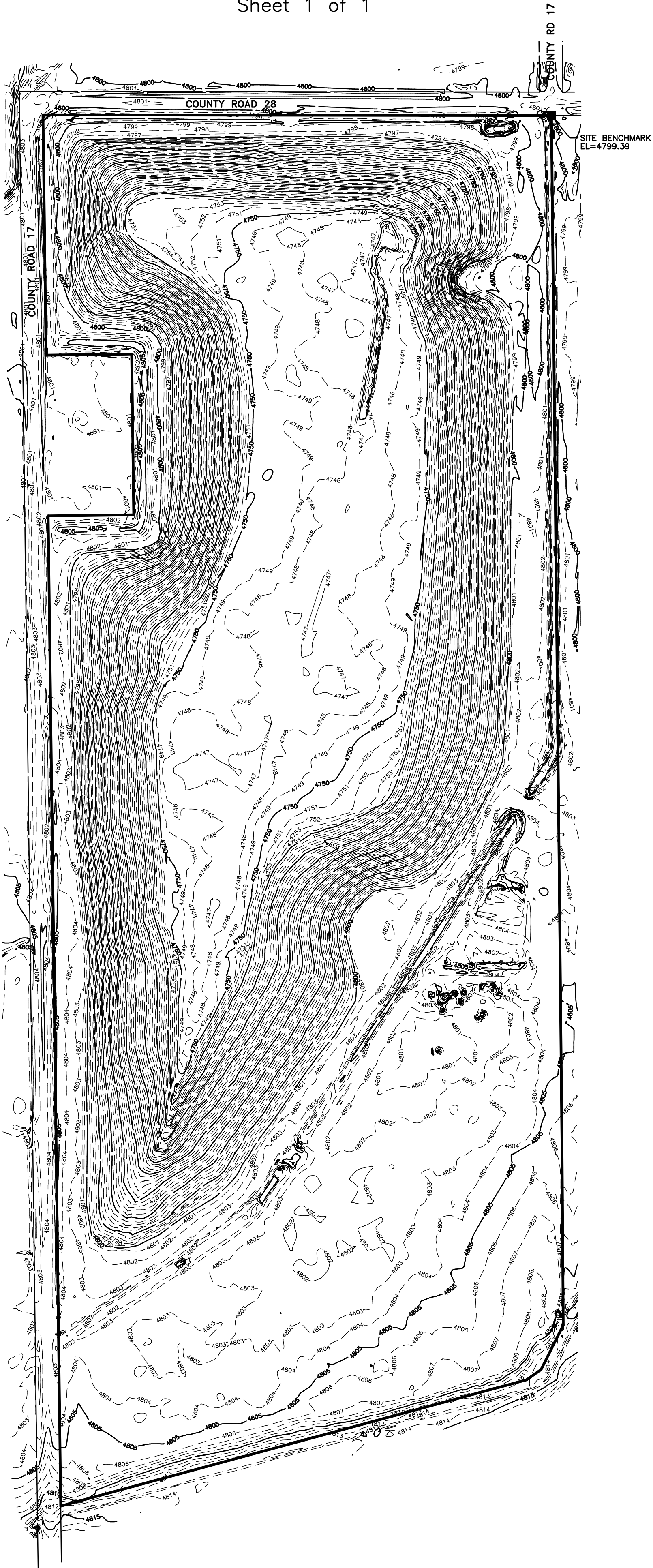
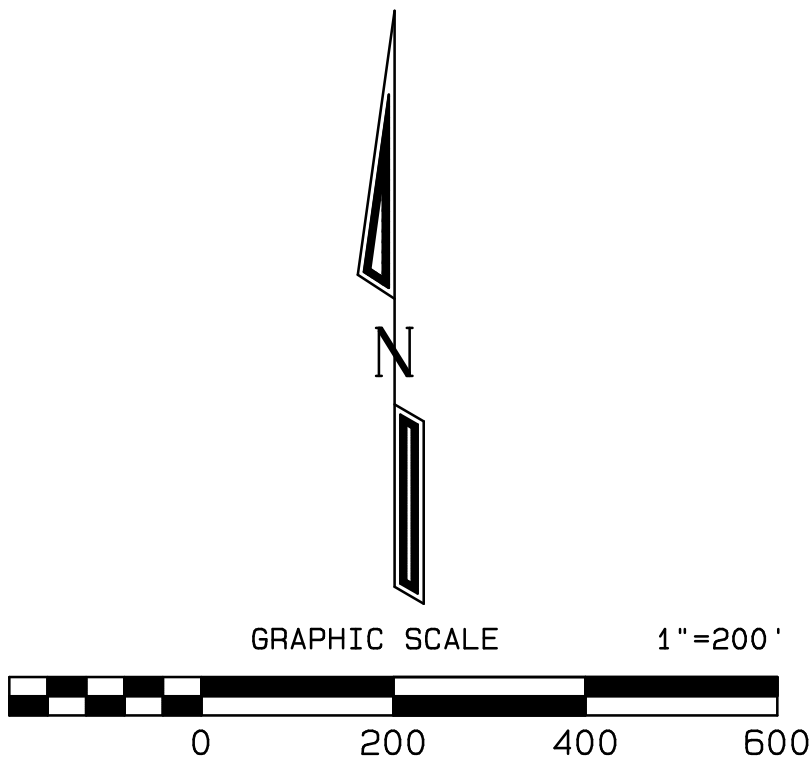
Attachments:

- 90 Day Initial Liner Test Results Summary
- Allowable Groundwater Inflow Calculation
- Daily Observations during 90 Day Initial Liner Test
- Topographic Map of As-Built Reservoir
- Reservoir Volume and Precipitation Chart during 90 day Initial Liner Test
- Monthly Evaporation Percentages for Water Accounting
- Reservoir Stage Volume and Surface Area Table
- Reservoir Stage – Volume Chart
- Reservoir Stage – Surface Area Chart
- State Engineer Guidelines for Lining Criteria for Gravel Pits August 1999

HEINTZELMAN PIT 116 TOPOGRAPHIC SURVEY

Part of the Northeast 1/4 of Section 32,
Township 3 North, Range 67 West of the 6th P.M.,
Town of Firestone, County of Weld, State of Colorado

Sheet 1 of 1



LEGEND

- = FOUND 5/8" REBAR WITH RED PLASTIC CAP, PLS 37971
- = PROPERTY BOUNDARY

NOTES

- 1) ELEVATIONS SHOWN HEREON ARE BASED UPON STATIC GPS OBSERVATIONS POST PROCESSED THROUGH THE NATIONAL GEODETIC SURVEY'S ONLINE POSITIONING USER SERVICE (OPUS) AND ARE REPORTED IN NAVD 88 (GEOID 18)
- 2) CONTOURS SHOWN HEREON ARE BASED UPON AERIAL MAPPING PROVIDED BY PRECISION AEROWORKS AND ARE SHOWN AT ONE-FOOT INTERVALS



PO Box 129, Brighton, CO 80601 * P:303-659-1532 F:303-655-0575 * amwestls.com
SCALE 1" = 200' DRAWN BY: CDH CHECKED BY: MJH DATE: OCT 24, 2022
REVISIONS:
JOB NO: 22-144

90 DAY INITIAL LINER TEST RESULTS SUMMARY
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Start Date	16-Jun-22
<u>End Date</u>	<u>13-Sep-22</u>
Number of Days	90 days
Volume of Water in Pit at Start Date	0.03 acre feet
<u>Volume of Water in Pit at End Date</u>	<u>0.17 acre feet</u>
Net Change In Volume	0.14 acre feet
Cummulative Diverted Water at Start Date	0.00 acre feet
<u>Cummulative Diverted Water at End Date</u>	<u>0.00 acre feet</u>
Total Diverted Water from Start Date to End Date	0.00 acre feet
Cummulative Precipitation at Start Date	0.00 acre feet
<u>Cummulative Precipitation at End Date</u>	<u>2.57 acre feet</u>
Total Precipitation from Start Date to End Date	2.57 acre feet
Cummulative Evaporation at Start Date	0.01 acre feet
<u>Cummulative Evaporation at End Date</u>	<u>0.55 acre feet</u>
Total Evaporation from Start Date to End Date	0.54 acre feet
Cummulative Pumped out at Start Date	0.00 acre feet
<u>Cummulative Pumped out at End Date</u>	<u>0.00 acre feet</u>
Total Pumped out from Start Date to End Date	0.00 acre feet
Net Inflow (Total Inflows less Total Outflows)	2.03 acre feet
Calculated Groundwater Inflow (Net Volume Change less Net Inflow)	-1.89 acre feet
Allowable Groundwater Inflow	
Design Standard Groundwater Inflow	29.49 acre feet
Performance Standard Groundwater Inflow	88.47 acre feet

ALLOWABLE GROUNDWATER INFLOW CALCULATION

DOUBLE JACK'S VARRA RESERVOIR

WELD COUNTY, COLORADO

<u>Pit Dimensions</u>	<u>Value</u>
Length of the perimeter clay liner constructed to full height.	8,250 feet
Average vertical depth of the perimeter clay liner as measured from the ground surface to the top of bedrock.	41 feet
Area of the natural bedrock bounded by the perimeter clay liner constructed to full height.	2,750,000 square feet

Groundwater Inflow through Perimeter Clay Liner

<u>Design</u>		<u>Performance</u>		
q (cu.ft./day/sq.ft)	0.03	q (cu.ft./day/sq.ft)	0.09	q=flow rate per unit area
Area (sq.ft.)	338,250	Area (sq.ft.)	338,250	Area=total vertical area of clay liner
Q (cu.ft./day)	10,148	Q (cu.ft./day)	30,443	Q=total flow rate

Groundwater Inflow through Natural Bedrock Pit Bottom

<u>Design</u>		<u>Performance</u>		
q (cu.ft./day/sq.ft)	0.0015	q (cu.ft./day/sq.ft)	0.0045	q=flow rate per unit area
Area (sq.ft.)	2,750,000	Area (sq.ft.)	2,750,000	Area=total area of pit bottom
Q (cu.ft./day)	4,125	Q (cu.ft./day)	12,375	Q=total flow rate

Total Allowable Groundwater Inflow**Design Standard Flow**

14,273 cubic feet per day
0.33 Acre-Feet in 1 day
29.49 Acre-Feet in 90 days

Performance Standard Flow

42,818 cubic feet per day
0.98 Acre-Feet in 1 day
88.47 Acre-Feet in 90 days

MONTHLY EVAPORATION PERCENTAGES FOR WATER ACCOUNTING
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Month	Percent of Total Evaporation	Monthly Evaporation (CF/SF)	Daily Evaporation (CF/SF)
January	3.0%	0.11	0.0034
February	3.5%	0.12	0.0044
March	5.5%	0.19	0.0062
April	9.0%	0.32	0.0105
May	12.0%	0.42	0.0135
June	14.5%	0.51	0.0169
July	15.0%	0.53	0.0169
August	13.5%	0.47	0.0152
September	10.0%	0.35	0.0117
October	7.0%	0.25	0.0079
November	4.0%	0.14	0.0047
December	3.0%	0.11	0.0034
100.0%		3.50	
42 Annual Free Water Surface Evaporation (Shallow Lake) (inches)			
3.50 Annual Free Water Surface Evaporation (Shallow Lake) (feet)			

Jay Davenport, P.E.

11/4/22

/Users/jaydavenport/Library/Mobile Documents/com~apple~CloudDocs/varra/Double Jack's Varra Reservoir/Initial Liner Test/[90 Day Initial Liner Test.xlsx]Initial Liner Test

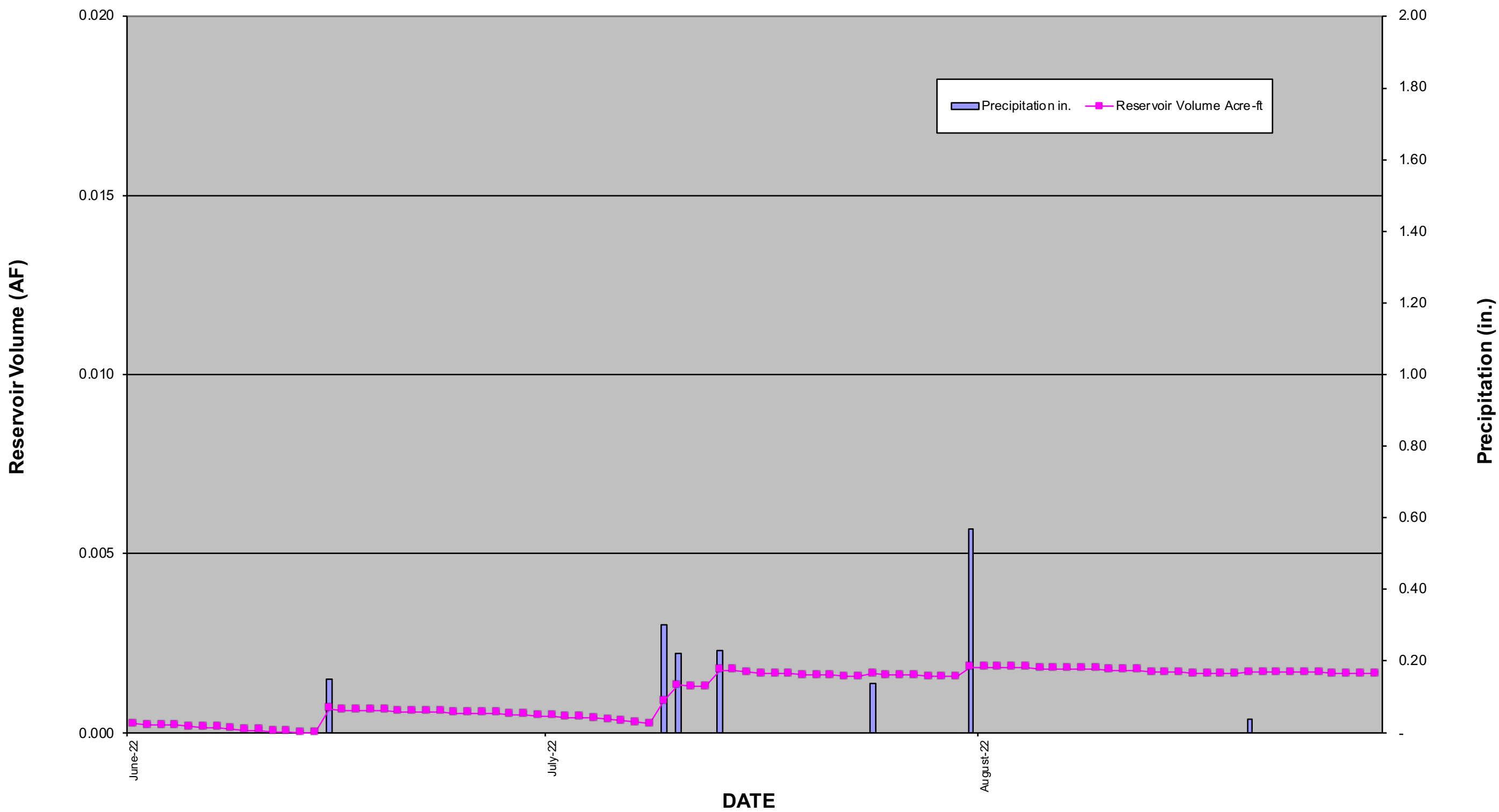
DAILY OBSERVATIONS DURING 90 DAY INITIAL LINER TEST
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Date	WEATHER DATA			RESERVOIR DATA					INFLOW VOLUMES					OUTFLOW VOLUMES				
	Precipitation	Precipitation	Evaporation	Measured Depth to Water Surface	Reservoir Water Surface Elevation	Reservoir Water Surface Area	Reservoir Volume	Reservoir Volume	Diverted Water Into Pit	Cumulative Diverted Water	Direct Precipitation	Indirect Effective Precipitation	Cumulative Precipitation	Totalizer Reading	Water Pumped Out	Cumulative Water Pumped Out	Evaporation from Water Surface	Cumulative Evaporation
	in.	ft	ft	ft	ft	SF	CF	Acre-ft	CF	CF	CF	CF	CF	AF	CF	CF	CF	CF
16-Jun-22	-	-	0.0169	56.32	4,746.03	16,089	1,114	0.03	-	-	-	-	-	-	-	-	272	272
17-Jun-22	-	-	0.0169	56.33	4,746.02	16,040	954	0.02	-	-	-	-	-	-	-	-	271	544
18-Jun-22	-	-	0.0169	56.33	4,746.02	16,040	954	0.02	-	-	-	-	-	-	-	-	271	815
19-Jun-22	-	-	0.0169	56.33	4,746.02	16,040	954	0.02	-	-	-	-	-	-	-	-	271	1,086
20-Jun-22	-	-	0.0169	56.34	4,746.01	15,991	793	0.02	-	-	-	-	-	-	-	-	271	1,357
21-Jun-22	-	-	0.0169	56.35	4,746.00	15,942	634	0.01	-	-	-	-	-	-	-	-	270	1,626
22-Jun-22	-	-	0.0169	56.35	4,746.00	15,942	634	0.01	-	-	-	-	-	-	-	-	270	1,896
23-Jun-22	-	-	0.0169	56.36	4,745.99	15,893	475	0.01	-	-	-	-	-	-	-	-	269	2,165
24-Jun-22	-	-	0.0169	56.37	4,745.98	15,844	316	0.01	-	-	-	-	-	-	-	-	268	2,433
25-Jun-22	-	-	0.0169	56.37	4,745.98	15,844	316	0.01	-	-	-	-	-	-	-	-	268	2,701
26-Jun-22	-	-	0.0169	56.38	4,745.97	15,795	158	0.00	-	-	-	-	-	-	-	-	267	2,968
27-Jun-22	-	-	0.0169	56.38	4,745.97	15,795	158	0.00	-	-	-	-	-	-	-	-	267	3,235
28-Jun-22	-	-	0.0169	56.39	4,745.96	15,746	-	-	-	-	-	-	-	-	-	-	266	3,502
29-Jun-22	-	-	0.0169	56.39	4,745.96	15,746	-	-	-	-	-	-	-	-	-	-	266	3,768
30-Jun-22	0.15	0.013	0.0169	56.21	4,746.14	16,629	2,914	0.07	-	-	208	9,966	10,173	-	-	-	281	4,049
01-Jul-22	-	-	0.0169	56.22	4,746.13	16,580	2,748	0.06	-	-	-	-	10,173	-	-	-	281	4,330
02-Jul-22	-	-	0.0169	56.22	4,746.13	16,580	2,748	0.06	-	-	-	-	10,173	-	-	-	281	4,611
03-Jul-22	-	-	0.0169	56.22	4,746.13	16,580	2,748	0.06	-	-	-	-	10,173	-	-	-	281	4,892
04-Jul-22	-	-	0.0169	56.22	4,746.13	16,580	2,748	0.06	-	-	-	-	10,173	-	-	-	281	5,173
05-Jul-22	-	-	0.0169	56.23	4,746.12	16,531	2,582	0.06	-	-	-	-	10,173	-	-	-	280	5,453
06-Jul-22	-	-	0.0169	56.23	4,746.12	16,531	2,582	0.06	-	-	-	-	10,173	-	-	-	280	5,733
07-Jul-22	-	-	0.0169	56.23	4,746.12	16,531	2,582	0.06	-	-	-	-	10,173	-	-	-	280	6,012
08-Jul-22	-	-	0.0169	56.23	4,746.12	16,531	2,582	0.06	-	-	-	-	10,173	-	-	-	280	6,292
09-Jul-22	-	-	0.0169	56.24	4,746.11	16,481	2,417	0.06	-	-	-	-	10,173	-	-	-	279	6,572
10-Jul-22	-	-	0.0169	56.24	4,746.11	16,481	2,417	0.06	-	-	-	-	10,173	-	-	-	279	6,851
11-Jul-22	-	-	0.0169	56.24	4,746.11	16,481	2,417	0.06	-	-	-	-	10,173	-	-	-	279	7,130
12-Jul-22	-	-	0.0169	56.24	4,746.11	16,481	2,417	0.06	-	-	-	-	10,173	-	-	-	279	7,409
13-Jul-22	-	-	0.0169	56.25	4,746.10	16,432	2,252	0.05	-	-	-	-	10,173	-	-	-	278	7,687
14-Jul-22	-	-	0.0169	56.25	4,746.10	16,432	2,252	0.05	-	-	-	-	10,173	-	-	-	278	7,965
15-Jul-22	-	-	0.0169	56.26	4,746.09	16,383	2,088	0.05	-	-	-	-	10,173	-	-	-	277	8,243
16-Jul-22	-	-	0.0169	56.26	4,746.09	16,383	2,088	0.05	-	-	-	-	10,173	-	-	-	277	8,520
17-Jul-22	-	-	0.0169	56.27	4,746.08	16,334	1,925	0.04	-	-	-	-	10,173	-	-	-	277	8,797
18-Jul-22	-	-	0.0169	56.27	4,746.08	16,334	1,925	0.04	-	-	-	-	10,173	-	-	-	277	9,074
19-Jul-22	-	-	0.0169	56.28	4,746.07	16,285	1,762	0.04	-	-	-	-	10,173	-	-	-	276	9,349
20-Jul-22	-	-	0.0169	56.29	4,746.06	16,236	1,599	0.04	-	-	-	-	10,173	-	-	-	275	9,624
21-Jul-22	-	-	0.0169	56.30	4,746.05	16,187	1,437	0.03	-	-	-	-	10,173	-	-	-	274	9,899
22-Jul-22	-	-	0.0169	56.31	4,746.04	16,138	1,275	0.03	-	-	-	-	10,173	-	-	-	273	10,172
23-Jul-22	-	-	0.0169	56.32	4,746.03	16,089	1,114	0.03	-	-	-	-	10,173	-	-	-	272	10,444
24-Jul-22	0.30	0.025	0.0169	56.15	4,746.20	16,924	3,920	0.09	-	-	423	19,929	30,526	-	-	-	287	10,731
25-Jul-22	0.22	0.018	0.0169	56.04	4,746.31	17,467	5,812	0.13	-	-	320	14,612	45,457	-	-	-	296	11,027
26-Jul-22	-	-	0.0169	56.05	4,746.30	17,418	5,637	0.13	-	-	-	-	45,457	-	-	-	295	11,322
27-Jul-22	-	-	0.0169	56.05	4,746.30	17,418	5,637	0.13	-	-	-	-	45,457	-	-	-	295	11,617
28-Jul-22	0.23	0.019	0.0169	55.94	4,746.41	17,962	7,583	0.17	-	-	344	15,273	61,075	-	-	-	304	11,921
29-Jul-22	-	-	0.0169	55.94	4,746.41	17,962	7,583	0.17	-	-	-	-	61,075	-	-	-	304	12,225
30-Jul-22	-	-	0.0169	55.95	4,746.40	17,913	7,404	0.17	-	-	-	-	61,075	-	-	-	303	12,528
31-Jul-22	-	-	0.0169	55.96	4,746.39	17,863	7,225	0.17	-	-	-	-	61,075	-	-	-	303	12,831

DAILY OBSERVATIONS DURING 90 DAY INITIAL LINER TEST
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Date	WEATHER DATA			RESERVOIR DATA					INFLOW VOLUMES					OUTFLOW VOLUMES				
	Precipitation	Precipitation	Evaporation	Measured Depth to Water Surface	Reservoir Water Surface Elevation	Reservoir Water Surface Area	Reservoir Volume	Reservoir Volume	Diverted Water Into Pit	Cumulative Diverted Water	Direct Precipitation	Indirect Effective Precipitation	Cumulative Precipitation	Totalizer Reading	Water Pumped Out	Cumulative Water Pumped Out	Evaporation from Water Surface	Cumulative Evaporation
	in.	ft	ft	ft	ft	SF	CF	Acre-ft	CF	CF	CF	CF	CF	AF	CF	CF	CF	CF
01-Aug-22	-	-	0.0152	55.96	4,746.39	17,863	7,225	0.17	-	-	-	-	61,075	-	-	-	272	13,103
02-Aug-22	-	-	0.0152	55.96	4,746.39	17,863	7,225	0.17	-	-	-	-	61,075	-	-	-	272	13,376
03-Aug-22	-	-	0.0152	55.97	4,746.38	17,814	7,047	0.16	-	-	-	-	61,075	-	-	-	272	13,647
04-Aug-22	-	-	0.0152	55.97	4,746.38	17,814	7,047	0.16	-	-	-	-	61,075	-	-	-	272	13,919
05-Aug-22	-	-	0.0152	55.97	4,746.38	17,814	7,047	0.16	-	-	-	-	61,075	-	-	-	272	14,190
06-Aug-22	-	-	0.0152	55.98	4,746.37	17,764	6,869	0.16	-	-	-	-	61,075	-	-	-	271	14,461
07-Aug-22	-	-	0.0152	55.98	4,746.37	17,764	6,869	0.16	-	-	-	-	61,075	-	-	-	271	14,732
08-Aug-22	0.14	0.012	0.0152	55.96	4,746.39	17,863	7,225	0.17	-	-	208	9,297	70,580	-	-	-	272	15,004
09-Aug-22	-	-	0.0152	55.97	4,746.38	17,814	7,047	0.16	-	-	-	-	70,580	-	-	-	272	15,275
10-Aug-22	-	-	0.0152	55.97	4,746.38	17,814	7,047	0.16	-	-	-	-	70,580	-	-	-	272	15,547
11-Aug-22	-	-	0.0152	55.97	4,746.38	17,814	7,047	0.16	-	-	-	-	70,580	-	-	-	272	15,818
12-Aug-22	-	-	0.0152	55.98	4,746.37	17,764	6,869	0.16	-	-	-	-	70,580	-	-	-	271	16,089
13-Aug-22	-	-	0.0152	55.98	4,746.37	17,764	6,869	0.16	-	-	-	-	70,580	-	-	-	271	16,360
14-Aug-22	-	-	0.0152	55.98	4,746.37	17,764	6,869	0.16	-	-	-	-	70,580	-	-	-	271	16,631
15-Aug-22	0.57	0.048	0.0152	55.92	4,746.43	18,062	7,943	0.18	-	-	858	37,849	109,287	-	-	-	275	16,906
16-Aug-22	-	-	0.0152	55.92	4,746.43	18,062	7,943	0.18	-	-	-	-	109,287	-	-	-	275	17,181
17-Aug-22	-	-	0.0152	55.92	4,746.43	18,062	7,943	0.18	-	-	-	-	109,287	-	-	-	275	17,457
18-Aug-22	-	-	0.0152	55.92	4,746.43	18,062	7,943	0.18	-	-	-	-	109,287	-	-	-	275	17,732
19-Aug-22	-	-	0.0152	55.92	4,746.43	18,062	7,943	0.18	-	-	-	-	109,287	-	-	-	275	18,007
20-Aug-22	-	-	0.0152	55.93	4,746.42	18,012	7,763	0.18	-	-	-	-	109,287	-	-	-	275	18,282
21-Aug-22	-	-	0.0152	55.93	4,746.42	18,012	7,763	0.18	-	-	-	-	109,287	-	-	-	275	18,556
22-Aug-22	-	-	0.0152	55.93	4,746.42	18,012	7,763	0.18	-	-	-	-	109,287	-	-	-	275	18,831
23-Aug-22	-	-	0.0152	55.93	4,746.42	18,012	7,763	0.18	-	-	-	-	109,287	-	-	-	275	19,105
24-Aug-22	-	-	0.0152	55.93	4,746.42	18,012	7,763	0.18	-	-	-	-	109,287	-	-	-	275	19,380
25-Aug-22	-	-	0.0152	55.94	4,746.41	17,962	7,583	0.17	-	-	-	-	109,287	-	-	-	274	19,654
26-Aug-22	-	-	0.0152	55.94	4,746.41	17,962	7,583	0.17	-	-	-	-	109,287	-	-	-	274	19,927
27-Aug-22	-	-	0.0152	55.94	4,746.41	17,962	7,583	0.17	-	-	-	-	109,287	-	-	-	274	20,201
28-Aug-22	-	-	0.0152	55.95	4,746.40	17,913	7,404	0.17	-	-	-	-	109,287	-	-	-	273	20,474
29-Aug-22	-	-	0.0152	55.95	4,746.40	17,913	7,404	0.17	-	-	-	-	109,287	-	-	-	273	20,747
30-Aug-22	-	-	0.0152	55.95	4,746.40	17,913	7,404	0.17	-	-	-	-	109,287	-	-	-	273	21,020
31-Aug-22	-	-	0.0152	55.96	4,746.39	17,863	7,225	0.17	-	-	-	-	109,287	-	-	-	272	21,293
01-Sep-22	-	-	0.0117	55.96	4,746.39	17,863	7,225	0.17	-	-	-	-	109,287	-	-	-	208	21,501
02-Sep-22	-	-	0.0117	55.96	4,746.39	17,863	7,225	0.17	-	-	-	-	109,287	-	-	-	208	21,709
03-Sep-22	-	-	0.0117	55.96	4,746.39	17,863	7,225	0.17	-	-	-	-	109,287	-	-	-	208	21,918
04-Sep-22	0.04	0.003	0.0117	55.95	4,746.40	17,913	7,404	0.17	-	-	60	2,656	112,003	-	-	-	209	22,127
05-Sep-22	-	-	0.0117	55.95	4,746.40	17,913	7,404	0.17	-	-	-	-	112,003	-	-	-	209	22,336
06-Sep-22	-	-	0.0117	55.95	4,746.40	17,913	7,404	0.17	-	-	-	-	112,003	-	-	-	209	22,545
07-Sep-22	-	-	0.0117	55.95	4,746.40	17,913	7,404	0.17	-	-	-	-	112,003	-	-	-	209	22,754
08-Sep-22	-	-	0.0117	55.95	4,746.40	17,913	7,404	0.17	-	-	-	-	112,003	-	-	-	209	22,963
09-Sep-22	-	-	0.0117	55.95	4,746.40	17,913	7,404	0.17	-	-	-	-	112,003	-	-	-	209	23,172
10-Sep-22	-	-	0.0117	55.96	4,746.39	17,863	7,225	0.17	-	-	-	-	112,003	-	-	-	208	23,380
11-Sep-22	-	-	0.0117	55.96	4,746.39	17,863	7,225	0.17	-	-	-	-	112,003	-	-	-	208	23,588
12-Sep-22	-	-	0.0117	55.96	4,746.39	17,863	7,225	0.17	-	-	-	-	112,003	-	-	-	208	23,797
13-Sep-22	-	-	0.0117	55.96	4,746.39	17,863	7,225	0.17	-	-	-	-	112,003	-	-	-	208	24,005
TOTALS	1.65	0.14							0.00		2,422	109,581			-		24,005	

Reservoir Volume and Precipitation During 90-Day Initial Liner Test



STATE ENGINEER GUIDELINES FOR LINING CRITERIA FOR GRAVEL PITS AUGUST 1999

1.0 Design Standard

The intent of the reservoir lining design is to achieve ground water inflow (leakage rate) into the reservoir that is not greater than $0.03 \text{ ft}^3/\text{day}/\text{ft}^2$ ($1 \times 10^{-5} \text{ cm}^3/\text{cm}^2/\text{sec}$) multiplied by the length of the perimeter wall in feet multiplied by the average vertical depth of the perimeter wall as measured from the ground surface to the pit bottom along the toe of the pit side slope, plus $0.0015 \text{ ft}^3/\text{day}/\text{ft}^2$ ($5 \times 10^{-7} \text{ cm}^3/\text{cm}^2/\text{sec}$) multiplied by the area of the bottom of the liner system or natural bedrock bounded by the perimeter wall. Appropriate geotechnical evaluations and analyses should be performed to indicate that the Design Standard could be achieved with the proposed design to a reasonable probability. It is recommended that the applicant submit design and construction plans for review to the State Engineer.

2.0 Construction Standards

The applicant must demonstrate that the constructed liner meets the requirements of the design by performing appropriate quality control observations and tests. The applicant shall provide written documentation of the work performed and results of quality control field and laboratory tests. Tests performed shall meet or exceed the standards established by the American Petroleum Institute (API) and/or the American Society of Testing and Materials (ASTM) as applicable.

3.0 Performance Standards

The Performance Standard shall be three times the Design Standard as described above. The Performance Standard shall be applied to an initial test of competency of the liner, as well as to the ongoing operation of the reservoir.

3.1 Initial Liner Test

- | | |
|-------------------|--|
| For mined pits: | The unregulated ground water inflow to the reservoir will be tested by evacuating the contents of the reservoir and observing the inflow of water over a period of ninety days. The start of the test will be under essentially dry conditions. |
| For unmined pits: | The unregulated ground water inflow to the reservoir will be evaluated by constructing a dewatering sump at the lowest portion of the pit and then dewatering until a steady-state condition is achieved. Once a steady-state condition exists, the amount of the unregulated ground water inflow will be determined. This process will generally require the installation of piezometers to be located on the inside and outside of the lined pit in the unmined area in order to determine whether a steady-state condition has been achieved. |

A water balance must be done to demonstrate that the balance of the inflows (e.g., precipitation and ground water) and outflows (e.g., evaporation) equals the change in storage volume by a minimum of a 90-day test. Ongoing monitoring of the water balance may also be required as determined by the Division Engineer. The frequency of accounting and monitoring as well as the type and accuracy of the monitoring devices shall be determined after consultation with the Division Engineer.

The applicant shall demonstrate that during a 90-day test period the unregulated ground water inflow to the pit does not exceed the Performance Standard. Demonstration of inflows less than the Performance Standard shall be sufficient cause for a determination that the applicant has constructed a lined reservoir and is entitled to store water. If the unregulated ground water inflow to the reservoir exceeds the Performance Standard, the State Engineer shall require the reservoir to be dewatered until satisfactory changes have been made to the liner to conduct another initial liner test.

4.0 Water Budget Accounting

Monthly accounting shall be required as long as the liner continues to meet the Design Standard. Weekly accounting (or more frequent if required by the Division Engineer) shall be required for liners which do not meet the Design Standard but continue to meet the Performance Standard. Evidence of compliance with the standards shall be established through a mass balance analysis accounting for inflows, outflows, and change in storage.

If the State or Division Engineer determines that the ground water inflow (leakage rate) into the reservoir is greater than the Performance Standard, the applicant shall be required to calculate the inflow to or outflow from the reservoir by means of a mass-balance analysis on a 48-hour basis, and return to the stream system such inflows to the pit within 48 hours, without such water being used by applicant in any manner. This 48-hour accounting shall only be for the entire period specified under the Liner Failure During Operation Section (see below) and shall not be done permanently.

5.0 Liner Failure During Operation

In the event that the average daily unregulated ground water inflow to the reservoir exceeds the Performance Standard for two consecutive months, as evidenced by accounting (see above), the applicant or their successor and the State Engineer's Office shall begin to consult regarding the probable cause of the unregulated ground water inflow, and the appropriate actions to be taken in response thereto. If the State or Division Engineer and the applicant cannot reach an agreement on the appropriate actions to reduce the unregulated ground water inflow to less than the Performance Standard within nine months of the beginning of the consultations, the State or Division Engineer shall provide written notice to the applicant of their determination to correct this problem. The 48-hour accounting shall begin following the two consecutive months that the Performance Standard is exceeded and shall continue until the applicant has demonstrated that the Performance Standard has been met. Applicant shall have two (2) years from the date of such written notice of liner failure to repair the liner to an inflow less than the Performance Standard. If satisfactory repairs are not completed within the two year period, no new water shall be stored in the reservoir until either: 1) the repair is made; 2) the issue is decided by the Water Court under retained jurisdiction, or; 3) the State Engineer's Office otherwise grants permission for storage to continue. The State or Division Engineer may declare the reservoir a well requiring a well permit.

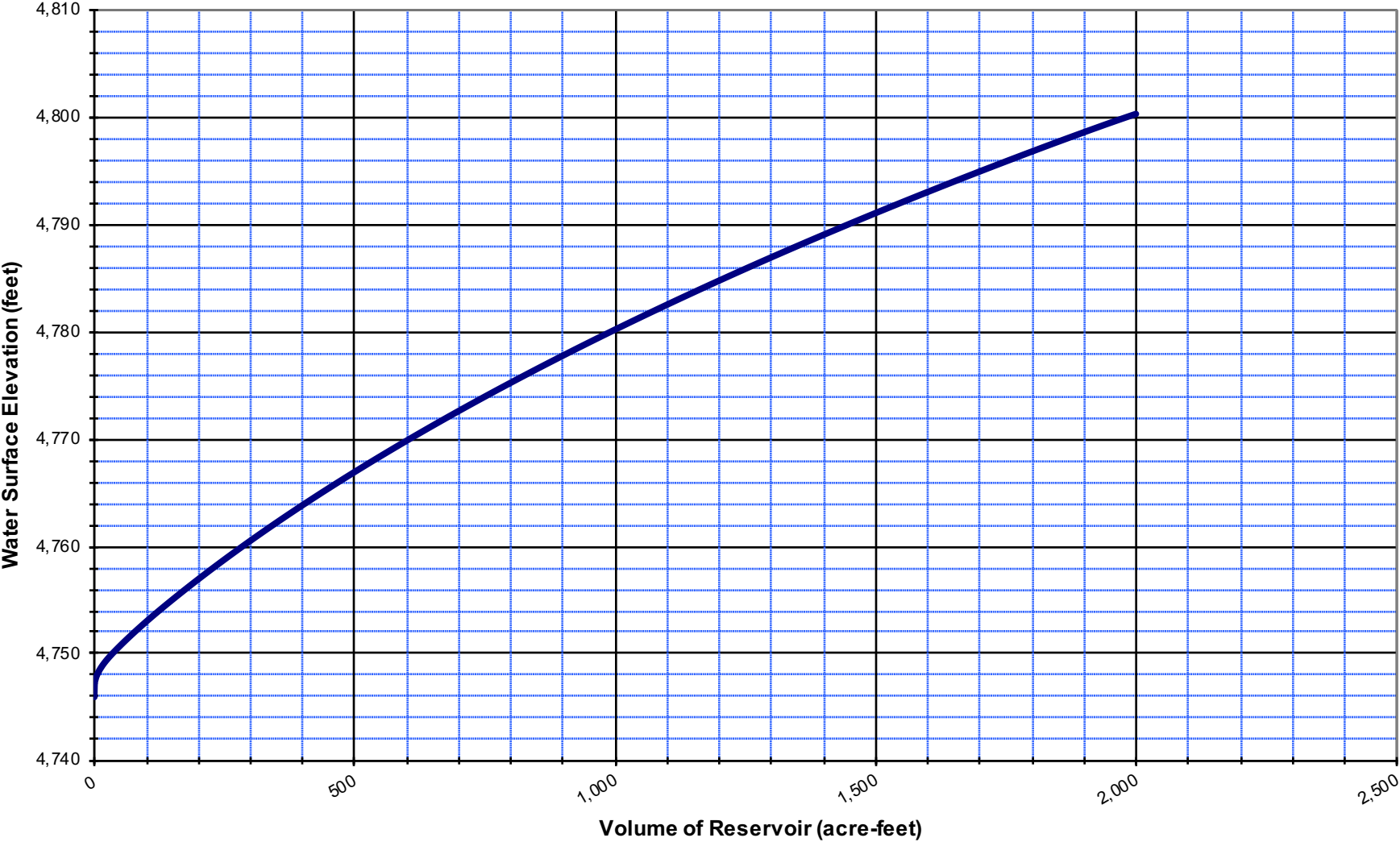
6.0 Legal Storage of Water

Water shall not be impounded in the reservoir except pursuant to lawful diversions allowed by statute or decree. At all other times, all inflow of water into the reservoir from any source, including precipitation and ground water inflows shall be removed by the applicant. The water can be removed by draining, pumping, or other means, and released to the stream system, without use by the applicant in any manner. The applicant shall install the necessary measuring devices, including but not limited to, staff gauges in the reservoir and account on a monthly basis (or more frequently if required) for inflow and outflow, evaporation, precipitation, change in storage and any seepage. Prior to making any storage right absolute, the applicant shall develop and submit to the Division Engineer graphs showing height-storage relationships. Under no circumstance may the applicant withdraw more water from the reservoir than the measured inflow with appropriate evaporation and seepage losses being deducted.

7.0 Retained Jurisdiction

The Water Court shall retain jurisdiction to address injury to water rights caused by failure of the liner that results in ground water inflow exceeding the Performance Standard. Upon a prima facie showing by the State or Division Engineer or the party invoking the retained jurisdiction that such exceedence of the Performance Standard is occurring, and that reasonable efforts to correct the problem have been unsuccessful, and that injury to water rights is being caused thereby, the Water Court will proceed to hear evidence regarding the additional terms and conditions, or limitations and restrictions, that should be imposed upon the operation of the pit.

Water Storage Volume
Double Jack's Varra Reservoir



Water Surface Area Double Jack's Varra Reservoir

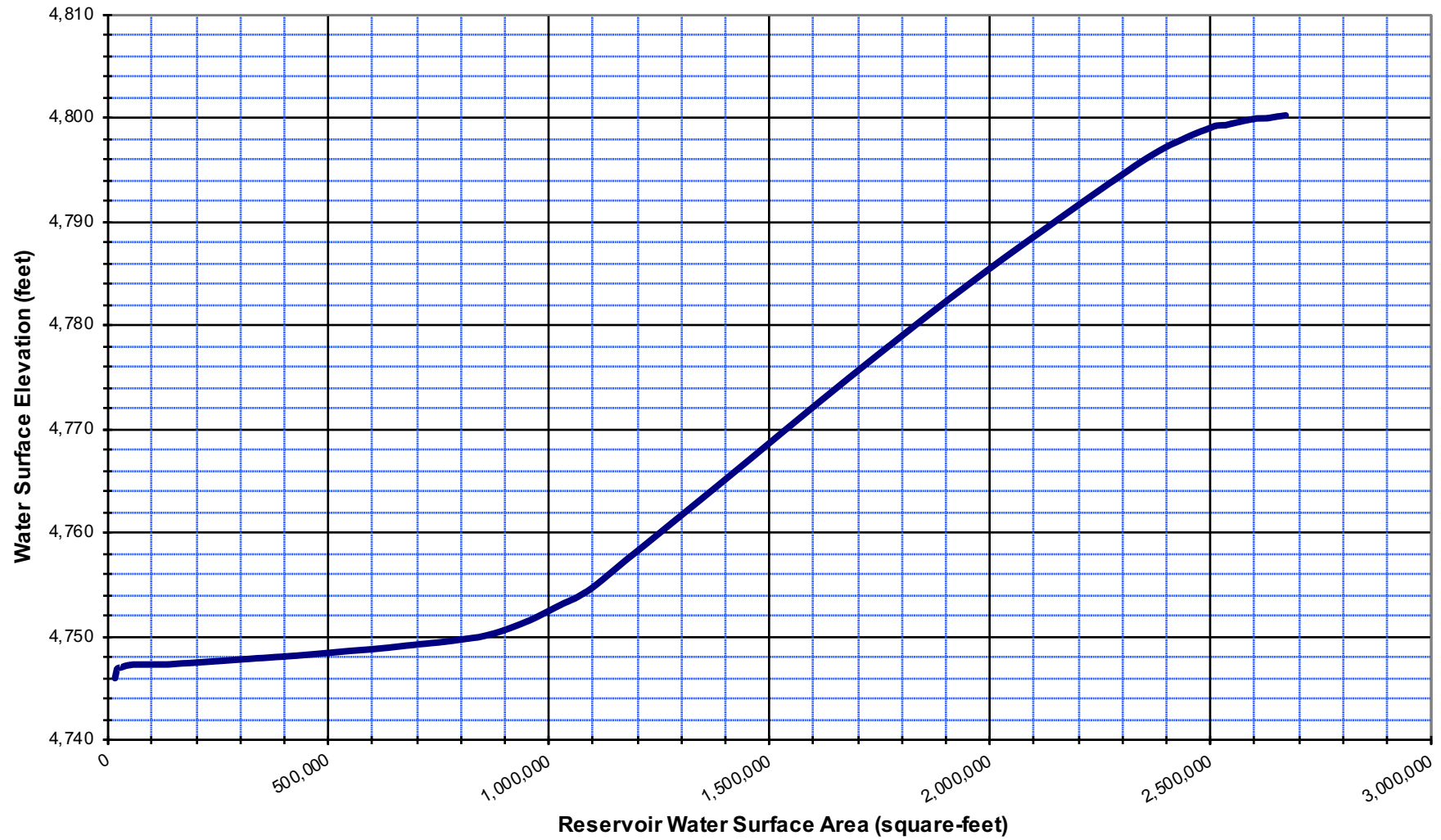


TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4745.96	15746.30	0.00	0.00
4745.97	15795.20	157.71	0.00
4745.98	15844.12	315.90	0.01
4745.99	15893.06	474.59	0.01
4746.00	15942.01	633.77	0.01
4746.01	15990.97	793.43	0.02
4746.02	16039.95	953.58	0.02
4746.03	16088.95	1114.23	0.03
4746.04	16137.96	1275.36	0.03
4746.05	16186.99	1436.99	0.03
4746.06	16236.03	1599.10	0.04
4746.07	16285.09	1761.71	0.04
4746.08	16334.16	1924.80	0.04
4746.09	16383.25	2088.39	0.05
4746.10	16432.36	2252.47	0.05
4746.11	16481.48	2417.04	0.06
4746.12	16530.61	2582.10	0.06
4746.13	16579.76	2747.65	0.06
4746.14	16628.93	2913.69	0.07
4746.15	16678.11	3080.23	0.07
4746.16	16727.31	3247.26	0.07
4746.17	16776.52	3414.78	0.08
4746.18	16825.75	3582.79	0.08
4746.19	16875.00	3751.29	0.09
4746.20	16924.26	3920.29	0.09
4746.21	16973.53	4089.78	0.09
4746.22	17022.83	4259.76	0.10
4746.23	17072.13	4430.23	0.10
4746.24	17121.46	4601.20	0.11
4746.25	17170.79	4772.66	0.11
4746.26	17220.15	4944.62	0.11
4746.27	17269.52	5117.06	0.12
4746.28	17318.90	5290.01	0.12
4746.29	17368.30	5463.44	0.13
4746.30	17417.72	5637.37	0.13
4746.31	17467.15	5811.80	0.13
4746.32	17516.59	5986.72	0.14
4746.33	17566.06	6162.13	0.14
4746.34	17615.53	6338.04	0.15
4746.35	17665.03	6514.44	0.15
4746.36	17714.53	6691.34	0.15
4746.37	17764.06	6868.73	0.16
4746.38	17813.60	7046.62	0.16
4746.39	17863.15	7225.00	0.17
4746.40	17912.73	7403.88	0.17
4746.41	17962.31	7583.26	0.17

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4746.42	18011.91	7763.13	0.18
4746.43	18061.53	7943.49	0.18
4746.44	18111.16	8124.36	0.19
4746.45	18160.81	8305.72	0.19
4746.46	18210.48	8487.57	0.19
4746.47	18260.16	8669.93	0.20
4746.48	18309.85	8852.78	0.20
4746.49	18359.56	9036.12	0.21
4746.50	18409.29	9219.97	0.21
4746.51	18459.03	9404.31	0.22
4746.52	18508.79	9589.15	0.22
4746.53	18558.56	9774.49	0.22
4746.54	18608.35	9960.32	0.23
4746.55	18658.15	10146.65	0.23
4746.56	18707.97	10333.48	0.24
4746.57	18757.81	10520.81	0.24
4746.58	18807.66	10708.64	0.25
4746.59	18857.52	10896.96	0.25
4746.60	18907.40	11085.79	0.25
4746.61	18957.30	11275.11	0.26
4746.62	19007.21	11464.94	0.26
4746.63	19057.14	11655.26	0.27
4746.64	19107.09	11846.08	0.27
4746.65	19157.04	12037.40	0.28
4746.66	19207.02	12229.22	0.28
4746.67	19257.01	12421.54	0.29
4746.68	19307.02	12614.36	0.29
4746.69	19357.04	12807.68	0.29
4746.70	19407.07	13001.50	0.30
4746.71	19457.13	13195.82	0.30
4746.72	19507.19	13390.64	0.31
4746.73	19557.28	13585.96	0.31
4746.74	19607.38	13781.79	0.32
4746.75	19657.49	13978.11	0.32
4746.76	19707.62	14174.94	0.33
4746.77	19757.77	14372.26	0.33
4746.78	19809.50	14570.10	0.33
4746.79	19865.11	14768.47	0.34
4746.80	19922.23	14967.41	0.34
4746.81	19980.12	15166.92	0.35
4746.82	20038.79	15367.02	0.35
4746.83	20098.22	15567.70	0.36
4746.84	20158.42	15768.98	0.36
4746.85	20219.50	15970.87	0.37
4746.86	20282.05	16173.38	0.37
4746.87	20346.13	16376.52	0.38

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4746.88	20411.76	16580.31	0.38
4746.89	20478.92	16784.77	0.39
4746.90	20754.32	16990.93	0.39
4746.91	20881.93	17199.11	0.39
4746.92	21031.43	17408.68	0.40
4746.93	21202.85	17619.85	0.40
4746.94	21458.12	17833.15	0.41
4746.95	21688.05	18048.88	0.41
4746.96	21940.71	18267.02	0.42
4746.97	26863.83	18510.63	0.42
4746.98	27434.45	18782.12	0.43
4746.99	27996.52	19059.27	0.44
4747.00	28546.41	19341.98	0.44
4747.01	29086.93	19630.14	0.45
4747.02	31539.82	19933.19	0.46
4747.03	32190.25	20251.84	0.46
4747.04	32799.46	20576.78	0.47
4747.05	33401.46	20907.78	0.48
4747.06	33999.78	21244.78	0.49
4747.07	34594.42	21587.75	0.50
4747.08	35186.65	21936.65	0.50
4747.09	35777.35	22291.47	0.51
4747.10	36368.21	22652.19	0.52
4747.11	36962.81	23018.84	0.53
4747.12	37570.02	23391.50	0.54
4747.13	38194.06	23770.32	0.55
4747.14	38834.95	24155.46	0.55
4747.15	39684.27	24548.05	0.56
4747.16	40325.95	24948.09	0.57
4747.17	40956.68	25354.50	0.58
4747.18	42444.47	25771.49	0.59
4747.19	43206.27	26199.73	0.60
4747.20	43961.18	26635.57	0.61
4747.21	44710.55	27078.92	0.62
4747.22	50250.75	27553.46	0.63
4747.23	52491.20	28067.13	0.64
4747.24	53231.47	28595.73	0.66
4747.25	53985.02	29131.81	0.67
4747.26	54860.07	29676.03	0.68
4747.27	57111.42	30235.85	0.69
4747.28	136862.93	31177.13	0.72
4747.29	139692.15	32559.89	0.75
4747.30	142502.40	33970.84	0.78
4747.31	145317.39	35409.91	0.81
4747.32	148132.50	36877.14	0.85
4747.33	151157.14	38373.56	0.88

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4747.34	153993.26	39899.29	0.92
4747.35	156798.07	41453.23	0.95
4747.36	159611.38	43035.25	0.99
4747.37	163187.22	44649.21	1.03
4747.38	166963.64	46299.93	1.06
4747.39	169931.02	47984.38	1.10
4747.40	178353.97	49725.64	1.14
4747.41	181517.17	51524.97	1.18
4747.42	186510.90	53365.05	1.23
4747.43	189852.28	55246.85	1.27
4747.44	193397.53	57163.07	1.31
4747.45	196652.65	59113.30	1.36
4747.46	199831.40	61095.69	1.40
4747.47	203036.76	63110.01	1.45
4747.48	206257.39	65156.46	1.50
4747.49	209511.84	67235.29	1.54
4747.50	214057.01	69353.09	1.59
4747.51	217603.79	71511.37	1.64
4747.52	220946.01	73704.10	1.69
4747.53	224349.88	75930.56	1.74
4747.54	227603.25	78190.30	1.80
4747.55	230870.54	80482.65	1.85
4747.56	234151.04	82807.74	1.90
4747.57	237387.96	85165.42	1.96
4747.58	240643.44	87555.56	2.01
4747.59	243998.71	89978.75	2.07
4747.60	247976.15	92438.60	2.12
4747.61	251312.01	94935.02	2.18
4747.62	254598.77	97464.55	2.24
4747.63	258014.96	100027.60	2.30
4747.64	261177.80	102623.55	2.36
4747.65	264769.28	105253.27	2.42
4747.66	267891.44	107916.56	2.48
4747.67	271027.34	110611.13	2.54
4747.68	274155.77	113337.03	2.60
4747.69	277248.18	116094.04	2.67
4747.70	280760.71	118884.07	2.73
4747.71	283872.66	121707.22	2.79
4747.72	286981.68	124561.48	2.86
4747.73	290229.03	127447.51	2.93
4747.74	293469.76	130365.99	2.99
4747.75	296620.71	133316.43	3.06
4747.76	300115.40	136300.10	3.13
4747.77	303152.97	139316.42	3.20
4747.78	306227.28	142363.31	3.27
4747.79	309334.01	145441.11	3.34

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4747.80	313451.67	148555.01	3.41
4747.81	317532.54	151709.91	3.48
4747.82	320542.88	154900.28	3.56
4747.83	323567.26	158120.81	3.63
4747.84	326594.64	161371.61	3.70
4747.85	329515.60	164652.15	3.78
4747.86	332408.79	167961.76	3.86
4747.87	335278.69	171300.19	3.93
4747.88	338124.24	174667.20	4.01
4747.89	343938.33	178077.47	4.09
4747.90	349556.66	181544.90	4.17
4747.91	353283.54	185059.09	4.25
4747.92	356460.00	188607.79	4.33
4747.93	359591.56	192188.04	4.41
4747.94	362673.39	195799.36	4.49
4747.95	365826.35	199441.84	4.58
4747.96	368889.88	203115.41	4.66
4747.97	371961.50	206819.66	4.75
4747.98	375003.90	210554.48	4.83
4747.99	378000.73	214319.49	4.92
4748.00	381030.46	218114.63	5.01
4748.01	386812.13	221953.81	5.10
4748.02	390017.71	225837.95	5.18
4748.03	394921.24	229762.62	5.27
4748.04	398042.33	233727.43	5.37
4748.05	401129.54	237723.28	5.46
4748.06	404141.66	241749.62	5.55
4748.07	407114.65	245805.90	5.64
4748.08	410054.89	249891.73	5.74
4748.09	413730.62	254010.65	5.83
4748.10	416647.93	258162.53	5.93
4748.11	419535.15	262343.44	6.02
4748.12	422395.97	266553.09	6.12
4748.13	427373.37	270801.91	6.22
4748.14	430175.88	275089.65	6.32
4748.15	432971.47	279405.38	6.41
4748.16	435759.55	283749.02	6.51
4748.17	438526.17	288120.45	6.61
4748.18	441266.98	292519.40	6.72
4748.19	444020.70	296945.84	6.82
4748.20	447238.37	301402.12	6.92
4748.21	449930.66	305887.96	7.02
4748.22	452613.78	310400.68	7.13
4748.23	455291.74	314940.20	7.23
4748.24	457968.92	319506.49	7.33
4748.25	460644.53	324099.55	7.44

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RESERVIOR SURFACE AREA AND VOLUME
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WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4748.26	463306.13	328719.30	7.55
4748.27	465950.37	333365.58	7.65
4748.28	468580.08	338038.22	7.76
4748.29	471528.72	342738.76	7.87
4748.30	474043.37	347466.61	7.98
4748.31	476857.28	352221.11	8.09
4748.32	479340.97	357002.10	8.20
4748.33	481831.52	361807.95	8.31
4748.34	484504.25	366639.63	8.42
4748.35	487026.31	371497.27	8.53
4748.36	489528.82	376380.04	8.64
4748.37	492036.04	381287.86	8.75
4748.38	494549.07	386220.78	8.87
4748.39	497066.84	391178.86	8.98
4748.40	499579.43	396162.08	9.09
4748.41	502084.63	401170.40	9.21
4748.42	505223.21	406206.93	9.33
4748.43	507791.06	411272.00	9.44
4748.44	510367.24	416362.78	9.56
4748.45	512900.00	421479.11	9.68
4748.46	515427.47	426620.74	9.79
4748.47	517964.58	431787.70	9.91
4748.48	520506.68	436980.05	10.03
4748.49	523050.82	442197.83	10.15
4748.50	525595.76	447441.06	10.27
4748.51	528141.58	452709.74	10.39
4748.52	530688.56	458003.89	10.51
4748.53	533237.19	463323.51	10.64
4748.54	535787.87	468668.63	10.76
4748.55	538347.76	474039.31	10.88
4748.56	540957.11	479435.82	11.01
4748.57	543596.67	484858.59	11.13
4748.58	546231.13	490307.72	11.26
4748.59	548866.92	495783.21	11.38
4748.60	552025.99	501287.66	11.51
4748.61	554732.31	506821.45	11.64
4748.62	558786.35	512389.03	11.76
4748.63	561340.69	517989.66	11.89
4748.64	564141.65	523617.07	12.02
4748.65	568137.90	529278.45	12.15
4748.66	570931.36	534973.79	12.28
4748.67	573790.46	540697.40	12.41
4748.68	576772.83	546450.21	12.54
4748.69	580424.60	552236.18	12.68
4748.70	583817.00	558057.38	12.81
4748.71	586696.33	563909.94	12.95

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Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4748.72	589464.22	569790.74	13.08
4748.73	592210.26	575699.11	13.22
4748.74	595375.77	581637.03	13.35
4748.75	597895.29	587603.38	13.49
4748.76	600356.49	593594.64	13.63
4748.77	603146.69	599612.15	13.77
4748.78	605648.76	605656.12	13.90
4748.79	608144.34	611725.08	14.04
4748.80	610624.01	617818.92	14.18
4748.81	613085.84	623937.46	14.32
4748.82	615534.74	630080.56	14.46
4748.83	617985.04	636248.16	14.61
4748.84	620436.18	642440.26	14.75
4748.85	622868.99	648656.78	14.89
4748.86	625231.05	654897.28	15.03
4748.87	627539.30	661161.13	15.18
4748.88	630261.10	667450.12	15.32
4748.89	633041.98	673766.63	15.47
4748.90	635330.09	680108.49	15.61
4748.91	637408.06	686472.18	15.76
4748.92	639483.64	692856.63	15.91
4748.93	641557.20	699261.84	16.05
4748.94	643628.70	705687.76	16.20
4748.95	645698.06	712134.39	16.35
4748.96	647766.15	718601.71	16.50
4748.97	649835.51	725089.72	16.65
4748.98	651922.55	731598.51	16.80
4748.99	654178.99	738129.01	16.95
4749.00	656206.30	744680.93	17.10
4749.01	658244.31	751253.18	17.25
4749.02	660272.64	757845.77	17.40
4749.03	662272.59	764458.49	17.55
4749.04	664242.72	771091.06	17.70
4749.05	666193.44	777743.24	17.85
4749.06	668148.07	784414.95	18.01
4749.07	670113.20	791106.25	18.16
4749.08	672093.66	797817.28	18.32
4749.09	674095.94	804548.23	18.47
4749.10	676125.48	811299.33	18.62
4749.11	678236.28	818071.14	18.78
4749.12	682182.90	824873.23	18.94
4749.13	684280.23	831705.54	19.09
4749.14	686426.19	838559.07	19.25
4749.15	689275.93	845437.57	19.41
4749.16	691372.08	852340.81	19.57
4749.17	694002.83	859267.68	19.73

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WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4749.18	695988.66	866217.64	19.89
4749.19	697930.20	873187.23	20.05
4749.20	699837.39	880176.06	20.21
4749.21	701990.88	887185.20	20.37
4749.22	703837.47	894214.34	20.53
4749.23	705838.08	901262.72	20.69
4749.24	707876.56	908331.29	20.85
4749.25	709917.82	915420.26	21.02
4749.26	711950.40	922529.60	21.18
4749.27	716836.22	929673.52	21.34
4749.28	718990.93	936852.65	21.51
4749.29	721144.62	944053.32	21.67
4749.30	724011.97	951279.10	21.84
4749.31	726096.39	958529.64	22.00
4749.32	728041.34	965800.33	22.17
4749.33	729912.66	973090.10	22.34
4749.34	731743.59	980398.38	22.51
4749.35	735124.57	987732.71	22.68
4749.36	737153.08	995094.10	22.84
4749.37	739164.50	1002475.68	23.01
4749.38	743461.08	1009888.80	23.18
4749.39	745617.70	1017334.19	23.35
4749.40	748465.73	1024804.60	23.53
4749.41	750448.92	1032299.17	23.70
4749.42	752444.11	1039813.64	23.87
4749.43	754439.69	1047348.05	24.04
4749.44	756428.79	1054902.39	24.22
4749.45	758389.36	1062476.48	24.39
4749.46	760614.24	1070071.50	24.57
4749.47	762481.46	1077686.97	24.74
4749.48	764356.84	1085321.16	24.92
4749.49	766237.59	1092974.13	25.09
4749.50	768123.35	1100645.94	25.27
4749.51	770016.82	1108336.64	25.44
4749.52	771915.40	1116046.29	25.62
4749.53	773781.80	1123774.78	25.80
4749.54	775605.70	1131521.71	25.98
4749.55	777428.28	1139286.88	26.15
4749.56	779085.43	1147069.45	26.33
4749.57	780746.87	1154868.61	26.51
4749.58	782413.46	1162684.41	26.69
4749.59	785356.49	1170523.26	26.87
4749.60	786820.63	1178384.14	27.05
4749.61	788282.72	1186259.66	27.23
4749.62	789742.68	1194149.78	27.41
4749.63	791201.70	1202054.50	27.60

TABLE I
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WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4749.64	792667.91	1209973.85	27.78
4749.65	794142.69	1217907.90	27.96
4749.66	797215.03	1225864.68	28.14
4749.67	798782.13	1233844.67	28.33
4749.68	800342.06	1241840.29	28.51
4749.69	801896.67	1249851.48	28.69
4749.70	803444.82	1257878.19	28.88
4749.71	804983.87	1265920.33	29.06
4749.72	806513.79	1273977.82	29.25
4749.73	808031.54	1282050.54	29.43
4749.74	809534.54	1290138.37	29.62
4749.75	811019.59	1298241.14	29.80
4749.76	812484.61	1306358.66	29.99
4749.77	815610.54	1314499.13	30.18
4749.78	817228.49	1322663.33	30.36
4749.79	818818.92	1330843.56	30.55
4749.80	820384.01	1339039.57	30.74
4749.81	821923.83	1347251.11	30.93
4749.82	823437.60	1355477.92	31.12
4749.83	824926.44	1363719.74	31.31
4749.84	826421.94	1371976.48	31.50
4749.85	828654.03	1380251.86	31.69
4749.86	830065.87	1388545.45	31.88
4749.87	831514.37	1396853.35	32.07
4749.88	832998.28	1405175.92	32.26
4749.89	837811.59	1413529.95	32.45
4749.90	838890.87	1421913.47	32.64
4749.91	839962.83	1430307.73	32.84
4749.92	841027.48	1438712.68	33.03
4749.93	842086.58	1447128.25	33.22
4749.94	843141.56	1455554.39	33.41
4749.95	844194.90	1463991.08	33.61
4749.96	845246.81	1472438.28	33.80
4749.97	846295.58	1480896.00	34.00
4749.98	847340.33	1489364.17	34.19
4749.99	848380.38	1497842.78	34.39
4750.00	849794.87	1506333.65	34.58
4750.01	850778.28	1514836.52	34.78
4750.02	851756.30	1523349.19	34.97
4750.03	852728.88	1531871.62	35.17
4750.04	853696.13	1540403.74	35.36
4750.05	854692.39	1548945.68	35.56
4750.06	855627.84	1557497.28	35.76
4750.07	856573.77	1566058.29	35.95
4750.08	857484.70	1574628.58	36.15
4750.09	858393.44	1583207.97	36.35

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DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4750.10	859300.87	1591796.44	36.54
4750.11	860206.89	1600393.98	36.74
4750.12	861111.18	1609000.57	36.94
4750.13	862013.91	1617616.20	37.14
4750.14	862914.87	1626240.84	37.33
4750.15	863813.32	1634874.48	37.53
4750.16	864709.16	1643517.09	37.73
4750.17	865602.57	1652168.65	37.93
4750.18	866493.16	1660829.13	38.13
4750.19	867379.93	1669498.50	38.33
4750.20	868262.60	1678176.71	38.53
4750.21	869141.29	1686863.73	38.73
4750.22	870015.95	1695559.51	38.92
4750.23	871659.38	1704267.89	39.12
4750.24	872457.21	1712988.47	39.32
4750.25	873251.43	1721717.01	39.53
4750.26	874042.80	1730453.48	39.73
4750.27	874831.42	1739197.86	39.93
4750.28	875617.07	1747950.10	40.13
4750.29	876399.66	1756710.18	40.33
4750.30	877179.15	1765478.07	40.53
4750.31	877955.70	1774253.75	40.73
4750.32	878729.26	1783037.17	40.93
4750.33	879499.78	1791828.32	41.13
4750.34	880266.90	1800627.15	41.34
4750.35	881030.68	1809433.64	41.54
4750.36	881791.25	1818247.75	41.74
4750.37	882548.62	1827069.45	41.94
4750.38	883303.07	1835898.71	42.15
4750.39	884054.80	1844735.49	42.35
4750.40	884803.82	1853579.79	42.55
4750.41	885549.86	1862431.56	42.76
4750.42	886289.55	1871290.75	42.96
4750.43	887018.69	1880157.29	43.16
4750.44	887737.81	1889031.08	43.37
4750.45	888447.86	1897912.00	43.57
4750.46	889149.95	1906799.99	43.77
4750.47	889845.50	1915694.97	43.98
4750.48	890539.33	1924596.89	44.18
4750.49	891232.81	1933505.75	44.39
4750.50	892049.75	1942422.17	44.59
4750.51	892726.76	1951346.05	44.80
4750.52	893402.01	1960276.69	45.00
4750.53	894117.22	1969214.29	45.21
4750.54	894804.28	1978158.90	45.41
4750.55	895489.29	1987110.36	45.62

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Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4750.56	896171.64	1996068.67	45.82
4750.57	896851.36	2005033.78	46.03
4750.58	897528.57	2014005.68	46.24
4750.59	898203.48	2022984.34	46.44
4750.60	898876.27	2031969.74	46.65
4750.61	899548.38	2040961.86	46.85
4750.62	900220.86	2049960.71	47.06
4750.63	900893.80	2058966.28	47.27
4750.64	901567.19	2067978.59	47.47
4750.65	902241.09	2076997.63	47.68
4750.66	902915.33	2086023.41	47.89
4750.67	903589.73	2095055.94	48.10
4750.68	904264.29	2104095.21	48.30
4750.69	904939.02	2113141.22	48.51
4750.70	905613.92	2122193.99	48.72
4750.71	906288.88	2131253.50	48.93
4750.72	906958.71	2140319.74	49.13
4750.73	907618.43	2149392.62	49.34
4750.74	908268.43	2158472.06	49.55
4750.75	908913.85	2167557.97	49.76
4750.76	909557.57	2176650.33	49.97
4750.77	910199.59	2185749.11	50.18
4750.78	910839.83	2194854.31	50.39
4750.79	911478.25	2203965.90	50.60
4750.80	912114.53	2213083.86	50.81
4750.81	912748.19	2222208.18	51.01
4750.82	913379.18	2231338.81	51.22
4750.83	914007.50	2240475.75	51.43
4750.84	914633.20	2249618.95	51.64
4750.85	915256.30	2258768.40	51.85
4750.86	915876.81	2267924.06	52.06
4750.87	916495.05	2277085.92	52.27
4750.88	917111.07	2286253.95	52.49
4750.89	917725.29	2295428.13	52.70
4750.90	918339.16	2304608.45	52.91
4750.91	918952.68	2313794.91	53.12
4750.92	919566.08	2322987.51	53.33
4750.93	920180.02	2332186.24	53.54
4750.94	920793.77	2341391.11	53.75
4750.95	921407.28	2350602.11	53.96
4750.96	922020.61	2359819.25	54.17
4750.97	922633.76	2369042.52	54.39
4750.98	923245.56	2378271.92	54.60
4750.99	923855.12	2387507.42	54.81
4751.00	924462.42	2396749.01	55.02
4751.01	925067.51	2405996.66	55.23

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WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4751.02	925670.99	2415250.35	55.45
4751.03	926274.09	2424510.08	55.66
4751.04	926958.47	2433776.24	55.87
4751.05	927563.55	2443048.85	56.08
4751.06	928170.11	2452327.52	56.30
4751.07	928778.18	2461612.26	56.51
4751.08	929387.94	2470903.09	56.72
4751.09	929999.47	2480200.03	56.94
4751.10	930611.67	2489503.08	57.15
4751.11	931221.82	2498812.25	57.36
4751.12	931829.01	2508127.50	57.58
4751.13	932433.04	2517448.81	57.79
4751.14	933033.93	2526776.15	58.01
4751.15	933631.66	2536109.48	58.22
4751.16	934226.23	2545448.76	58.44
4751.17	934817.28	2554793.98	58.65
4751.18	935404.67	2564145.09	58.86
4751.19	935988.42	2573502.06	59.08
4751.20	936568.52	2582864.84	59.29
4751.21	937144.97	2592233.41	59.51
4751.22	937717.79	2601607.72	59.72
4751.23	938287.05	2610987.75	59.94
4751.24	938853.92	2620373.45	60.16
4751.25	939420.02	2629764.82	60.37
4751.26	939985.30	2639161.85	60.59
4751.27	940549.81	2648564.52	60.80
4751.28	941113.59	2657972.84	61.02
4751.29	941676.63	2667386.79	61.23
4751.30	942238.86	2676806.37	61.45
4751.31	942799.77	2686231.56	61.67
4751.32	943358.87	2695662.35	61.88
4751.33	943916.15	2705098.73	62.10
4751.34	944471.61	2714540.67	62.32
4751.35	945025.23	2723988.15	62.53
4751.36	945577.02	2733441.16	62.75
4751.37	946130.50	2742899.70	62.97
4751.38	946696.16	2752363.83	63.19
4751.39	947270.99	2761833.67	63.40
4751.40	947859.47	2771309.32	63.62
4751.41	948456.33	2780790.90	63.84
4751.42	949058.45	2790278.47	64.06
4751.43	949665.72	2799772.09	64.27
4751.44	950271.99	2809271.78	64.49
4751.45	950873.95	2818777.51	64.71
4751.46	951471.88	2828289.24	64.93
4751.47	952067.20	2837806.94	65.15

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4751.48	952659.30	2847330.57	65.37
4751.49	953248.20	2856860.11	65.58
4751.50	953831.24	2866395.50	65.80
4751.51	954384.02	2875936.58	66.02
4751.52	954928.22	2885483.14	66.24
4751.53	955468.49	2895035.12	66.46
4751.54	956003.64	2904592.48	66.68
4751.55	956534.12	2914155.17	66.90
4751.56	957059.92	2923723.14	67.12
4751.57	957581.27	2933296.35	67.34
4751.58	958100.67	2942874.76	67.56
4751.59	958618.82	2952458.36	67.78
4751.60	959135.83	2962047.13	68.00
4751.61	959651.04	2971641.06	68.22
4751.62	960164.51	2981240.14	68.44
4751.63	960677.27	2990844.35	68.66
4751.64	961189.62	3000453.68	68.88
4751.65	961701.61	3010068.14	69.10
4751.66	962212.89	3019687.71	69.32
4751.67	962722.76	3029312.39	69.54
4751.68	963230.70	3038942.16	69.76
4751.69	963736.73	3048576.99	69.99
4751.70	964240.87	3058216.88	70.21
4751.71	964743.07	3067861.80	70.43
4751.72	965243.31	3077511.73	70.65
4751.73	965741.51	3087166.66	70.87
4751.74	966237.67	3096826.55	71.09
4751.75	966731.88	3106491.40	71.32
4751.76	967224.28	3116161.18	71.54
4751.77	967714.89	3125835.88	71.76
4751.78	968203.77	3135515.47	71.98
4751.79	968690.86	3145199.94	72.20
4751.80	969176.18	3154889.28	72.43
4751.81	969659.93	3164583.46	72.65
4751.82	970142.16	3174282.47	72.87
4751.83	970622.88	3183986.29	73.09
4751.84	971102.07	3193694.92	73.32
4751.85	971579.72	3203408.33	73.54
4751.86	972055.85	3213126.51	73.76
4751.87	972530.54	3222849.44	73.99
4751.88	973003.89	3232577.11	74.21
4751.89	973476.20	3242309.51	74.43
4751.90	973947.53	3252046.63	74.66
4751.91	974417.83	3261788.46	74.88
4751.92	974887.08	3271534.98	75.10
4751.93	975355.28	3281286.19	75.33

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4751.94	975822.43	3291042.08	75.55
4751.95	976288.52	3300802.63	75.78
4751.96	976753.65	3310567.85	76.00
4751.97	977218.03	3320337.70	76.22
4751.98	977681.70	3330112.20	76.45
4751.99	978144.28	3339891.33	76.67
4752.00	978605.63	3349675.08	76.90
4752.01	979065.77	3359463.44	77.12
4752.02	979524.70	3369256.39	77.35
4752.03	979982.47	3379053.93	77.57
4752.04	980438.97	3388856.03	77.80
4752.05	980894.13	3398662.70	78.02
4752.06	981347.96	3408473.91	78.25
4752.07	981801.06	3418289.65	78.47
4752.08	982253.81	3428109.93	78.70
4752.09	982706.23	3437934.73	78.92
4752.10	983158.31	3447764.05	79.15
4752.11	983610.05	3457597.89	79.38
4752.12	984061.43	3467436.25	79.60
4752.13	984512.98	3477279.12	79.83
4752.14	984965.81	3487126.52	80.05
4752.15	985419.90	3496978.45	80.28
4752.16	985875.25	3506834.92	80.51
4752.17	986331.82	3516695.96	80.73
4752.18	986789.57	3526561.56	80.96
4752.19	987248.48	3536431.75	81.19
4752.20	987708.34	3546306.54	81.41
4752.21	988169.01	3556185.92	81.64
4752.22	988630.47	3566069.92	81.87
4752.23	989092.72	3575958.54	82.09
4752.24	989555.75	3585851.78	82.32
4752.25	990019.48	3595749.66	82.55
4752.26	990483.46	3605652.17	82.77
4752.27	990947.76	3615559.33	83.00
4752.28	991412.63	3625471.13	83.23
4752.29	991878.10	3635387.58	83.46
4752.30	992344.55	3645308.69	83.68
4752.31	992812.03	3655234.48	83.91
4752.32	993280.54	3665164.94	84.14
4752.33	993750.09	3675100.09	84.37
4752.34	994220.67	3685039.95	84.60
4752.35	994692.29	3694984.51	84.83
4752.36	995164.98	3704933.80	85.05
4752.37	995638.75	3714887.82	85.28
4752.38	996113.56	3724846.58	85.51
4752.39	996588.15	3734810.09	85.74

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4752.40	997061.85	3744778.34	85.97
4752.41	997534.67	3754751.32	86.20
4752.42	998006.62	3764729.02	86.43
4752.43	998477.83	3774711.45	86.66
4752.44	998948.15	3784698.58	86.88
4752.45	999416.25	3794690.40	87.11
4752.46	999878.70	3804686.87	87.34
4752.47	1000335.33	3814687.94	87.57
4752.48	1000787.32	3824693.56	87.80
4752.49	1001237.73	3834703.68	88.03
4752.50	1001687.01	3844718.31	88.26
4752.51	1002135.20	3854737.42	88.49
4752.52	1002582.29	3864761.00	88.72
4752.53	1003028.47	3874789.06	88.95
4752.54	1003475.35	3884821.58	89.18
4752.55	1003923.32	3894858.57	89.41
4752.56	1004372.68	3904900.05	89.64
4752.57	1004823.37	3914946.03	89.87
4752.58	1005274.06	3924996.52	90.11
4752.59	1005724.45	3935051.51	90.34
4752.60	1006174.54	3945111.00	90.57
4752.61	1006624.34	3955175.00	90.80
4752.62	1007073.85	3965243.49	91.03
4752.63	1007523.04	3975316.47	91.26
4752.64	1007971.93	3985393.95	91.49
4752.65	1008420.52	3995475.91	91.72
4752.66	1008868.79	4005562.36	91.96
4752.67	1009316.29	4015653.28	92.19
4752.68	1009762.82	4025748.68	92.42
4752.69	1010208.38	4035848.53	92.65
4752.70	1010652.97	4045952.84	92.88
4752.71	1011096.63	4056061.59	93.11
4752.72	1011539.43	4066174.77	93.35
4752.73	1011981.38	4076292.37	93.58
4752.74	1012422.50	4086414.39	93.81
4752.75	1012864.71	4096540.83	94.04
4752.76	1013311.47	4106671.71	94.28
4752.77	1013762.93	4116807.08	94.51
4752.78	1014219.07	4126946.99	94.74
4752.79	1014679.73	4137091.48	94.97
4752.80	1015144.28	4147240.60	95.21
4752.81	1015609.91	4157394.37	95.44
4752.82	1016074.95	4167552.80	95.67
4752.83	1016539.80	4177715.87	95.91
4752.84	1017004.47	4187883.59	96.14
4752.85	1017469.12	4198055.96	96.37

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4752.86	1017934.13	4208232.98	96.61
4752.87	1018399.62	4218414.65	96.84
4752.88	1019088.40	4228602.09	97.08
4752.89	1019553.96	4238795.30	97.31
4752.90	1020016.55	4248993.15	97.54
4752.91	1020479.39	4259195.63	97.78
4752.92	1020942.39	4269402.74	98.01
4752.93	1021405.59	4279614.48	98.25
4752.94	1021869.03	4289830.85	98.48
4752.95	1022332.44	4300051.86	98.72
4752.96	1022795.62	4310277.50	98.95
4752.97	1023258.60	4320507.77	99.19
4752.98	1023721.49	4330742.67	99.42
4752.99	1024184.38	4340982.20	99.66
4753.00	1024646.54	4351226.35	99.89
4753.01	1025107.51	4361475.12	100.13
4753.02	1025567.56	4371728.50	100.36
4753.03	1026028.18	4381986.48	100.60
4753.04	1026489.61	4392249.07	100.83
4753.05	1026951.85	4402516.27	101.07
4753.06	1027414.87	4412788.11	101.30
4753.07	1027878.25	4423064.57	101.54
4753.08	1028341.77	4433345.67	101.78
4753.09	1028806.22	4443631.41	102.01
4753.10	1029271.79	4453921.80	102.25
4753.11	1029738.36	4464216.85	102.48
4753.12	1030205.89	4474516.58	102.72
4753.13	1030674.38	4484820.98	102.96
4753.14	1031143.83	4495130.07	103.19
4753.15	1031614.24	4505443.86	103.43
4753.16	1032085.60	4515762.36	103.67
4753.17	1032557.92	4526085.57	103.90
4753.18	1033031.27	4536413.52	104.14
4753.19	1033505.85	4546746.21	104.38
4753.20	1033981.68	4557083.64	104.62
4753.21	1034458.76	4567425.85	104.85
4753.22	1034937.15	4577772.83	105.09
4753.23	1035416.82	4588124.59	105.33
4753.24	1035990.97	4598481.63	105.57
4753.25	1036553.86	4608844.36	105.80
4753.26	1037115.80	4619212.71	106.04
4753.27	1037676.80	4629586.67	106.28
4753.28	1038236.86	4639966.24	106.52
4753.29	1038796.17	4650351.40	106.76
4753.30	1039354.81	4660742.16	107.00
4753.31	1039912.67	4671138.49	107.23

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4753.32	1040469.76	4681540.41	107.47
4753.33	1041026.06	4691947.88	107.71
4753.34	1041581.58	4702360.92	107.95
4753.35	1042534.54	4712781.50	108.19
4753.36	1043023.93	4723209.30	108.43
4753.37	1043514.34	4733641.99	108.67
4753.38	1044005.74	4744079.59	108.91
4753.39	1044497.67	4754522.10	109.15
4753.40	1044989.69	4764969.54	109.39
4753.41	1045481.80	4775421.90	109.63
4753.42	1045974.00	4785879.18	109.87
4753.43	1046466.29	4796341.38	110.11
4753.44	1046958.66	4806808.50	110.35
4753.45	1047451.10	4817280.55	110.59
4753.46	1047943.74	4827757.53	110.83
4753.47	1048436.94	4838239.43	111.07
4753.48	1048930.87	4848726.27	111.31
4753.49	1049425.51	4859218.05	111.55
4753.50	1049920.86	4869714.78	111.79
4753.51	1050416.93	4880216.47	112.03
4753.52	1050913.71	4890723.12	112.28
4753.53	1051411.16	4901234.75	112.52
4753.54	1051909.23	4911751.35	112.76
4753.55	1052402.73	4922272.91	113.00
4753.56	1053192.80	4932800.89	113.24
4753.57	1053713.41	4943335.42	113.48
4753.58	1054759.04	4953877.78	113.73
4753.59	1055273.17	4964427.94	113.97
4753.60	1055778.48	4974983.20	114.21
4753.61	1056275.93	4985543.47	114.45
4753.62	1056765.83	4996108.68	114.69
4753.63	1057248.17	5006678.75	114.94
4753.64	1057721.76	5017253.60	115.18
4753.65	1058189.61	5027833.16	115.42
4753.66	1058652.17	5038417.36	115.67
4753.67	1059109.50	5049006.17	115.91
4753.68	1059561.64	5059599.53	116.15
4753.69	1060008.67	5070197.38	116.40
4753.70	1060452.04	5080799.68	116.64
4753.71	1060892.30	5091406.40	116.88
4753.72	1061329.44	5102017.51	117.13
4753.73	1061763.47	5112632.98	117.37
4753.74	1062194.37	5123252.77	117.61
4753.75	1062622.16	5133876.85	117.86
4753.76	1063046.23	5144505.19	118.10
4753.77	1063464.49	5155137.74	118.35

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DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4753.78	1063876.73	5165774.45	118.59
4753.79	1064283.01	5176415.25	118.83
4753.80	1064684.36	5187060.09	119.08
4753.81	1065084.09	5197708.93	119.32
4753.82	1065482.45	5208361.76	119.57
4753.83	1065879.46	5219018.57	119.81
4753.84	1066275.13	5229679.34	120.06
4753.85	1066669.46	5240344.07	120.30
4753.86	1067062.46	5251012.73	120.55
4753.87	1067454.13	5261685.31	120.79
4753.88	1067844.46	5272361.80	121.04
4753.89	1068233.46	5283042.19	121.28
4753.90	1068621.21	5293726.46	121.53
4753.91	1069007.62	5304414.61	121.77
4753.92	1069392.55	5315106.61	122.02
4753.93	1069776.01	5325802.45	122.26
4753.94	1070158.01	5336502.12	122.51
4753.95	1070539.04	5347205.61	122.75
4753.96	1070921.07	5357912.91	123.00
4753.97	1071304.26	5368624.03	123.25
4753.98	1071688.38	5379339.00	123.49
4753.99	1072073.42	5390057.81	123.74
4754.00	1072461.36	5400780.48	123.98
4754.01	1072856.37	5411507.07	124.23
4754.02	1073258.58	5422237.64	124.48
4754.03	1073668.01	5432972.28	124.72
4754.04	1074084.65	5443711.04	124.97
4754.05	1074506.91	5454454.00	125.22
4754.06	1074925.68	5465201.16	125.46
4754.07	1075339.48	5475952.49	125.71
4754.08	1075748.52	5486707.93	125.96
4754.09	1076152.91	5497467.43	126.20
4754.10	1076552.65	5508230.96	126.45
4754.11	1076947.75	5518998.46	126.70
4754.12	1077338.12	5529769.89	126.95
4754.13	1077719.95	5540545.18	127.19
4754.14	1078083.43	5551324.20	127.44
4754.15	1078446.34	5562106.85	127.69
4754.16	1078808.76	5572893.12	127.94
4754.17	1079170.76	5583683.02	128.18
4754.18	1079532.34	5594476.54	128.43
4754.19	1079893.46	5605273.67	128.68
4754.20	1080254.11	5616074.40	128.93
4754.21	1080614.37	5626878.75	129.18
4754.22	1080974.31	5637686.69	129.42
4754.23	1081333.95	5648498.23	129.67

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4754.24	1081693.33	5659313.37	129.92
4754.25	1082052.46	5670132.10	130.17
4754.26	1082411.34	5680954.41	130.42
4754.27	1082783.45	5691780.39	130.67
4754.28	1084134.92	5702614.98	130.91
4754.29	1084480.95	5713458.06	131.16
4754.30	1084856.23	5724304.74	131.41
4754.31	1085210.22	5735155.08	131.66
4754.32	1085563.39	5746008.94	131.91
4754.33	1085915.73	5756866.34	132.16
4754.34	1086267.26	5767727.26	132.41
4754.35	1086617.97	5778591.68	132.66
4754.36	1086967.86	5789459.61	132.91
4754.37	1087316.92	5800331.03	133.16
4754.38	1087665.18	5811205.94	133.41
4754.39	1088012.69	5822084.33	133.66
4754.40	1088359.45	5832966.19	133.91
4754.41	1088705.45	5843851.52	134.16
4754.42	1089050.68	5854740.30	134.41
4754.43	1089395.03	5865632.53	134.66
4754.44	1089738.06	5876528.19	134.91
4754.45	1090079.74	5887427.28	135.16
4754.46	1090420.36	5898329.78	135.41
4754.47	1090759.91	5909235.68	135.66
4754.48	1091098.43	5920144.98	135.91
4754.49	1091435.79	5931057.65	136.16
4754.50	1091771.86	5941973.69	136.41
4754.51	1092106.66	5952893.08	136.66
4754.52	1092440.17	5963815.81	136.91
4754.53	1092772.48	5974741.88	137.16
4754.54	1093103.85	5985671.26	137.41
4754.55	1093434.29	5996603.95	137.66
4754.56	1093763.78	6007539.94	137.91
4754.57	1094092.24	6018479.22	138.17
4754.58	1094419.69	6029421.78	138.42
4754.59	1094746.13	6040367.61	138.67
4754.60	1095071.57	6051316.70	138.92
4754.61	1095396.02	6062269.03	139.17
4754.62	1095719.45	6073224.61	139.42
4754.63	1096041.86	6084183.42	139.67
4754.64	1096363.28	6095145.44	139.93
4754.65	1096683.74	6106110.68	140.18
4754.66	1097003.24	6117079.11	140.43
4754.67	1097321.77	6128050.74	140.68
4754.68	1097639.37	6139025.54	140.93
4754.69	1097956.22	6150003.52	141.18

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4754.70	1098272.39	6160984.66	141.44
4754.71	1098587.88	6171968.97	141.69
4754.72	1098902.68	6182956.42	141.94
4754.73	1099216.78	6193947.02	142.19
4754.74	1099530.19	6204940.75	142.45
4754.75	1099842.96	6215937.62	142.70
4754.76	1100155.07	6226937.61	142.95
4754.77	1100466.54	6237940.71	143.20
4754.78	1100777.39	6248946.93	143.46
4754.79	1101087.66	6259956.26	143.71
4754.80	1101397.28	6270968.68	143.96
4754.81	1101706.15	6281984.20	144.21
4754.82	1102014.31	6293002.80	144.47
4754.83	1102321.78	6304024.48	144.72
4754.84	1102628.62	6315049.24	144.97
4754.85	1102935.86	6326077.06	145.23
4754.86	1103242.45	6337107.95	145.48
4754.87	1103548.35	6348141.90	145.73
4754.88	1103853.59	6359178.91	145.99
4754.89	1104158.14	6370218.97	146.24
4754.90	1104462.01	6381262.07	146.49
4754.91	1104765.22	6392308.21	146.75
4754.92	1105067.91	6403357.37	147.00
4754.93	1105370.18	6414409.56	147.25
4754.94	1105672.05	6425464.78	147.51
4754.95	1105973.57	6436523.00	147.76
4754.96	1106274.76	6447584.24	148.02
4754.97	1106575.65	6458648.50	148.27
4754.98	1106876.22	6469715.76	148.52
4754.99	1107176.46	6480786.02	148.78
4755.00	1107476.35	6491859.28	149.03
4755.01	1107775.89	6502935.54	149.29
4755.02	1108075.09	6514014.80	149.54
4755.03	1108373.94	6525097.04	149.80
4755.04	1108672.45	6536182.28	150.05
4755.05	1108970.61	6547270.49	150.30
4755.06	1109268.42	6558361.69	150.56
4755.07	1109565.89	6569455.86	150.81
4755.08	1109863.02	6580553.00	151.07
4755.09	1110159.80	6591653.12	151.32
4755.10	1110456.23	6602756.20	151.58
4755.11	1110752.33	6613862.24	151.83
4755.12	1111048.22	6624971.24	152.09
4755.13	1111344.07	6636083.20	152.34
4755.14	1111639.64	6647198.12	152.60
4755.15	1111934.75	6658315.99	152.85

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4755.16	1112229.44	6669436.82	153.11
4755.17	1112523.59	6680560.58	153.36
4755.18	1112817.05	6691687.28	153.62
4755.19	1113110.01	6702816.92	153.88
4755.20	1113402.60	6713949.48	154.13
4755.21	1113694.83	6725084.97	154.39
4755.22	1113986.70	6736223.38	154.64
4755.23	1114278.22	6747364.70	154.90
4755.24	1114569.38	6758508.94	155.15
4755.25	1114860.19	6769656.09	155.41
4755.26	1115150.66	6780806.14	155.67
4755.27	1115440.77	6791959.10	155.92
4755.28	1115730.53	6803114.95	156.18
4755.29	1116019.97	6814273.71	156.43
4755.30	1116309.10	6825435.35	156.69
4755.31	1116597.92	6836599.89	156.95
4755.32	1116886.44	6847767.31	157.20
4755.33	1117174.65	6858937.61	157.46
4755.34	1117462.60	6870110.80	157.72
4755.35	1117750.42	6881286.87	157.97
4755.36	1118038.12	6892465.81	158.23
4755.37	1118325.72	6903647.63	158.49
4755.38	1118613.21	6914832.32	158.74
4755.39	1118900.52	6926019.89	159.00
4755.40	1119187.58	6937210.33	159.26
4755.41	1119474.40	6948403.64	159.51
4755.42	1119760.99	6959599.82	159.77
4755.43	1120047.32	6970798.86	160.03
4755.44	1120333.42	6982000.76	160.28
4755.45	1120619.26	6993205.53	160.54
4755.46	1120904.86	7004413.15	160.80
4755.47	1121190.21	7015623.62	161.06
4755.48	1121475.32	7026836.95	161.31
4755.49	1121760.18	7038053.13	161.57
4755.50	1122044.79	7049272.15	161.83
4755.51	1122329.16	7060494.02	162.09
4755.52	1122613.29	7071718.73	162.34
4755.53	1122897.16	7082946.29	162.60
4755.54	1123180.79	7094176.68	162.86
4755.55	1123464.18	7105409.90	163.12
4755.56	1123747.32	7116645.96	163.38
4755.57	1124030.21	7127884.85	163.63
4755.58	1124312.86	7139126.56	163.89
4755.59	1124595.26	7150371.10	164.15
4755.60	1124878.79	7161618.47	164.41
4755.61	1125161.59	7172868.67	164.67

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4755.62	1125443.87	7184121.70	164.92
4755.63	1125726.08	7195377.55	165.18
4755.64	1126008.24	7206636.22	165.44
4755.65	1126290.32	7217897.72	165.70
4755.66	1126572.34	7229162.03	165.96
4755.67	1126854.29	7240429.16	166.22
4755.68	1127136.13	7251699.11	166.48
4755.69	1127417.88	7262971.88	166.73
4755.70	1127699.54	7274247.47	166.99
4755.71	1127981.16	7285525.87	167.25
4755.72	1128262.76	7296807.09	167.51
4755.73	1128544.34	7308091.13	167.77
4755.74	1128825.90	7319377.98	168.03
4755.75	1129107.43	7330667.65	168.29
4755.76	1129388.95	7341960.13	168.55
4755.77	1129670.45	7353255.43	168.81
4755.78	1129951.94	7364553.54	169.07
4755.79	1130233.41	7375854.47	169.33
4755.80	1130514.87	7387158.21	169.59
4755.81	1130796.33	7398464.76	169.85
4755.82	1131077.78	7409774.13	170.11
4755.83	1131359.23	7421086.32	170.36
4755.84	1131640.68	7432401.32	170.62
4755.85	1131922.12	7443719.13	170.88
4755.86	1132203.56	7455039.76	171.14
4755.87	1132485.02	7466363.20	171.40
4755.88	1132766.48	7477689.46	171.66
4755.89	1133047.95	7489018.53	171.92
4755.90	1133329.42	7500350.42	172.18
4755.91	1133610.90	7511685.12	172.44
4755.92	1133892.37	7523022.64	172.70
4755.93	1134173.85	7534362.97	172.97
4755.94	1134455.33	7545706.11	173.23
4755.95	1134736.81	7557052.07	173.49
4755.96	1135018.30	7568400.85	173.75
4755.97	1135299.78	7579752.44	174.01
4755.98	1135581.26	7591106.85	174.27
4755.99	1135862.74	7602464.07	174.53
4756.00	1136144.22	7613824.10	174.79
4756.01	1136425.70	7625186.95	175.05
4756.02	1136707.18	7636552.61	175.31
4756.03	1136988.66	7647921.09	175.57
4756.04	1137270.12	7659292.39	175.83
4756.05	1137551.55	7670666.50	176.09
4756.06	1137832.95	7682043.42	176.36
4756.07	1138114.33	7693423.16	176.62

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4756.08	1138395.69	7704805.71	176.88
4756.09	1138677.02	7716191.07	177.14
4756.10	1138958.32	7727579.25	177.40
4756.11	1139239.60	7738970.23	177.66
4756.12	1139520.86	7750364.04	177.92
4756.13	1139802.13	7761760.65	178.19
4756.14	1140083.41	7773160.08	178.45
4756.15	1140364.73	7784562.32	178.71
4756.16	1140646.06	7795967.37	178.97
4756.17	1140927.41	7807375.24	179.23
4756.18	1141208.79	7818785.92	179.49
4756.19	1141490.19	7830199.42	179.76
4756.20	1141771.61	7841615.73	180.02
4756.21	1142053.05	7853034.85	180.28
4756.22	1142334.52	7864456.79	180.54
4756.23	1142616.02	7875881.54	180.81
4756.24	1142897.53	7887309.11	181.07
4756.25	1143179.07	7898739.49	181.33
4756.26	1143460.64	7910172.69	181.59
4756.27	1143742.23	7921608.70	181.86
4756.28	1144023.85	7933047.53	182.12
4756.29	1144305.49	7944489.18	182.38
4756.30	1144587.14	7955933.64	182.64
4756.31	1144868.80	7967380.92	182.91
4756.32	1145150.46	7978831.02	183.17
4756.33	1145432.12	7990283.93	183.43
4756.34	1145713.78	8001739.66	183.69
4756.35	1145995.44	8013198.21	183.96
4756.36	1146277.11	8024659.57	184.22
4756.37	1146558.78	8036123.75	184.48
4756.38	1146840.44	8047590.75	184.75
4756.39	1147122.11	8059060.56	185.01
4756.40	1147403.78	8070533.19	185.27
4756.41	1147685.45	8082008.63	185.54
4756.42	1147967.13	8093486.90	185.80
4756.43	1148248.80	8104967.98	186.06
4756.44	1148530.47	8116451.87	186.33
4756.45	1148812.14	8127938.59	186.59
4756.46	1149093.82	8139428.12	186.86
4756.47	1149375.49	8150920.46	187.12
4756.48	1149657.16	8162415.63	187.38
4756.49	1149938.81	8173913.61	187.65
4756.50	1150220.45	8185414.40	187.91
4756.51	1150502.07	8196918.01	188.18
4756.52	1150783.67	8208424.44	188.44
4756.53	1151065.26	8219933.69	188.70

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4756.54	1151346.84	8231445.75	188.97
4756.55	1151628.42	8242960.62	189.23
4756.56	1151909.99	8254478.32	189.50
4756.57	1152191.55	8265998.82	189.76
4756.58	1152473.10	8277522.15	190.03
4756.59	1152754.63	8289048.29	190.29
4756.60	1153036.15	8300577.24	190.56
4756.61	1153317.67	8312109.01	190.82
4756.62	1153599.18	8323643.59	191.08
4756.63	1153880.68	8335180.99	191.35
4756.64	1154162.09	8346721.21	191.61
4756.65	1154443.22	8358264.23	191.88
4756.66	1154724.08	8369810.07	192.14
4756.67	1155004.68	8381358.71	192.41
4756.68	1155285.00	8392910.16	192.67
4756.69	1155565.15	8404464.41	192.94
4756.70	1155845.28	8416021.46	193.21
4756.71	1156125.36	8427581.32	193.47
4756.72	1156405.41	8439143.97	193.74
4756.73	1156685.45	8450709.43	194.00
4756.74	1156965.49	8462277.68	194.27
4756.75	1157245.54	8473848.74	194.53
4756.76	1157525.60	8485422.59	194.80
4756.77	1157805.67	8496999.25	195.06
4756.78	1158085.75	8508578.70	195.33
4756.79	1158365.84	8520160.96	195.60
4756.80	1158645.93	8531746.02	195.86
4756.81	1158925.98	8543333.88	196.13
4756.82	1159205.95	8554924.54	196.39
4756.83	1159485.83	8566518.00	196.66
4756.84	1159765.63	8578114.26	196.93
4756.85	1160045.34	8589713.31	197.19
4756.86	1160324.97	8601315.16	197.46
4756.87	1160604.52	8612919.81	197.73
4756.88	1160883.99	8624527.25	197.99
4756.89	1161163.40	8636137.49	198.26
4756.90	1161442.74	8647750.52	198.53
4756.91	1161722.02	8659366.34	198.79
4756.92	1162001.26	8670984.96	199.06
4756.93	1162280.48	8682606.37	199.33
4756.94	1162559.70	8694230.57	199.59
4756.95	1162838.92	8705857.56	199.86
4756.96	1163118.16	8717487.35	200.13
4756.97	1163397.48	8729119.93	200.39
4756.98	1163676.89	8740755.30	200.66
4756.99	1163956.40	8752393.46	200.93

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4757.00	1164235.98	8764034.43	201.19
4757.01	1164515.66	8775678.18	201.46
4757.02	1164795.42	8787324.74	201.73
4757.03	1165075.27	8798974.09	202.00
4757.04	1165355.21	8810626.25	202.26
4757.05	1165635.24	8822281.20	202.53
4757.06	1165915.36	8833938.95	202.80
4757.07	1166195.58	8845599.51	203.07
4757.08	1166475.89	8857262.86	203.33
4757.09	1166756.30	8868929.02	203.60
4757.10	1167036.81	8880597.99	203.87
4757.11	1167317.42	8892269.76	204.14
4757.12	1167598.13	8903944.34	204.41
4757.13	1167878.93	8915621.72	204.67
4757.14	1168159.83	8927301.92	204.94
4757.15	1168440.77	8938984.92	205.21
4757.16	1168721.73	8950670.73	205.48
4757.17	1169002.74	8962359.36	205.75
4757.18	1169283.77	8974050.79	206.02
4757.19	1169564.84	8985745.03	206.28
4757.20	1169845.94	8997442.08	206.55
4757.21	1170127.06	9009141.95	206.82
4757.22	1170408.21	9020844.63	207.09
4757.23	1170689.39	9032550.11	207.36
4757.24	1170970.66	9044258.41	207.63
4757.25	1171252.16	9055969.53	207.90
4757.26	1171533.90	9067683.46	208.17
4757.27	1171815.86	9079400.21	208.43
4757.28	1172098.04	9091119.78	208.70
4757.29	1172380.43	9102842.17	208.97
4757.30	1172663.05	9114567.39	209.24
4757.31	1172945.89	9126295.43	209.51
4757.32	1173228.96	9138026.31	209.78
4757.33	1173512.25	9149760.01	210.05
4757.34	1173795.77	9161496.55	210.32
4757.35	1174079.51	9173235.93	210.59
4757.36	1174363.48	9184978.14	210.86
4757.37	1174647.68	9196723.20	211.13
4757.38	1174932.11	9208471.10	211.40
4757.39	1175216.77	9220221.84	211.67
4757.40	1175501.65	9231975.43	211.94
4757.41	1175786.77	9243731.88	212.21
4757.42	1176072.12	9255491.17	212.48
4757.43	1176357.69	9267253.32	212.75
4757.44	1176643.50	9279018.33	213.02
4757.45	1176929.54	9290786.19	213.29

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4757.46	1177215.81	9302556.92	213.56
4757.47	1177502.31	9314330.51	213.83
4757.48	1177789.04	9326106.96	214.10
4757.49	1178076.01	9337886.29	214.37
4757.50	1178363.21	9349668.49	214.64
4757.51	1178650.65	9361453.56	214.91
4757.52	1178938.32	9373241.50	215.18
4757.53	1179226.26	9385032.32	215.45
4757.54	1179514.48	9396826.03	215.72
4757.55	1179802.99	9408622.61	215.99
4757.56	1180091.77	9420422.09	216.26
4757.57	1180380.82	9432224.45	216.53
4757.58	1180670.15	9444029.71	216.81
4757.59	1180959.75	9455837.85	217.08
4757.60	1181314.66	9467649.23	217.35
4757.61	1181614.25	9479463.87	217.62
4757.62	1181913.82	9491281.51	217.89
4757.63	1182213.38	9503102.15	218.16
4757.64	1182512.93	9514925.78	218.43
4757.65	1182812.46	9526752.41	218.70
4757.66	1183111.98	9538582.03	218.98
4757.67	1183411.48	9550414.65	219.25
4757.68	1183710.96	9562250.26	219.52
4757.69	1184010.44	9574088.86	219.79
4757.70	1184309.91	9585930.47	220.06
4757.71	1184609.36	9597775.06	220.33
4757.72	1184908.81	9609622.65	220.61
4757.73	1185208.26	9621473.24	220.88
4757.74	1185507.70	9633326.82	221.15
4757.75	1185807.13	9645183.39	221.42
4757.76	1186106.56	9657042.96	221.70
4757.77	1186405.97	9668905.52	221.97
4757.78	1186705.37	9680771.08	222.24
4757.79	1187004.72	9692639.63	222.51
4757.80	1187303.91	9704511.17	222.78
4757.81	1187602.93	9716385.71	223.06
4757.82	1187901.77	9728263.23	223.33
4757.83	1188200.45	9740143.74	223.60
4757.84	1188498.96	9752027.24	223.88
4757.85	1188797.31	9763913.72	224.15
4757.86	1189095.49	9775803.18	224.42
4757.87	1189393.50	9787695.63	224.69
4757.88	1189691.35	9799591.05	224.97
4757.89	1189989.05	9811489.46	225.24
4757.90	1190286.58	9823390.83	225.51
4757.91	1190583.94	9835295.19	225.79

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RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4757.92	1190881.12	9847202.51	226.06
4757.93	1191178.11	9859112.81	226.33
4757.94	1191474.91	9871026.07	226.61
4757.95	1191771.53	9882942.31	226.88
4757.96	1192067.96	9894861.50	227.15
4757.97	1192364.20	9906783.66	227.43
4757.98	1192660.26	9918708.79	227.70
4757.99	1192956.16	9930636.87	227.98
4758.00	1193251.88	9942567.91	228.25
4758.01	1193547.43	9954501.90	228.52
4758.02	1193842.81	9966438.86	228.80
4758.03	1194138.02	9978378.76	229.07
4758.04	1194433.06	9990321.62	229.35
4758.05	1194727.92	10002267.42	229.62
4758.06	1195022.61	10014216.17	229.89
4758.07	1195317.12	10026167.87	230.17
4758.08	1195611.46	10038122.51	230.44
4758.09	1195905.62	10050080.10	230.72
4758.10	1196199.60	10062040.63	230.99
4758.11	1196493.41	10074004.09	231.27
4758.12	1196787.04	10085970.49	231.54
4758.13	1197080.49	10097939.83	231.82
4758.14	1197373.77	10109912.10	232.09
4758.15	1197666.88	10121887.30	232.37
4758.16	1197959.80	10133865.44	232.64
4758.17	1198252.56	10145846.50	232.92
4758.18	1198545.14	10157830.49	233.19
4758.19	1198837.59	10169817.40	233.47
4758.20	1199130.00	10181807.24	233.74
4758.21	1199422.37	10193800.00	234.02
4758.22	1199714.71	10205795.69	234.29
4758.23	1200007.02	10217794.30	234.57
4758.24	1200299.29	10229795.83	234.84
4758.25	1200591.54	10241800.28	235.12
4758.26	1200883.75	10253807.66	235.40
4758.27	1201175.92	10265817.96	235.67
4758.28	1201468.06	10277831.18	235.95
4758.29	1201760.17	10289847.32	236.22
4758.30	1202052.25	10301866.38	236.50
4758.31	1202344.30	10313888.36	236.77
4758.32	1202636.31	10325913.26	237.05
4758.33	1202928.30	10337941.09	237.33
4758.34	1203220.24	10349971.83	237.60
4758.35	1203512.13	10362005.49	237.88
4758.36	1203803.96	10374042.07	238.16
4758.37	1204095.73	10386081.57	238.43

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4758.38	1204387.43	10398123.99	238.71
4758.39	1204679.07	10410169.32	238.98
4758.40	1204970.65	10422217.57	239.26
4758.41	1205262.16	10434268.73	239.54
4758.42	1205553.60	10446322.81	239.81
4758.43	1205844.99	10458379.80	240.09
4758.44	1206136.31	10470439.71	240.37
4758.45	1206427.56	10482502.53	240.65
4758.46	1206718.74	10494568.26	240.92
4758.47	1207009.86	10506636.90	241.20
4758.48	1207300.90	10518708.46	241.48
4758.49	1207591.87	10530782.92	241.75
4758.50	1207882.77	10542860.29	242.03
4758.51	1208173.60	10554940.58	242.31
4758.52	1208464.38	10567023.77	242.59
4758.53	1208755.12	10579109.86	242.86
4758.54	1209045.85	10591198.87	243.14
4758.55	1209336.54	10603290.78	243.42
4758.56	1209627.21	10615385.60	243.70
4758.57	1209917.87	10627483.32	243.97
4758.58	1210208.51	10639583.96	244.25
4758.59	1210499.14	10651687.49	244.53
4758.60	1210789.76	10663793.94	244.81
4758.61	1211080.34	10675903.29	245.09
4758.62	1211370.91	10688015.55	245.36
4758.63	1211661.47	10700130.71	245.64
4758.64	1211952.02	10712248.78	245.92
4758.65	1212242.56	10724369.75	246.20
4758.66	1212533.09	10736493.63	246.48
4758.67	1212823.60	10748620.41	246.75
4758.68	1213114.11	10760750.10	247.03
4758.69	1213404.61	10772882.69	247.31
4758.70	1213695.10	10785018.19	247.59
4758.71	1213985.59	10797156.59	247.87
4758.72	1214276.07	10809297.90	248.15
4758.73	1214566.54	10821442.12	248.43
4758.74	1214857.00	10833589.23	248.70
4758.75	1215147.43	10845739.25	248.98
4758.76	1215437.83	10857892.18	249.26
4758.77	1215728.20	10870048.01	249.54
4758.78	1216018.56	10882206.75	249.82
4758.79	1216308.88	10894368.38	250.10
4758.80	1216599.19	10906532.92	250.38
4758.81	1216889.47	10918700.37	250.66
4758.82	1217179.72	10930870.71	250.94
4758.83	1217469.94	10943043.96	251.22

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4758.84	1217760.12	10955220.11	251.50
4758.85	1218050.25	10967399.16	251.78
4758.86	1218340.35	10979581.12	252.06
4758.87	1218630.40	10991765.97	252.34
4758.88	1218920.40	11003953.72	252.62
4758.89	1219210.34	11016144.38	252.90
4758.90	1219500.22	11028337.93	253.18
4758.91	1219790.04	11040534.38	253.46
4758.92	1220079.78	11052733.73	253.74
4758.93	1220369.37	11064935.98	254.02
4758.94	1220658.81	11077141.12	254.30
4758.95	1220948.10	11089349.15	254.58
4758.96	1221237.25	11101560.08	254.86
4758.97	1221526.27	11113773.90	255.14
4758.98	1221815.12	11125990.60	255.42
4758.99	1222103.80	11138210.20	255.70
4759.00	1222392.34	11150432.68	255.98
4759.01	1222680.81	11162658.04	256.26
4759.02	1222969.23	11174886.29	256.54
4759.03	1223257.62	11187117.43	256.82
4759.04	1223545.96	11199351.45	257.10
4759.05	1223834.27	11211588.35	257.38
4759.06	1224122.53	11223828.13	257.66
4759.07	1224410.76	11236070.80	257.94
4759.08	1224698.94	11248316.35	258.23
4759.09	1224987.09	11260564.78	258.51
4759.10	1225275.20	11272816.09	258.79
4759.11	1225563.29	11285070.28	259.07
4759.12	1225851.35	11297327.35	259.35
4759.13	1226139.40	11309587.31	259.63
4759.14	1226427.45	11321850.14	259.91
4759.15	1226715.50	11334115.86	260.20
4759.16	1227003.56	11346384.45	260.48
4759.17	1227291.61	11358655.93	260.76
4759.18	1227579.67	11370930.28	261.04
4759.19	1227867.73	11383207.52	261.32
4759.20	1228155.79	11395487.64	261.60
4759.21	1228443.86	11407770.64	261.89
4759.22	1228731.95	11420056.51	262.17
4759.23	1229020.08	11432345.27	262.45
4759.24	1229308.24	11444636.92	262.73
4759.25	1229596.45	11456931.44	263.01
4759.26	1229884.70	11469228.85	263.30
4759.27	1230172.99	11481529.13	263.58
4759.28	1230461.32	11493832.31	263.86
4759.29	1230749.70	11506138.36	264.14

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4759.30	1231038.12	11518447.30	264.43
4759.31	1231326.59	11530759.12	264.71
4759.32	1231615.10	11543073.83	264.99
4759.33	1231903.65	11555391.42	265.28
4759.34	1232192.25	11567711.90	265.56
4759.35	1232480.89	11580035.27	265.84
4759.36	1232769.57	11592361.52	266.12
4759.37	1233058.28	11604690.66	266.41
4759.38	1233347.04	11617022.69	266.69
4759.39	1233635.83	11629357.60	266.97
4759.40	1233924.65	11641695.40	267.26
4759.41	1234213.53	11654036.10	267.54
4759.42	1234502.46	11666379.68	267.82
4759.43	1234791.44	11678726.15	268.11
4759.44	1235080.48	11691075.50	268.39
4759.45	1235369.56	11703427.75	268.67
4759.46	1235658.66	11715782.90	268.96
4759.47	1235947.76	11728140.93	269.24
4759.48	1236236.87	11740501.85	269.52
4759.49	1236525.99	11752865.67	269.81
4759.50	1236815.10	11765232.37	270.09
4759.51	1237104.19	11777601.97	270.38
4759.52	1237393.26	11789974.45	270.66
4759.53	1237682.31	11802349.83	270.94
4759.54	1237971.35	11814728.10	271.23
4759.55	1238260.36	11827109.26	271.51
4759.56	1238549.35	11839493.31	271.80
4759.57	1238838.33	11851880.25	272.08
4759.58	1239127.28	11864270.07	272.37
4759.59	1239416.23	11876662.79	272.65
4759.60	1239705.16	11889058.40	272.94
4759.61	1239994.08	11901456.89	273.22
4759.62	1240282.99	11913858.28	273.50
4759.63	1240571.88	11926262.55	273.79
4759.64	1240860.76	11938669.72	274.07
4759.65	1241149.62	11951079.77	274.36
4759.66	1241438.46	11963492.71	274.64
4759.67	1241727.29	11975908.54	274.93
4759.68	1242016.10	11988327.26	275.21
4759.69	1242304.89	12000748.86	275.50
4759.70	1242593.67	12013173.35	275.78
4759.71	1242882.45	12025600.73	276.07
4759.72	1243171.22	12038031.00	276.36
4759.73	1243459.97	12050464.16	276.64
4759.74	1243748.72	12062900.20	276.93
4759.75	1244037.46	12075339.13	277.21

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4759.76	1244326.19	12087780.95	277.50
4759.77	1244614.92	12100225.66	277.78
4759.78	1244903.65	12112673.25	278.07
4759.79	1245192.37	12125123.73	278.35
4759.80	1245481.09	12137577.10	278.64
4759.81	1245769.81	12150033.35	278.93
4759.82	1246058.52	12162492.49	279.21
4759.83	1246347.22	12174954.52	279.50
4759.84	1246635.91	12187419.44	279.78
4759.85	1246924.58	12199887.24	280.07
4759.86	1247213.22	12212357.93	280.36
4759.87	1247501.85	12224831.50	280.64
4759.88	1247790.43	12237307.96	280.93
4759.89	1248078.99	12249787.31	281.22
4759.90	1248367.51	12262269.54	281.50
4759.91	1248656.00	12274754.66	281.79
4759.92	1248944.46	12287242.66	282.08
4759.93	1249232.89	12299733.55	282.36
4759.94	1249521.27	12312227.32	282.65
4759.95	1249809.61	12324723.98	282.94
4759.96	1250097.95	12337223.51	283.22
4759.97	1250386.27	12349725.93	283.51
4759.98	1250674.59	12362231.24	283.80
4759.99	1250962.90	12374739.43	284.08
4760.00	1251251.20	12387250.50	284.37
4760.01	1251539.49	12399764.45	284.66
4760.02	1251827.77	12412281.29	284.95
4760.03	1252116.03	12424801.01	285.23
4760.04	1252404.28	12437323.61	285.52
4760.05	1252692.52	12449849.09	285.81
4760.06	1252980.75	12462377.46	286.10
4760.07	1253268.98	12474908.71	286.38
4760.08	1253557.21	12487442.84	286.67
4760.09	1253845.43	12499979.85	286.96
4760.10	1254133.65	12512519.75	287.25
4760.11	1254421.85	12525062.52	287.54
4760.12	1254710.03	12537608.18	287.82
4760.13	1254998.21	12550156.72	288.11
4760.14	1255286.37	12562708.15	288.40
4760.15	1255574.52	12575262.45	288.69
4760.16	1255862.67	12587819.64	288.98
4760.17	1256150.83	12600379.70	289.26
4760.18	1256439.04	12612942.65	289.55
4760.19	1256727.30	12625508.49	289.84
4760.20	1257015.61	12638077.20	290.13
4760.21	1257303.96	12650648.80	290.42

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4760.22	1257592.34	12663223.28	290.71
4760.23	1257880.73	12675800.64	291.00
4760.24	1258169.14	12688380.89	291.29
4760.25	1258457.54	12700964.03	291.57
4760.26	1258745.94	12713550.04	291.86
4760.27	1259034.34	12726138.95	292.15
4760.28	1259322.72	12738730.73	292.44
4760.29	1259611.08	12751325.40	292.73
4760.30	1259899.40	12763922.95	293.02
4760.31	1260187.68	12776523.39	293.31
4760.32	1260475.92	12789126.71	293.60
4760.33	1260764.13	12801732.91	293.89
4760.34	1261052.30	12814341.99	294.18
4760.35	1261340.41	12826953.95	294.47
4760.36	1261628.47	12839568.80	294.76
4760.37	1261916.54	12852186.52	295.05
4760.38	1262204.61	12864807.13	295.34
4760.39	1262492.58	12877430.61	295.63
4760.40	1262780.45	12890056.98	295.91
4760.41	1263068.32	12902686.22	296.20
4760.42	1263356.21	12915318.34	296.49
4760.43	1263644.12	12927953.35	296.78
4760.44	1263932.04	12940591.23	297.08
4760.45	1264219.84	12953231.99	297.37
4760.46	1264507.50	12965875.62	297.66
4760.47	1264795.02	12978522.14	297.95
4760.48	1265082.38	12991171.52	298.24
4760.49	1265369.67	13003823.78	298.53
4760.50	1265656.99	13016478.92	298.82
4760.51	1265944.35	13029136.92	299.11
4760.52	1266231.76	13041797.80	299.40
4760.53	1266519.22	13054461.56	299.69
4760.54	1266806.72	13067128.19	299.98
4760.55	1267094.26	13079797.69	300.27
4760.56	1267381.83	13092470.07	300.56
4760.57	1267669.41	13105145.33	300.85
4760.58	1267957.02	13117823.46	301.14
4760.59	1268244.65	13130504.47	301.43
4760.60	1268532.33	13143188.35	301.73
4760.61	1268820.06	13155875.12	302.02
4760.62	1269107.84	13168564.76	302.31
4760.63	1269395.67	13181257.27	302.60
4760.64	1269683.53	13193952.67	302.89
4760.65	1269971.41	13206650.94	303.18
4760.66	1270259.32	13219352.10	303.47
4760.67	1270547.25	13232056.13	303.77

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4760.68	1270835.22	13244763.04	304.06
4760.69	1271123.21	13257472.83	304.35
4760.70	1271411.21	13270185.51	304.64
4760.71	1271699.23	13282901.06	304.93
4760.72	1271987.27	13295619.49	305.23
4760.73	1272275.32	13308340.80	305.52
4760.74	1272563.39	13321065.00	305.81
4760.75	1272851.46	13333792.07	306.10
4760.76	1273139.54	13346522.03	306.39
4760.77	1273427.65	13359254.86	306.69
4760.78	1273715.76	13371990.58	306.98
4760.79	1274003.88	13384729.18	307.27
4760.80	1274291.99	13397470.66	307.56
4760.81	1274580.11	13410215.02	307.86
4760.82	1274868.23	13422962.26	308.15
4760.83	1275156.35	13435712.38	308.44
4760.84	1275444.46	13448465.39	308.73
4760.85	1275732.58	13461221.27	309.03
4760.86	1276020.69	13473980.04	309.32
4760.87	1276308.80	13486741.69	309.61
4760.88	1276596.93	13499506.21	309.91
4760.89	1276885.10	13512273.62	310.20
4760.90	1277173.32	13525043.92	310.49
4760.91	1277461.59	13537817.09	310.79
4760.92	1277749.90	13550593.15	311.08
4760.93	1278038.25	13563372.09	311.37
4760.94	1278326.64	13576153.91	311.67
4760.95	1278615.08	13588938.62	311.96
4760.96	1278903.57	13601726.22	312.25
4760.97	1279192.10	13614516.69	312.55
4760.98	1279480.69	13627310.06	312.84
4760.99	1279769.35	13640106.31	313.13
4761.00	1280058.11	13652905.44	313.43
4761.01	1280346.95	13665707.47	313.72
4761.02	1280635.88	13678512.38	314.02
4761.03	1280924.90	13691320.19	314.31
4761.04	1281214.01	13704130.88	314.60
4761.05	1281503.21	13716944.47	314.90
4761.06	1281792.50	13729760.95	315.19
4761.07	1282082.11	13742580.32	315.49
4761.08	1282372.33	13755402.59	315.78
4761.09	1282663.15	13768227.77	316.08
4761.10	1282954.58	13781055.86	316.37
4761.11	1283246.10	13793886.86	316.66
4761.12	1283537.43	13806720.78	316.96
4761.13	1283828.05	13819557.61	317.25

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4761.14	1284118.35	13832397.34	317.55
4761.15	1284408.38	13845239.97	317.84
4761.16	1284698.16	13858085.51	318.14
4761.17	1284987.68	13870933.93	318.43
4761.18	1285276.96	13883785.26	318.73
4761.19	1285566.11	13896639.47	319.02
4761.20	1285855.21	13909496.58	319.32
4761.21	1286144.26	13922356.58	319.61
4761.22	1286433.26	13935219.46	319.91
4761.23	1286722.24	13948085.24	320.20
4761.24	1287011.23	13960953.91	320.50
4761.25	1287300.13	13973825.47	320.79
4761.26	1287588.96	13986699.91	321.09
4761.27	1287877.82	13999577.25	321.39
4761.28	1288166.70	14012457.47	321.68
4761.29	1288455.62	14025340.58	321.98
4761.30	1288744.54	14038226.58	322.27
4761.31	1289033.42	14051115.47	322.57
4761.32	1289322.27	14064007.25	322.87
4761.33	1289611.08	14076901.91	323.16
4761.34	1289899.85	14089799.47	323.46
4761.35	1290188.58	14102699.91	323.75
4761.36	1290477.29	14115603.24	324.05
4761.37	1290766.00	14128509.46	324.35
4761.38	1291054.78	14141418.56	324.64
4761.39	1291343.63	14154330.55	324.94
4761.40	1291632.55	14167245.43	325.24
4761.41	1291921.55	14180163.20	325.53
4761.42	1292210.62	14193083.87	325.83
4761.43	1292499.78	14206007.42	326.13
4761.44	1292789.03	14218933.86	326.42
4761.45	1293078.37	14231863.20	326.72
4761.46	1293367.80	14244795.43	327.02
4761.47	1293657.31	14257730.55	327.31
4761.48	1293946.91	14270668.58	327.61
4761.49	1294236.60	14283609.49	327.91
4761.50	1294526.38	14296553.31	328.20
4761.51	1294816.24	14309500.02	328.50
4761.52	1295106.17	14322449.63	328.80
4761.53	1295396.16	14335402.14	329.10
4761.54	1295686.16	14348357.56	329.39
4761.55	1295976.15	14361315.87	329.69
4761.56	1296266.13	14374277.08	329.99
4761.57	1296556.11	14387241.19	330.29
4761.58	1296846.08	14400208.20	330.58
4761.59	1297136.04	14413178.11	330.88

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4761.60	1297426.00	14426150.92	331.18
4761.61	1297715.94	14439126.63	331.48
4761.62	1298005.87	14452105.24	331.77
4761.63	1298295.78	14465086.75	332.07
4761.64	1298585.66	14478071.16	332.37
4761.65	1298875.50	14491058.46	332.67
4761.66	1299165.29	14504048.67	332.97
4761.67	1299455.04	14517041.77	333.27
4761.68	1299744.74	14530037.77	333.56
4761.69	1300034.40	14543036.66	333.86
4761.70	1300324.01	14556038.45	334.16
4761.71	1300613.57	14569043.14	334.46
4761.72	1300903.09	14582050.73	334.76
4761.73	1301192.55	14595061.20	335.06
4761.74	1301481.96	14608074.58	335.36
4761.75	1301771.31	14621090.84	335.65
4761.76	1302060.59	14634110.00	335.95
4761.77	1302349.82	14647132.05	336.25
4761.78	1302639.07	14660157.00	336.55
4761.79	1302928.36	14673184.84	336.85
4761.80	1303217.68	14686215.57	337.15
4761.81	1303507.04	14699249.19	337.45
4761.82	1303796.44	14712285.71	337.75
4761.83	1304085.89	14725325.12	338.05
4761.84	1304375.37	14738367.42	338.35
4761.85	1304664.88	14751412.63	338.65
4761.86	1304954.39	14764460.72	338.95
4761.87	1305243.89	14777511.71	339.24
4761.88	1305533.37	14790565.60	339.54
4761.89	1305822.85	14803622.38	339.84
4761.90	1306112.32	14816682.06	340.14
4761.91	1306401.77	14829744.63	340.44
4761.92	1306691.20	14842810.09	340.74
4761.93	1306980.61	14855878.45	341.04
4761.94	1307270.00	14868949.70	341.34
4761.95	1307559.38	14882023.85	341.64
4761.96	1307848.74	14895100.89	341.94
4761.97	1308138.09	14908180.83	342.24
4761.98	1308427.42	14921263.65	342.55
4761.99	1308716.73	14934349.37	342.85
4762.00	1309006.02	14947437.99	343.15
4762.01	1309295.30	14960529.49	343.45
4762.02	1309584.56	14973623.89	343.75
4762.03	1309873.83	14986721.18	344.05
4762.04	1310163.09	14999821.37	344.35
4762.05	1310452.35	15012924.45	344.65

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4762.06	1310741.61	15026030.42	344.95
4762.07	1311030.87	15039139.28	345.25
4762.08	1311320.12	15052251.03	345.55
4762.09	1311609.33	15065365.68	345.85
4762.10	1311898.52	15078483.22	346.15
4762.11	1312187.67	15091603.65	346.46
4762.12	1312476.63	15104726.97	346.76
4762.13	1312765.51	15117853.18	347.06
4762.14	1313054.36	15130982.28	347.36
4762.15	1313343.18	15144114.27	347.66
4762.16	1313631.94	15157249.15	347.96
4762.17	1313920.67	15170386.91	348.26
4762.18	1314209.36	15183527.56	348.57
4762.19	1314498.01	15196671.10	348.87
4762.20	1314786.62	15209817.52	349.17
4762.21	1315075.20	15222966.83	349.47
4762.22	1315363.75	15236119.02	349.77
4762.23	1315652.27	15249274.10	350.08
4762.24	1315940.75	15262432.07	350.38
4762.25	1316229.21	15275592.92	350.68
4762.26	1316517.63	15288756.65	350.98
4762.27	1316806.02	15301923.27	351.28
4762.28	1317094.38	15315092.77	351.59
4762.29	1317382.71	15328265.16	351.89
4762.30	1317671.00	15341440.43	352.19
4762.31	1317959.26	15354618.58	352.49
4762.32	1318247.49	15367799.61	352.80
4762.33	1318535.70	15380983.53	353.10
4762.34	1318823.89	15394170.33	353.40
4762.35	1319112.05	15407360.00	353.70
4762.36	1319400.20	15420552.57	354.01
4762.37	1319688.32	15433748.01	354.31
4762.38	1319976.42	15446946.33	354.61
4762.39	1320264.51	15460147.54	354.92
4762.40	1320552.58	15473351.62	355.22
4762.41	1320840.63	15486558.59	355.52
4762.42	1321128.67	15499768.43	355.83
4762.43	1321416.70	15512981.16	356.13
4762.44	1321704.72	15526196.77	356.43
4762.45	1321992.73	15539415.26	356.74
4762.46	1322280.74	15552636.62	357.04
4762.47	1322568.74	15565860.87	357.34
4762.48	1322856.73	15579088.00	357.65
4762.49	1323144.72	15592318.01	357.95
4762.50	1323432.70	15605550.89	358.25
4762.51	1323720.68	15618786.66	358.56

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4762.52	1324008.66	15632025.31	358.86
4762.53	1324296.63	15645266.83	359.17
4762.54	1324584.59	15658511.24	359.47
4762.55	1324872.55	15671758.52	359.77
4762.56	1325160.50	15685008.69	360.08
4762.57	1325448.46	15698261.73	360.38
4762.58	1325736.42	15711517.66	360.69
4762.59	1326024.39	15724776.46	360.99
4762.60	1326312.37	15738038.15	361.30
4762.61	1326600.35	15751302.71	361.60
4762.62	1326888.31	15764570.15	361.90
4762.63	1327176.23	15777840.48	362.21
4762.64	1327464.12	15791113.68	362.51
4762.65	1327751.97	15804389.76	362.82
4762.66	1328039.80	15817668.72	363.12
4762.67	1328327.61	15830950.55	363.43
4762.68	1328615.39	15844235.27	363.73
4762.69	1328903.16	15857522.86	364.04
4762.70	1329190.91	15870813.33	364.34
4762.71	1329478.63	15884106.68	364.65
4762.72	1329766.34	15897402.90	364.95
4762.73	1330054.02	15910702.01	365.26
4762.74	1330341.69	15924003.98	365.56
4762.75	1330629.34	15937308.84	365.87
4762.76	1330916.96	15950616.57	366.18
4762.77	1331204.57	15963927.18	366.48
4762.78	1331492.17	15977240.66	366.79
4762.79	1331779.77	15990557.02	367.09
4762.80	1332067.38	16003876.26	367.40
4762.81	1332355.04	16017198.37	367.70
4762.82	1332642.76	16030523.36	368.01
4762.83	1332930.54	16043851.23	368.32
4762.84	1333218.37	16057181.97	368.62
4762.85	1333506.26	16070515.59	368.93
4762.86	1333794.19	16083852.10	369.23
4762.87	1334082.19	16097191.48	369.54
4762.88	1334370.23	16110533.74	369.85
4762.89	1334658.33	16123878.88	370.15
4762.90	1334946.48	16137226.91	370.46
4762.91	1335234.68	16150577.81	370.77
4762.92	1335522.93	16163931.60	371.07
4762.93	1335811.23	16177288.27	371.38
4762.94	1336099.57	16190647.82	371.69
4762.95	1336387.95	16204010.26	371.99
4762.96	1336676.36	16217375.58	372.30
4762.97	1336964.82	16230743.79	372.61

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4762.98	1337253.32	16244114.88	372.91
4762.99	1337541.86	16257488.86	373.22
4763.00	1337830.44	16270865.72	373.53
4763.01	1338119.06	16284245.46	373.83
4763.02	1338407.72	16297628.10	374.14
4763.03	1338696.42	16311013.62	374.45
4763.04	1338985.16	16324402.03	374.76
4763.05	1339273.93	16337793.32	375.06
4763.06	1339562.75	16351187.51	375.37
4763.07	1339851.60	16364584.58	375.68
4763.08	1340140.49	16377984.54	375.99
4763.09	1340429.39	16391387.39	376.29
4763.10	1340718.33	16404793.13	376.60
4763.11	1341007.30	16418201.75	376.91
4763.12	1341296.31	16431613.27	377.22
4763.13	1341585.35	16445027.68	377.53
4763.14	1341874.43	16458444.98	377.83
4763.15	1342163.54	16471865.17	378.14
4763.16	1342452.69	16485288.25	378.45
4763.17	1342741.87	16498714.22	378.76
4763.18	1343031.09	16512143.09	379.07
4763.19	1343320.33	16525574.84	379.37
4763.20	1343609.59	16539009.49	379.68
4763.21	1343898.87	16552447.04	379.99
4763.22	1344188.16	16565887.47	380.30
4763.23	1344477.44	16579330.80	380.61
4763.24	1344766.73	16592777.02	380.92
4763.25	1345056.01	16606226.13	381.23
4763.26	1345345.28	16619678.14	381.54
4763.27	1345634.53	16633133.04	381.84
4763.28	1345923.77	16646590.83	382.15
4763.29	1346212.99	16660051.51	382.46
4763.30	1346502.20	16673515.09	382.77
4763.31	1346791.38	16686981.56	383.08
4763.32	1347080.55	16700450.92	383.39
4763.33	1347369.68	16713923.17	383.70
4763.34	1347658.78	16727398.31	384.01
4763.35	1347947.85	16740876.34	384.32
4763.36	1348236.90	16754357.27	384.63
4763.37	1348525.92	16767841.08	384.94
4763.38	1348814.91	16781327.79	385.25
4763.39	1349103.88	16794817.38	385.56
4763.40	1349392.82	16808309.86	385.87
4763.41	1349681.75	16821805.24	386.18
4763.42	1349970.66	16835303.50	386.49
4763.43	1350259.56	16848804.65	386.80

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4763.44	1350548.44	16862308.69	387.11
4763.45	1350837.30	16875815.62	387.42
4763.46	1351126.15	16889325.44	387.73
4763.47	1351414.97	16902838.14	388.04
4763.48	1351703.78	16916353.74	388.35
4763.49	1351992.57	16929872.22	388.66
4763.50	1352281.34	16943393.59	388.97
4763.51	1352570.09	16956917.84	389.28
4763.52	1352858.83	16970444.99	389.59
4763.53	1353147.54	16983975.02	389.90
4763.54	1353436.22	16997507.94	390.21
4763.55	1353724.88	17011043.74	390.52
4763.56	1354013.51	17024582.44	390.83
4763.57	1354302.11	17038124.01	391.14
4763.58	1354590.68	17051668.48	391.45
4763.59	1354879.22	17065215.83	391.76
4763.60	1355167.72	17078766.06	392.07
4763.61	1355456.20	17092319.18	392.39
4763.62	1355744.64	17105875.19	392.70
4763.63	1356033.03	17119434.07	393.01
4763.64	1356321.38	17132995.85	393.32
4763.65	1356609.67	17146560.50	393.63
4763.66	1356897.91	17160128.04	393.94
4763.67	1357186.10	17173698.46	394.25
4763.68	1357474.25	17187271.76	394.57
4763.69	1357762.36	17200847.94	394.88
4763.70	1358050.43	17214427.01	395.19
4763.71	1358338.47	17228008.95	395.50
4763.72	1358626.46	17241593.78	395.81
4763.73	1358914.43	17255181.48	396.12
4763.74	1359202.38	17268772.07	396.44
4763.75	1359490.33	17282365.53	396.75
4763.76	1359778.28	17295961.87	397.06
4763.77	1360066.22	17309561.09	397.37
4763.78	1360354.12	17323163.20	397.69
4763.79	1360641.97	17336768.18	398.00
4763.80	1360929.79	17350376.04	398.31
4763.81	1361217.56	17363986.77	398.62
4763.82	1361505.30	17377600.39	398.93
4763.83	1361793.03	17391216.88	399.25
4763.84	1362080.73	17404836.25	399.56
4763.85	1362368.42	17418458.49	399.87
4763.86	1362656.10	17432083.62	400.19
4763.87	1362943.76	17445711.61	400.50
4763.88	1363231.03	17459342.49	400.81
4763.89	1363517.78	17472976.23	401.12

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4763.90	1363804.54	17486612.84	401.44
4763.91	1364091.30	17500252.32	401.75
4763.92	1364378.07	17513894.67	402.06
4763.93	1364664.85	17527539.88	402.38
4763.94	1364951.64	17541187.97	402.69
4763.95	1365238.44	17554838.92	403.00
4763.96	1365525.25	17568492.74	403.32
4763.97	1365812.08	17582149.42	403.63
4763.98	1366098.92	17595808.98	403.94
4763.99	1366385.78	17609471.40	404.26
4764.00	1366672.65	17623136.69	404.57
4764.01	1366959.54	17636804.85	404.89
4764.02	1367246.44	17650475.88	405.20
4764.03	1367533.36	17664149.78	405.51
4764.04	1367820.30	17677826.55	405.83
4764.05	1368107.25	17691506.19	406.14
4764.06	1368394.21	17705188.70	406.46
4764.07	1368681.19	17718874.07	406.77
4764.08	1368968.19	17732562.32	407.08
4764.09	1369255.20	17746253.44	407.40
4764.10	1369542.23	17759947.42	407.71
4764.11	1369829.29	17773644.28	408.03
4764.12	1370116.36	17787344.01	408.34
4764.13	1370403.47	17801046.61	408.66
4764.14	1370690.60	17814752.08	408.97
4764.15	1370977.76	17828460.42	409.29
4764.16	1371264.94	17842171.63	409.60
4764.17	1371552.14	17855885.72	409.91
4764.18	1371839.35	17869602.68	410.23
4764.19	1372126.58	17883322.51	410.54
4764.20	1372413.83	17897045.21	410.86
4764.21	1372701.10	17910770.78	411.17
4764.22	1372988.39	17924499.23	411.49
4764.23	1373275.69	17938230.55	411.81
4764.24	1373563.02	17951964.75	412.12
4764.25	1373850.36	17965701.81	412.44
4764.26	1374137.73	17979441.75	412.75
4764.27	1374425.12	17993184.57	413.07
4764.28	1374712.53	18006930.25	413.38
4764.29	1374999.95	18020678.82	413.70
4764.30	1375287.39	18034430.25	414.01
4764.31	1375574.84	18048184.57	414.33
4764.32	1375862.31	18061941.75	414.65
4764.33	1376149.80	18075701.81	414.96
4764.34	1376437.30	18089464.75	415.28
4764.35	1376724.82	18103230.56	415.59

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4764.36	1377012.36	18116999.24	415.91
4764.37	1377299.91	18130770.80	416.23
4764.38	1377587.47	18144545.24	416.54
4764.39	1377875.04	18158322.55	416.86
4764.40	1378162.62	18172102.74	417.17
4764.41	1378450.20	18185885.81	417.49
4764.42	1378737.81	18199671.75	417.81
4764.43	1379025.44	18213460.56	418.12
4764.44	1379313.09	18227252.26	418.44
4764.45	1379600.77	18241046.82	418.76
4764.46	1379888.47	18254844.27	419.07
4764.47	1380176.19	18268644.59	419.39
4764.48	1380463.94	18282447.79	419.71
4764.49	1380751.71	18296253.87	420.02
4764.50	1381039.50	18310062.83	420.34
4764.51	1381327.32	18323874.66	420.66
4764.52	1381615.17	18337689.38	420.98
4764.53	1381903.05	18351506.97	421.29
4764.54	1382190.95	18365327.44	421.61
4764.55	1382478.87	18379150.79	421.93
4764.56	1382766.82	18392977.01	422.24
4764.57	1383054.79	18406806.12	422.56
4764.58	1383342.78	18420638.11	422.88
4764.59	1383630.80	18434472.98	423.20
4764.60	1383918.84	18448310.73	423.51
4764.61	1384206.88	18462151.35	423.83
4764.62	1384494.95	18475994.86	424.15
4764.63	1384783.03	18489841.25	424.47
4764.64	1385071.12	18503690.52	424.79
4764.65	1385359.23	18517542.68	425.10
4764.66	1385647.35	18531397.71	425.42
4764.67	1385935.48	18545255.62	425.74
4764.68	1386223.62	18559116.42	426.06
4764.69	1386511.77	18572980.10	426.38
4764.70	1386799.92	18586846.65	426.70
4764.71	1387088.08	18600716.09	427.01
4764.72	1387376.24	18614588.42	427.33
4764.73	1387664.41	18628463.62	427.65
4764.74	1387952.58	18642341.70	427.97
4764.75	1388240.75	18656222.67	428.29
4764.76	1388528.82	18670106.52	428.61
4764.77	1388816.76	18683993.25	428.93
4764.78	1389104.55	18697882.85	429.24
4764.79	1389392.21	18711775.34	429.56
4764.80	1389679.73	18725670.70	429.88
4764.81	1389967.14	18739568.93	430.20

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RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4764.82	1390254.48	18753470.04	430.52
4764.83	1390541.76	18767374.02	430.84
4764.84	1390828.97	18781280.87	431.16
4764.85	1391116.12	18795190.60	431.48
4764.86	1391403.20	18809103.19	431.80
4764.87	1391690.21	18823018.66	432.12
4764.88	1391977.16	18836937.00	432.44
4764.89	1392264.02	18850858.20	432.76
4764.90	1392550.79	18864782.28	433.08
4764.91	1392837.48	18878709.22	433.40
4764.92	1393124.19	18892639.03	433.72
4764.93	1393410.95	18906571.70	434.04
4764.94	1393697.74	18920507.25	434.36
4764.95	1393984.59	18934445.66	434.68
4764.96	1394271.48	18948386.94	435.00
4764.97	1394558.41	18962331.09	435.32
4764.98	1394845.33	18976278.11	435.64
4764.99	1395132.18	18990227.99	435.96
4765.00	1395418.96	19004180.75	436.28
4765.01	1395705.67	19018136.37	436.60
4765.02	1395992.32	19032094.86	436.92
4765.03	1396278.90	19046056.22	437.24
4765.04	1396565.42	19060020.44	437.56
4765.05	1396851.87	19073987.53	437.88
4765.06	1397138.25	19087957.48	438.20
4765.07	1397424.57	19101930.29	438.52
4765.08	1397710.82	19115905.97	438.84
4765.09	1397997.00	19129884.51	439.16
4765.10	1398283.11	19143865.91	439.48
4765.11	1398569.16	19157850.17	439.80
4765.12	1398855.15	19171837.29	440.12
4765.13	1399141.08	19185827.27	440.45
4765.14	1399426.95	19199820.11	440.77
4765.15	1399712.80	19213815.81	441.09
4765.16	1399998.65	19227814.37	441.41
4765.17	1400284.48	19241815.78	441.73
4765.18	1400570.29	19255820.06	442.05
4765.19	1400856.10	19269827.19	442.37
4765.20	1401141.88	19283837.18	442.70
4765.21	1401427.66	19297850.03	443.02
4765.22	1401713.42	19311865.73	443.34
4765.23	1401999.17	19325884.30	443.66
4765.24	1402284.90	19339905.72	443.98
4765.25	1402570.64	19353929.99	444.31
4765.26	1402856.37	19367957.13	444.63
4765.27	1403142.10	19381987.12	444.95

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4765.28	1403427.84	19396019.97	445.27
4765.29	1403713.57	19410055.68	445.59
4765.30	1403999.30	19424094.24	445.92
4765.31	1404285.03	19438135.66	446.24
4765.32	1404570.76	19452179.94	446.56
4765.33	1404856.49	19466227.08	446.88
4765.34	1405142.21	19480277.07	447.21
4765.35	1405427.93	19494329.92	447.53
4765.36	1405713.64	19508385.63	447.85
4765.37	1405999.35	19522444.20	448.17
4765.38	1406285.05	19536505.62	448.50
4765.39	1406570.73	19550569.90	448.82
4765.40	1406856.42	19564637.03	449.14
4765.41	1407142.09	19578707.03	449.47
4765.42	1407427.76	19592779.87	449.79
4765.43	1407713.42	19606855.58	450.11
4765.44	1407999.07	19620934.14	450.43
4765.45	1408284.72	19635015.56	450.76
4765.46	1408570.35	19649099.84	451.08
4765.47	1408855.98	19663186.97	451.40
4765.48	1409141.60	19677276.96	451.73
4765.49	1409427.21	19691369.80	452.05
4765.50	1409712.77	19705465.50	452.38
4765.51	1409998.28	19719564.06	452.70
4765.52	1410283.75	19733665.47	453.02
4765.53	1410569.19	19747769.73	453.35
4765.54	1410854.65	19761876.85	453.67
4765.55	1411140.11	19775986.82	453.99
4765.56	1411425.58	19790099.65	454.32
4765.57	1411711.06	19804215.33	454.64
4765.58	1411996.56	19818333.87	454.97
4765.59	1412282.07	19832455.27	455.29
4765.60	1412567.60	19846579.51	455.61
4765.61	1412853.15	19860706.62	455.94
4765.62	1413138.72	19874836.58	456.26
4765.63	1413424.31	19888969.39	456.59
4765.64	1413709.91	19903105.06	456.91
4765.65	1413995.51	19917243.59	457.24
4765.66	1414281.10	19931384.97	457.56
4765.67	1414566.68	19945529.21	457.89
4765.68	1414852.26	19959676.31	458.21
4765.69	1415137.83	19973826.26	458.54
4765.70	1415423.38	19987979.06	458.86
4765.71	1415708.92	20002134.73	459.19
4765.72	1415994.44	20016293.24	459.51
4765.73	1416279.95	20030454.61	459.84

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4765.74	1416565.45	20044618.84	460.16
4765.75	1416850.93	20058785.92	460.49
4765.76	1417136.39	20072955.86	460.81
4765.77	1417421.84	20087128.65	461.14
4765.78	1417707.28	20101304.30	461.46
4765.79	1417992.70	20115482.80	461.79
4765.80	1418278.11	20129664.15	462.11
4765.81	1418563.50	20143848.36	462.44
4765.82	1418848.88	20158035.42	462.76
4765.83	1419134.24	20172225.34	463.09
4765.84	1419419.58	20186418.10	463.42
4765.85	1419704.91	20200613.73	463.74
4765.86	1419990.21	20214812.20	464.07
4765.87	1420275.50	20229013.53	464.39
4765.88	1420560.77	20243217.71	464.72
4765.89	1420846.02	20257424.75	465.05
4765.90	1421131.25	20271634.63	465.37
4765.91	1421416.47	20285847.37	465.70
4765.92	1421701.67	20300062.96	466.03
4765.93	1421986.85	20314281.40	466.35
4765.94	1422272.01	20328502.70	466.68
4765.95	1422557.16	20342726.84	467.00
4765.96	1422842.30	20356953.84	467.33
4765.97	1423127.43	20371183.69	467.66
4765.98	1423412.60	20385416.39	467.98
4765.99	1423697.81	20399651.94	468.31
4766.00	1423983.06	20413890.35	468.64
4766.01	1424268.35	20428131.60	468.97
4766.02	1424553.68	20442375.71	469.29
4766.03	1424839.06	20456622.68	469.62
4766.04	1425124.48	20470872.50	469.95
4766.05	1425409.94	20485125.17	470.27
4766.06	1425695.44	20499380.69	470.60
4766.07	1425980.99	20513639.08	470.93
4766.08	1426266.58	20527900.31	471.26
4766.09	1426552.22	20542164.41	471.58
4766.10	1426837.89	20556431.36	471.91
4766.11	1427123.61	20570701.17	472.24
4766.12	1427409.37	20584973.83	472.57
4766.13	1427695.17	20599249.35	472.89
4766.14	1427980.99	20613527.73	473.22
4766.15	1428266.84	20627808.97	473.55
4766.16	1428552.69	20642093.07	473.88
4766.17	1428838.53	20656380.03	474.21
4766.18	1429124.37	20670669.84	474.53
4766.19	1429410.20	20684962.51	474.86

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4766.20	1429696.03	20699258.05	475.19
4766.21	1429981.86	20713556.44	475.52
4766.22	1430267.68	20727857.68	475.85
4766.23	1430553.49	20742161.79	476.17
4766.24	1430839.30	20756468.75	476.50
4766.25	1431125.11	20770778.57	476.83
4766.26	1431410.94	20785091.26	477.16
4766.27	1431696.81	20799406.79	477.49
4766.28	1431982.71	20813725.19	477.82
4766.29	1432268.64	20828046.45	478.15
4766.30	1432554.61	20842370.56	478.47
4766.31	1432840.62	20856697.54	478.80
4766.32	1433126.66	20871027.38	479.13
4766.33	1433412.73	20885360.07	479.46
4766.34	1433698.84	20899695.63	479.79
4766.35	1433984.99	20914034.05	480.12
4766.36	1434271.17	20928375.33	480.45
4766.37	1434557.38	20942719.47	480.78
4766.38	1434843.63	20957066.48	481.11
4766.39	1435129.90	20971416.35	481.44
4766.40	1435416.21	20985769.08	481.77
4766.41	1435702.54	21000124.67	482.10
4766.42	1435988.89	21014483.13	482.43
4766.43	1436275.23	21028844.45	482.76
4766.44	1436561.56	21043208.63	483.09
4766.45	1436847.88	21057575.68	483.42
4766.46	1437134.20	21071945.59	483.75
4766.47	1437420.50	21086318.36	484.08
4766.48	1437706.80	21100694.00	484.41
4766.49	1437993.10	21115072.50	484.74
4766.50	1438279.39	21129453.86	485.07
4766.51	1438565.67	21143838.09	485.40
4766.52	1438851.95	21158225.18	485.73
4766.53	1439138.23	21172615.13	486.06
4766.54	1439424.51	21187007.94	486.39
4766.55	1439710.78	21201403.62	486.72
4766.56	1439997.06	21215802.16	487.05
4766.57	1440283.34	21230203.56	487.38
4766.58	1440569.61	21244607.82	487.71
4766.59	1440855.89	21259014.95	488.04
4766.60	1441142.17	21273424.94	488.37
4766.61	1441428.44	21287837.79	488.70
4766.62	1441714.72	21302253.51	489.03
4766.63	1442000.99	21316672.09	489.36
4766.64	1442287.25	21331093.53	489.69
4766.65	1442573.48	21345517.83	490.03

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4766.66	1442859.69	21359945.00	490.36
4766.67	1443145.88	21374375.03	490.69
4766.68	1443432.05	21388807.92	491.02
4766.69	1443718.20	21403243.67	491.35
4766.70	1444004.31	21417682.28	491.68
4766.71	1444290.40	21432123.75	492.01
4766.72	1444576.45	21446568.09	492.35
4766.73	1444862.47	21461015.28	492.68
4766.74	1445148.45	21475465.34	493.01
4766.75	1445434.37	21489918.25	493.34
4766.76	1445720.22	21504374.02	493.67
4766.77	1446005.99	21518832.65	494.00
4766.78	1446291.70	21533294.14	494.34
4766.79	1446577.31	21547758.49	494.67
4766.80	1446862.85	21562225.69	495.00
4766.81	1447148.30	21576695.74	495.33
4766.82	1447433.70	21591168.65	495.67
4766.83	1447719.06	21605644.42	496.00
4766.84	1448004.38	21620123.04	496.33
4766.85	1448289.66	21634604.51	496.66
4766.86	1448574.90	21649088.83	496.99
4766.87	1448860.11	21663576.00	497.33
4766.88	1449145.27	21678066.03	497.66
4766.89	1449430.39	21692558.91	497.99
4766.90	1449715.22	21707054.64	498.33
4766.91	1449999.61	21721553.21	498.66
4766.92	1450283.96	21736054.63	498.99
4766.93	1450568.33	21750558.89	499.32
4766.94	1450852.69	21765066.00	499.66
4766.95	1451137.01	21779575.94	499.99
4766.96	1451421.29	21794088.74	500.32
4766.97	1451705.54	21808604.37	500.66
4766.98	1451989.75	21823122.85	500.99
4766.99	1452273.93	21837644.16	501.32
4767.00	1452558.05	21852168.32	501.66
4767.01	1452842.12	21866695.32	501.99
4767.02	1453126.13	21881225.17	502.32
4767.03	1453410.08	21895757.85	502.66
4767.04	1453693.98	21910293.37	502.99
4767.05	1453977.83	21924831.73	503.32
4767.06	1454261.61	21939372.92	503.66
4767.07	1454545.34	21953916.96	503.99
4767.08	1454829.02	21968463.83	504.33
4767.09	1455112.64	21983013.54	504.66
4767.10	1455396.20	21997566.08	504.99
4767.11	1455679.71	22012121.46	505.33

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4767.12	1455963.17	22026679.68	505.66
4767.13	1456246.57	22041240.73	506.00
4767.14	1456529.92	22055804.61	506.33
4767.15	1456813.22	22070371.32	506.67
4767.16	1457096.46	22084940.87	507.00
4767.17	1457379.66	22099513.25	507.34
4767.18	1457662.80	22114088.46	507.67
4767.19	1457945.90	22128666.51	508.00
4767.20	1458228.94	22143247.38	508.34
4767.21	1458511.94	22157831.09	508.67
4767.22	1458794.89	22172417.62	509.01
4767.23	1459077.79	22187006.98	509.34
4767.24	1459360.64	22201599.18	509.68
4767.25	1459643.46	22216194.20	510.01
4767.26	1459926.25	22230792.05	510.35
4767.27	1460209.01	22245392.72	510.68
4767.28	1460491.74	22259996.23	511.02
4767.29	1460774.43	22274602.56	511.35
4767.30	1461057.09	22289211.71	511.69
4767.31	1461339.71	22303823.70	512.03
4767.32	1461622.30	22318438.51	512.36
4767.33	1461904.85	22333056.14	512.70
4767.34	1462187.37	22347676.60	513.03
4767.35	1462469.86	22362299.89	513.37
4767.36	1462752.31	22376926.00	513.70
4767.37	1463034.73	22391554.94	514.04
4767.38	1463317.13	22406186.70	514.38
4767.39	1463599.49	22420821.28	514.71
4767.40	1463881.84	22435458.69	515.05
4767.41	1464164.16	22450098.92	515.38
4767.42	1464446.47	22464741.97	515.72
4767.43	1464728.76	22479387.84	516.06
4767.44	1465011.06	22494036.54	516.39
4767.45	1465293.38	22508688.07	516.73
4767.46	1465575.72	22523342.41	517.06
4767.47	1465858.07	22537999.58	517.40
4767.48	1466140.44	22552659.57	517.74
4767.49	1466422.83	22567322.39	518.07
4767.50	1466705.24	22581988.03	518.41
4767.51	1466987.66	22596656.49	518.75
4767.52	1467270.11	22611327.78	519.08
4767.53	1467552.59	22626001.90	519.42
4767.54	1467835.10	22640678.83	519.76
4767.55	1468117.64	22655358.60	520.10
4767.56	1468400.19	22670041.19	520.43
4767.57	1468682.76	22684726.60	520.77

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4767.58	1468965.35	22699414.84	521.11
4767.59	1469247.96	22714105.91	521.44
4767.60	1469530.59	22728799.80	521.78
4767.61	1469813.25	22743496.52	522.12
4767.62	1470095.95	22758196.07	522.46
4767.63	1470378.69	22772898.44	522.79
4767.64	1470661.46	22787603.64	523.13
4767.65	1470944.25	22802311.67	523.47
4767.66	1471227.05	22817022.53	523.81
4767.67	1471509.85	22831736.21	524.14
4767.68	1471792.65	22846452.72	524.48
4767.69	1472075.46	22861172.06	524.82
4767.70	1472358.27	22875894.23	525.16
4767.71	1472641.10	22890619.23	525.50
4767.72	1472923.93	22905347.05	525.83
4767.73	1473206.77	22920077.71	526.17
4767.74	1473489.61	22934811.19	526.51
4767.75	1473772.47	22949547.50	526.85
4767.76	1474055.33	22964286.64	527.19
4767.77	1474338.20	22979028.61	527.53
4767.78	1474621.07	22993773.40	527.86
4767.79	1474903.94	23008521.03	528.20
4767.80	1475186.81	23023271.48	528.54
4767.81	1475469.68	23038024.76	528.88
4767.82	1475752.54	23052780.88	529.22
4767.83	1476035.42	23067539.81	529.56
4767.84	1476318.29	23082301.58	529.90
4767.85	1476601.16	23097066.18	530.24
4767.86	1476884.04	23111833.61	530.57
4767.87	1477166.92	23126603.86	530.91
4767.88	1477449.80	23141376.94	531.25
4767.89	1477732.69	23156152.86	531.59
4767.90	1478015.57	23170931.60	531.93
4767.91	1478298.45	23185713.17	532.27
4767.92	1478581.32	23200497.57	532.61
4767.93	1478864.20	23215284.80	532.95
4767.94	1479147.07	23230074.85	533.29
4767.95	1479429.95	23244867.74	533.63
4767.96	1479712.82	23259663.45	533.97
4767.97	1479995.68	23274461.99	534.31
4767.98	1480278.54	23289263.36	534.65
4767.99	1480561.39	23304067.56	534.99
4768.00	1480844.22	23318874.59	535.33
4768.01	1481127.04	23333684.45	535.67
4768.02	1481409.84	23348497.13	536.01
4768.03	1481692.63	23363312.64	536.35

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RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4768.04	1481975.39	23378130.98	536.69
4768.05	1482258.13	23392952.15	537.03
4768.06	1482540.85	23407776.15	537.37
4768.07	1482823.56	23422602.97	537.71
4768.08	1483106.24	23437432.62	538.05
4768.09	1483388.91	23452265.09	538.39
4768.10	1483671.55	23467100.40	538.73
4768.11	1483954.18	23481938.52	539.07
4768.12	1484236.79	23496779.48	539.41
4768.13	1484519.38	23511623.26	539.75
4768.14	1484801.95	23526469.87	540.09
4768.15	1485084.51	23541319.30	540.43
4768.16	1485367.05	23556171.56	540.78
4768.17	1485649.57	23571026.64	541.12
4768.18	1485932.09	23585884.55	541.46
4768.19	1486214.58	23600745.28	541.80
4768.20	1486497.06	23615608.84	542.14
4768.21	1486779.55	23630475.22	542.48
4768.22	1487062.05	23645344.43	542.82
4768.23	1487344.56	23660216.46	543.16
4768.24	1487627.08	23675091.32	543.51
4768.25	1487909.62	23689969.01	543.85
4768.26	1488192.17	23704849.51	544.19
4768.27	1488474.76	23719732.85	544.53
4768.28	1488757.38	23734619.01	544.87
4768.29	1489040.03	23749508.00	545.21
4768.30	1489322.71	23764399.81	545.56
4768.31	1489605.42	23779294.45	545.90
4768.32	1489888.13	23794191.92	546.24
4768.33	1490170.85	23809092.21	546.58
4768.34	1490453.58	23823995.34	546.92
4768.35	1490736.31	23838901.29	547.27
4768.36	1491019.04	23853810.06	547.61
4768.37	1491301.78	23868721.67	547.95
4768.38	1491584.51	23883636.10	548.29
4768.39	1491867.11	23898553.36	548.64
4768.40	1492149.71	23913473.44	548.98
4768.41	1492432.33	23928396.35	549.32
4768.42	1492714.98	23943322.09	549.66
4768.43	1492997.65	23958250.65	550.01
4768.44	1493280.34	23973182.04	550.35
4768.45	1493563.06	23988116.26	550.69
4768.46	1493845.80	24003053.30	551.03
4768.47	1494128.57	24017993.17	551.38
4768.48	1494411.35	24032935.87	551.72
4768.49	1494694.19	24047881.40	552.06

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4768.50	1494977.10	24062829.76	552.41
4768.51	1495260.09	24077780.94	552.75
4768.52	1495543.15	24092734.96	553.09
4768.53	1495826.26	24107691.81	553.44
4768.54	1496109.42	24122651.48	553.78
4768.55	1496392.62	24137613.99	554.12
4768.56	1496675.86	24152579.34	554.47
4768.57	1496959.12	24167547.51	554.81
4768.58	1497242.38	24182518.52	555.15
4768.59	1497525.65	24197492.36	555.50
4768.60	1497808.92	24212469.03	555.84
4768.61	1498092.19	24227448.54	556.19
4768.62	1498375.46	24242430.88	556.53
4768.63	1498658.73	24257416.05	556.87
4768.64	1498942.02	24272404.05	557.22
4768.65	1499225.31	24287394.89	557.56
4768.66	1499508.62	24302388.56	557.91
4768.67	1499791.98	24317385.06	558.25
4768.68	1500075.40	24332384.40	558.59
4768.69	1500358.89	24347386.57	558.94
4768.70	1500642.41	24362391.57	559.28
4768.71	1500925.94	24377399.42	559.63
4768.72	1501209.47	24392410.09	559.97
4768.73	1501493.01	24407423.61	560.32
4768.74	1501776.57	24422439.95	560.66
4768.75	1502060.13	24437459.14	561.01
4768.76	1502343.70	24452481.16	561.35
4768.77	1502627.29	24467506.01	561.70
4768.78	1502910.88	24482533.70	562.04
4768.79	1503194.49	24497564.23	562.39
4768.80	1503478.09	24512597.59	562.73
4768.81	1503761.67	24527633.79	563.08
4768.82	1504045.26	24542672.82	563.42
4768.83	1504328.88	24557714.70	563.77
4768.84	1504612.51	24572759.40	564.11
4768.85	1504896.16	24587806.95	564.46
4768.86	1505179.83	24602857.33	564.80
4768.87	1505463.53	24617910.54	565.15
4768.88	1505747.26	24632966.60	565.50
4768.89	1506030.99	24648025.49	565.84
4768.90	1506314.74	24663087.22	566.19
4768.91	1506598.50	24678151.78	566.53
4768.92	1506882.27	24693219.19	566.88
4768.93	1507166.05	24708289.43	567.22
4768.94	1507449.84	24723362.51	567.57
4768.95	1507733.63	24738438.42	567.92

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4768.96	1508017.42	24753517.18	568.26
4768.97	1508301.21	24768598.77	568.61
4768.98	1508584.99	24783683.20	568.96
4768.99	1508868.78	24798770.47	569.30
4769.00	1509152.57	24813860.58	569.65
4769.01	1509436.35	24828953.52	569.99
4769.02	1509720.12	24844049.31	570.34
4769.03	1510003.88	24859147.93	570.69
4769.04	1510287.64	24874249.38	571.03
4769.05	1510571.40	24889353.68	571.38
4769.06	1510855.15	24904460.81	571.73
4769.07	1511138.88	24919570.78	572.07
4769.08	1511422.58	24934683.59	572.42
4769.09	1511706.26	24949799.23	572.77
4769.10	1511989.90	24964917.71	573.12
4769.11	1512273.50	24980039.03	573.46
4769.12	1512557.05	24995163.18	573.81
4769.13	1512840.57	25010290.17	574.16
4769.14	1513124.04	25025419.99	574.50
4769.15	1513407.47	25040552.65	574.85
4769.16	1513690.86	25055688.14	575.20
4769.17	1513974.21	25070826.47	575.55
4769.18	1514257.52	25085967.63	575.89
4769.19	1514540.80	25101111.62	576.24
4769.20	1514824.04	25116258.44	576.59
4769.21	1515107.24	25131408.10	576.94
4769.22	1515390.41	25146560.59	577.29
4769.23	1515673.53	25161715.91	577.63
4769.24	1515956.61	25176874.06	577.98
4769.25	1516239.64	25192035.04	578.33
4769.26	1516522.63	25207198.85	578.68
4769.27	1516805.59	25222365.49	579.03
4769.28	1517088.53	25237534.96	579.37
4769.29	1517371.45	25252707.26	579.72
4769.30	1517654.34	25267882.39	580.07
4769.31	1517937.21	25283060.35	580.42
4769.32	1518220.06	25298241.14	580.77
4769.33	1518502.89	25313424.75	581.12
4769.34	1518785.71	25328611.19	581.46
4769.35	1519068.51	25343800.46	581.81
4769.36	1519351.29	25358992.56	582.16
4769.37	1519634.07	25374187.49	582.51
4769.38	1519916.84	25389385.24	582.86
4769.39	1520199.59	25404585.83	583.21
4769.40	1520482.33	25419789.24	583.56
4769.41	1520765.07	25434995.47	583.91

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4769.42	1521047.79	25450204.54	584.26
4769.43	1521330.51	25465416.43	584.61
4769.44	1521613.22	25480631.15	584.95
4769.45	1521895.93	25495848.69	585.30
4769.46	1522178.63	25511069.07	585.65
4769.47	1522461.33	25526292.27	586.00
4769.48	1522744.03	25541518.29	586.35
4769.49	1523026.79	25556747.15	586.70
4769.50	1523309.63	25571978.83	587.05
4769.51	1523592.56	25587213.34	587.40
4769.52	1523875.57	25602450.68	587.75
4769.53	1524158.68	25617690.85	588.10
4769.54	1524441.88	25632933.85	588.45
4769.55	1524725.16	25648179.69	588.80
4769.56	1525008.54	25663428.36	589.15
4769.57	1525292.01	25678679.86	589.50
4769.58	1525575.57	25693934.20	589.85
4769.59	1525859.22	25709191.37	590.20
4769.60	1526142.96	25724451.38	590.55
4769.61	1526426.76	25739714.23	590.90
4769.62	1526710.60	25754979.92	591.25
4769.63	1526994.49	25770248.44	591.60
4769.64	1527278.44	25785519.81	591.95
4769.65	1527562.44	25800794.01	592.30
4769.66	1527846.50	25816071.06	592.66
4769.67	1528130.61	25831350.94	593.01
4769.68	1528414.77	25846633.67	593.36
4769.69	1528698.98	25861919.24	593.71
4769.70	1528983.25	25877207.65	594.06
4769.71	1529267.54	25892498.90	594.41
4769.72	1529551.84	25907793.00	594.76
4769.73	1529836.18	25923089.94	595.11
4769.74	1530120.57	25938389.72	595.46
4769.75	1530405.02	25953692.35	595.81
4769.76	1530689.51	25968997.83	596.17
4769.77	1530974.06	25984306.14	596.52
4769.78	1531258.67	25999617.31	596.87
4769.79	1531543.31	26014931.32	597.22
4769.80	1531827.99	26030248.17	597.57
4769.81	1532112.69	26045567.88	597.92
4769.82	1532397.43	26060890.43	598.28
4769.83	1532682.20	26076215.83	598.63
4769.84	1532966.99	26091544.07	598.98
4769.85	1533251.81	26106875.17	599.33
4769.86	1533536.65	26122209.11	599.68
4769.87	1533821.52	26137545.90	600.04

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4769.88	1534106.42	26152885.54	600.39
4769.89	1534391.34	26168228.03	600.74
4769.90	1534676.30	26183573.36	601.09
4769.91	1534961.28	26198921.55	601.44
4769.92	1535246.29	26214272.59	601.80
4769.93	1535531.32	26229626.48	602.15
4769.94	1535816.39	26244983.22	602.50
4769.95	1536101.49	26260342.81	602.85
4769.96	1536386.61	26275705.25	603.21
4769.97	1536671.77	26291070.54	603.56
4769.98	1536956.95	26306438.68	603.91
4769.99	1537242.17	26321809.68	604.27
4770.00	1537527.41	26337183.53	604.62
4770.01	1537812.69	26352560.23	604.97
4770.02	1538098.00	26367939.78	605.32
4770.03	1538383.35	26383322.19	605.68
4770.04	1538668.73	26398707.45	606.03
4770.05	1538954.15	26414095.56	606.38
4770.06	1539239.61	26429486.53	606.74
4770.07	1539525.11	26444880.35	607.09
4770.08	1539810.64	26460277.03	607.44
4770.09	1540096.21	26475676.57	607.80
4770.10	1540381.81	26491078.96	608.15
4770.11	1540667.44	26506484.20	608.51
4770.12	1540953.10	26521892.31	608.86
4770.13	1541238.80	26537303.27	609.21
4770.14	1541524.52	26552717.08	609.57
4770.15	1541810.28	26568133.76	609.92
4770.16	1542096.06	26583553.29	610.27
4770.17	1542381.88	26598975.68	610.63
4770.18	1542667.71	26614400.92	610.98
4770.19	1542953.59	26629829.03	611.34
4770.20	1543239.50	26645260.00	611.69
4770.21	1543525.45	26660693.82	612.05
4770.22	1543811.43	26676130.51	612.40
4770.23	1544097.44	26691570.05	612.75
4770.24	1544383.47	26707012.45	613.11
4770.25	1544669.53	26722457.72	613.46
4770.26	1544955.62	26737905.85	613.82
4770.27	1545241.73	26753356.83	614.17
4770.28	1545527.87	26768810.68	614.53
4770.29	1545814.04	26784267.39	614.88
4770.30	1546100.23	26799726.96	615.24
4770.31	1546386.45	26815189.39	615.59
4770.32	1546672.70	26830654.69	615.95
4770.33	1546958.98	26846122.85	616.30

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4770.34	1547245.27	26861593.87	616.66
4770.35	1547531.56	26877067.75	617.01
4770.36	1547817.85	26892544.50	617.37
4770.37	1548104.11	26908024.11	617.72
4770.38	1548390.34	26923506.58	618.08
4770.39	1548676.53	26938991.92	618.43
4770.40	1548962.69	26954480.11	618.79
4770.41	1549248.81	26969971.17	619.15
4770.42	1549534.90	26985465.09	619.50
4770.43	1549820.99	27000961.87	619.86
4770.44	1550107.10	27016461.51	620.21
4770.45	1550393.24	27031964.01	620.57
4770.46	1550679.43	27047469.37	620.92
4770.47	1550965.68	27062977.60	621.28
4770.48	1551251.97	27078488.69	621.64
4770.49	1551538.31	27094002.64	621.99
4770.50	1551824.69	27109519.45	622.35
4770.51	1552111.08	27125039.13	622.71
4770.52	1552397.43	27140561.68	623.06
4770.53	1552683.76	27156087.08	623.42
4770.54	1552970.05	27171615.35	623.77
4770.55	1553256.31	27187146.48	624.13
4770.56	1553542.53	27202680.48	624.49
4770.57	1553828.72	27218217.33	624.84
4770.58	1554114.88	27233757.05	625.20
4770.59	1554400.97	27249299.63	625.56
4770.60	1554686.97	27264845.07	625.91
4770.61	1554972.87	27280393.37	626.27
4770.62	1555258.68	27295944.53	626.63
4770.63	1555544.37	27311498.54	626.99
4770.64	1555829.96	27327055.41	627.34
4770.65	1556115.44	27342615.14	627.70
4770.66	1556400.82	27358177.72	628.06
4770.67	1556686.12	27373743.16	628.41
4770.68	1556971.34	27389311.44	628.77
4770.69	1557256.50	27404882.58	629.13
4770.70	1557541.59	27420456.57	629.49
4770.71	1557826.63	27436033.41	629.84
4770.72	1558111.64	27451613.11	630.20
4770.73	1558396.61	27467195.65	630.56
4770.74	1558681.55	27482781.04	630.92
4770.75	1558966.45	27498369.28	631.28
4770.76	1559251.31	27513960.37	631.63
4770.77	1559536.14	27529554.30	631.99
4770.78	1559820.92	27545151.09	632.35
4770.79	1560105.67	27560750.72	632.71

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4770.80	1560390.40	27576353.20	633.07
4770.81	1560675.11	27591958.53	633.42
4770.82	1560959.80	27607566.70	633.78
4770.83	1561244.45	27623177.73	634.14
4770.84	1561529.07	27638791.59	634.50
4770.85	1561813.67	27654408.31	634.86
4770.86	1562098.23	27670027.87	635.22
4770.87	1562382.77	27685650.27	635.58
4770.88	1562667.26	27701275.52	635.93
4770.89	1562951.73	27716903.62	636.29
4770.90	1563236.16	27732534.56	636.65
4770.91	1563520.57	27748168.34	637.01
4770.92	1563804.96	27763804.97	637.37
4770.93	1564089.33	27779444.44	637.73
4770.94	1564373.67	27795086.75	638.09
4770.95	1564657.99	27810731.91	638.45
4770.96	1564942.29	27826379.91	638.81
4770.97	1565226.57	27842030.76	639.17
4770.98	1565510.82	27857684.44	639.52
4770.99	1565795.06	27873340.97	639.88
4771.00	1566079.27	27889000.35	640.24
4771.01	1566363.46	27904662.56	640.60
4771.02	1566647.63	27920327.61	640.96
4771.03	1566931.78	27935995.51	641.32
4771.04	1567215.92	27951666.25	641.68
4771.05	1567500.03	27967339.83	642.04
4771.06	1567784.12	27983016.25	642.40
4771.07	1568068.20	27998695.51	642.76
4771.08	1568358.38	28014377.64	643.12
4771.09	1568644.26	28030062.66	643.48
4771.10	1568930.13	28045750.53	643.84
4771.11	1569216.00	28061441.26	644.20
4771.12	1569501.87	28077134.85	644.56
4771.13	1569787.75	28092831.30	644.92
4771.14	1570073.63	28108530.60	645.28
4771.15	1570359.52	28124232.77	645.64
4771.16	1570645.42	28139937.79	646.00
4771.17	1570931.32	28155645.68	646.36
4771.18	1571217.19	28171356.42	646.73
4771.19	1571503.02	28187070.02	647.09
4771.20	1571788.79	28202786.48	647.45
4771.21	1572074.52	28218505.80	647.81
4771.22	1572360.20	28234227.97	648.17
4771.23	1572645.83	28249953.00	648.53
4771.24	1572931.44	28265680.89	648.89
4771.25	1573217.00	28281411.63	649.25

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4771.26	1573502.55	28297145.23	649.61
4771.27	1573788.12	28312881.68	649.97
4771.28	1574073.71	28328620.99	650.34
4771.29	1574359.31	28344363.16	650.70
4771.30	1574644.93	28360108.18	651.06
4771.31	1574930.55	28375856.05	651.42
4771.32	1575216.18	28391606.79	651.78
4771.33	1575501.72	28407360.38	652.14
4771.34	1575787.17	28423116.82	652.50
4771.35	1576072.52	28438876.12	652.87
4771.36	1576357.78	28454638.27	653.23
4771.37	1576642.93	28470403.27	653.59
4771.38	1576928.00	28486171.13	653.95
4771.39	1577213.04	28501941.83	654.31
4771.40	1577498.07	28517715.39	654.68
4771.41	1577783.09	28533491.80	655.04
4771.42	1578068.11	28549271.05	655.40
4771.43	1578353.13	28565053.16	655.76
4771.44	1578638.13	28580838.11	656.13
4771.45	1578923.13	28596625.92	656.49
4771.46	1579208.12	28612416.58	656.85
4771.47	1579493.10	28628210.08	657.21
4771.48	1579778.08	28644006.44	657.58
4771.49	1580063.04	28659805.64	657.94
4771.50	1580348.00	28675607.70	658.30
4771.51	1580632.93	28691412.60	658.66
4771.52	1580917.86	28707220.36	659.03
4771.53	1581202.77	28723030.96	659.39
4771.54	1581487.67	28738844.41	659.75
4771.55	1581772.55	28754660.71	660.12
4771.56	1582057.41	28770479.86	660.48
4771.57	1582342.26	28786301.86	660.84
4771.58	1582627.10	28802126.71	661.21
4771.59	1582911.91	28817954.40	661.57
4771.60	1583196.72	28833784.95	661.93
4771.61	1583481.51	28849618.34	662.30
4771.62	1583766.29	28865454.58	662.66
4771.63	1584051.06	28881293.66	663.02
4771.64	1584335.83	28897135.60	663.39
4771.65	1584620.59	28912980.38	663.75
4771.66	1584905.35	28928828.01	664.11
4771.67	1585190.10	28944678.49	664.48
4771.68	1585474.85	28960531.81	664.84
4771.69	1585759.59	28976387.98	665.21
4771.70	1586044.33	28992247.00	665.57
4771.71	1586329.06	29008108.87	665.93

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4771.72	1586613.79	29023973.59	666.30
4771.73	1586898.52	29039841.15	666.66
4771.74	1587183.25	29055711.56	667.03
4771.75	1587467.97	29071584.81	667.39
4771.76	1587752.70	29087460.92	667.76
4771.77	1588037.42	29103339.87	668.12
4771.78	1588322.14	29119221.66	668.49
4771.79	1588606.86	29135106.31	668.85
4771.80	1588891.58	29150993.80	669.21
4771.81	1589176.31	29166884.14	669.58
4771.82	1589461.06	29182777.33	669.94
4771.83	1589745.84	29198673.36	670.31
4771.84	1590030.64	29214572.24	670.67
4771.85	1590315.46	29230473.97	671.04
4771.86	1590600.30	29246378.55	671.40
4771.87	1590885.17	29262285.98	671.77
4771.88	1591170.07	29278196.26	672.13
4771.89	1591454.98	29294109.38	672.50
4771.90	1591739.92	29310025.36	672.87
4771.91	1592024.89	29325944.18	673.23
4771.92	1592309.88	29341865.85	673.60
4771.93	1592594.90	29357790.38	673.96
4771.94	1592879.97	29373717.75	674.33
4771.95	1593165.08	29389647.98	674.69
4771.96	1593450.24	29405581.05	675.06
4771.97	1593735.45	29421516.98	675.43
4771.98	1594020.69	29437455.76	675.79
4771.99	1594305.98	29453397.40	676.16
4772.00	1594591.32	29469341.88	676.52
4772.01	1594876.70	29485289.22	676.89
4772.02	1595162.13	29501239.42	677.26
4772.03	1595447.60	29517192.47	677.62
4772.04	1595733.12	29533148.37	677.99
4772.05	1596018.69	29549107.13	678.35
4772.06	1596304.30	29565068.74	678.72
4772.07	1596589.98	29581033.22	679.09
4772.08	1596875.69	29597000.54	679.45
4772.09	1597161.35	29612970.73	679.82
4772.10	1597446.96	29628943.77	680.19
4772.11	1597732.62	29644919.67	680.55
4772.12	1598018.36	29660898.42	680.92
4772.13	1598304.17	29676880.04	681.29
4772.14	1598590.02	29692864.51	681.65
4772.15	1598875.89	29708851.84	682.02
4772.16	1599161.79	29724842.02	682.39
4772.17	1599447.72	29740835.07	682.76

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WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4772.18	1599733.68	29756830.98	683.12
4772.19	1600019.67	29772829.75	683.49
4772.20	1600305.69	29788831.37	683.86
4772.21	1600591.74	29804835.86	684.22
4772.22	1600877.83	29820843.21	684.59
4772.23	1601163.94	29836853.42	684.96
4772.24	1601450.10	29852866.49	685.33
4772.25	1601736.28	29868882.42	685.70
4772.26	1602022.49	29884901.21	686.06
4772.27	1602308.74	29900922.87	686.43
4772.28	1602595.03	29916947.39	686.80
4772.29	1602881.34	29932974.77	687.17
4772.30	1603167.69	29949005.01	687.53
4772.31	1603454.08	29965038.12	687.90
4772.32	1603740.50	29981074.10	688.27
4772.33	1604026.95	29997112.93	688.64
4772.34	1604313.44	30013154.63	689.01
4772.35	1604599.96	30029199.20	689.38
4772.36	1604886.51	30045246.63	689.74
4772.37	1605173.15	30061296.93	690.11
4772.38	1605459.91	30077350.10	690.48
4772.39	1605746.70	30093406.13	690.85
4772.40	1606033.52	30109465.03	691.22
4772.41	1606320.37	30125526.80	691.59
4772.42	1606607.25	30141591.44	691.96
4772.43	1606894.17	30157658.95	692.32
4772.44	1607181.12	30173729.32	692.69
4772.45	1607468.11	30189802.57	693.06
4772.46	1607755.12	30205878.69	693.43
4772.47	1608042.17	30221957.67	693.80
4772.48	1608329.24	30238039.53	694.17
4772.49	1608616.36	30254124.26	694.54
4772.50	1608903.56	30270211.86	694.91
4772.51	1609190.85	30286302.33	695.28
4772.52	1609478.23	30302395.67	695.65
4772.53	1609765.67	30318491.89	696.02
4772.54	1610053.18	30334590.99	696.39
4772.55	1610340.74	30350692.96	696.76
4772.56	1610628.36	30366797.80	697.13
4772.57	1610916.04	30382905.52	697.50
4772.58	1611203.79	30399016.12	697.87
4772.59	1611491.62	30415129.60	698.24
4772.60	1611779.53	30431245.96	698.61
4772.61	1612067.52	30447365.19	698.98
4772.62	1612355.57	30463487.31	699.35
4772.63	1612643.69	30479612.30	699.72

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WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4772.64	1612931.87	30495740.18	700.09
4772.65	1613220.12	30511870.94	700.46
4772.66	1613508.42	30528004.58	700.83
4772.67	1613796.77	30544141.11	701.20
4772.68	1614085.13	30560280.52	701.57
4772.69	1614373.53	30576422.81	701.94
4772.70	1614662.06	30592567.99	702.31
4772.71	1614950.94	30608716.06	702.68
4772.72	1615239.92	30624867.01	703.05
4772.73	1615528.97	30641020.85	703.42
4772.74	1615818.10	30657177.59	703.79
4772.75	1616107.31	30673337.22	704.16
4772.76	1616396.59	30689499.74	704.53
4772.77	1616685.92	30705665.15	704.91
4772.78	1616975.30	30721833.45	705.28
4772.79	1617264.71	30738004.65	705.65
4772.80	1617554.17	30754178.75	706.02
4772.81	1617843.68	30770355.74	706.39
4772.82	1618133.23	30786535.62	706.76
4772.83	1618422.85	30802718.40	707.13
4772.84	1618712.53	30818904.08	707.50
4772.85	1619002.32	30835092.65	707.88
4772.86	1619292.19	30851284.13	708.25
4772.87	1619582.11	30867478.50	708.62
4772.88	1619872.04	30883675.77	708.99
4772.89	1620161.99	30899875.94	709.36
4772.90	1620451.94	30916079.01	709.74
4772.91	1620741.88	30932284.98	710.11
4772.92	1621031.83	30948493.85	710.48
4772.93	1621321.77	30964705.61	710.85
4772.94	1621611.70	30980920.28	711.22
4772.95	1621901.60	30997137.85	711.60
4772.96	1622191.48	31013358.31	711.97
4772.97	1622481.36	31029581.68	712.34
4772.98	1622771.23	31045807.94	712.71
4772.99	1623061.08	31062037.10	713.09
4773.00	1623350.90	31078269.16	713.46
4773.01	1623640.69	31094504.12	713.83
4773.02	1623930.45	31110741.98	714.20
4773.03	1624220.21	31126982.73	714.58
4773.04	1624509.96	31143226.38	714.95
4773.05	1624799.71	31159472.93	715.32
4773.06	1625089.46	31175722.37	715.70
4773.07	1625379.20	31191974.72	716.07
4773.08	1625668.94	31208229.96	716.44
4773.09	1625958.68	31224488.10	716.82

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WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4773.10	1626248.42	31240749.13	717.19
4773.11	1626538.15	31257013.06	717.56
4773.12	1626827.87	31273279.89	717.94
4773.13	1627117.60	31289549.62	718.31
4773.14	1627407.31	31305822.25	718.68
4773.15	1627696.97	31322097.77	719.06
4773.16	1627986.59	31338376.19	719.43
4773.17	1628276.16	31354657.50	719.80
4773.18	1628565.69	31370941.71	720.18
4773.19	1628855.22	31387228.81	720.55
4773.20	1629144.76	31403518.81	720.93
4773.21	1629434.29	31419811.71	721.30
4773.22	1629723.84	31436107.50	721.67
4773.23	1630013.40	31452406.18	722.05
4773.24	1630302.97	31468707.77	722.42
4773.25	1630592.55	31485012.24	722.80
4773.26	1630882.16	31501319.62	723.17
4773.27	1631171.77	31517629.89	723.55
4773.28	1631461.40	31533943.05	723.92
4773.29	1631751.04	31550259.11	724.29
4773.30	1632040.69	31566578.07	724.67
4773.31	1632330.34	31582899.93	725.04
4773.32	1632619.98	31599224.68	725.42
4773.33	1632909.63	31615552.33	725.79
4773.34	1633199.28	31631882.87	726.17
4773.35	1633488.91	31648216.31	726.54
4773.36	1633778.53	31664552.65	726.92
4773.37	1634068.15	31680891.88	727.29
4773.38	1634357.75	31697234.01	727.67
4773.39	1634647.34	31713579.04	728.04
4773.40	1634936.90	31729926.96	728.42
4773.41	1635226.45	31746277.78	728.79
4773.42	1635515.99	31762631.49	729.17
4773.43	1635805.51	31778988.10	729.55
4773.44	1636095.01	31795347.60	729.92
4773.45	1636384.50	31811710.00	730.30
4773.46	1636673.98	31828075.29	730.67
4773.47	1636963.44	31844443.48	731.05
4773.48	1637252.89	31860814.56	731.42
4773.49	1637542.33	31877188.53	731.80
4773.50	1637831.75	31893565.40	732.18
4773.51	1638121.16	31909945.17	732.55
4773.52	1638410.57	31926327.83	732.93
4773.53	1638699.98	31942713.38	733.30
4773.54	1638989.40	31959101.83	733.68
4773.55	1639278.81	31975493.17	734.06

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WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4773.56	1639568.22	31991887.40	734.43
4773.57	1639857.62	32008284.53	734.81
4773.58	1640147.02	32024684.56	735.19
4773.59	1640436.41	32041087.47	735.56
4773.60	1640725.78	32057493.28	735.94
4773.61	1641015.15	32073901.99	736.32
4773.62	1641304.51	32090313.59	736.69
4773.63	1641593.86	32106728.08	737.07
4773.64	1641883.19	32123145.46	737.45
4773.65	1642172.52	32139565.74	737.82
4773.66	1642461.83	32155988.91	738.20
4773.67	1642751.13	32172414.98	738.58
4773.68	1643040.42	32188843.94	738.95
4773.69	1643329.71	32205275.79	739.33
4773.70	1643618.99	32221710.53	739.71
4773.71	1643908.27	32238148.17	740.09
4773.72	1644197.55	32254588.70	740.46
4773.73	1644486.83	32271032.12	740.84
4773.74	1644776.10	32287478.43	741.22
4773.75	1645065.37	32303927.64	741.60
4773.76	1645354.64	32320379.74	741.97
4773.77	1645643.91	32336834.73	742.35
4773.78	1645933.17	32353292.62	742.73
4773.79	1646222.44	32369753.40	743.11
4773.80	1646511.74	32386217.07	743.49
4773.81	1646801.06	32402683.63	743.86
4773.82	1647090.40	32419153.09	744.24
4773.83	1647379.76	32435625.44	744.62
4773.84	1647669.13	32452100.68	745.00
4773.85	1647958.51	32468578.82	745.38
4773.86	1648247.91	32485059.85	745.75
4773.87	1648537.32	32501543.78	746.13
4773.88	1648826.73	32518030.60	746.51
4773.89	1649116.14	32534520.31	746.89
4773.90	1649405.53	32551012.92	747.27
4773.91	1649694.92	32567508.43	747.65
4773.92	1649984.31	32584006.82	748.03
4773.93	1650273.68	32600508.11	748.40
4773.94	1650563.05	32617012.29	748.78
4773.95	1650852.41	32633519.37	749.16
4773.96	1651141.76	32650029.34	749.54
4773.97	1651431.11	32666542.21	749.92
4773.98	1651720.44	32683057.97	750.30
4773.99	1652009.77	32699576.62	750.68
4774.00	1652299.08	32716098.16	751.06
4774.01	1652588.37	32732622.60	751.44

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WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4774.02	1652877.64	32749149.93	751.82
4774.03	1653166.89	32765680.15	752.20
4774.04	1653456.13	32782213.27	752.58
4774.05	1653745.35	32798749.27	752.96
4774.06	1654034.55	32815288.17	753.34
4774.07	1654323.74	32831829.96	753.72
4774.08	1654612.92	32848374.65	754.09
4774.09	1654902.08	32864922.22	754.47
4774.10	1655191.24	32881472.69	754.85
4774.11	1655480.38	32898026.05	755.23
4774.12	1655769.52	32914582.30	755.61
4774.13	1656058.66	32931141.44	755.99
4774.14	1656347.78	32947703.47	756.38
4774.15	1656636.90	32964268.39	756.76
4774.16	1656926.00	32980836.21	757.14
4774.17	1657215.10	32997406.91	757.52
4774.18	1657504.20	33013980.51	757.90
4774.19	1657793.29	33030557.00	758.28
4774.20	1658082.38	33047136.37	758.66
4774.21	1658371.49	33063718.64	759.04
4774.22	1658660.59	33080303.80	759.42
4774.23	1658949.70	33096891.86	759.80
4774.24	1659238.83	33113482.80	760.18
4774.25	1659527.95	33130076.63	760.56
4774.26	1659817.10	33146673.36	760.94
4774.27	1660106.25	33163272.97	761.32
4774.28	1660395.43	33179875.48	761.71
4774.29	1660684.61	33196480.88	762.09
4774.30	1660973.82	33213089.18	762.47
4774.31	1661263.04	33229700.36	762.85
4774.32	1661552.27	33246314.44	763.23
4774.33	1661841.52	33262931.40	763.61
4774.34	1662130.78	33279551.27	763.99
4774.35	1662420.06	33296174.02	764.37
4774.36	1662709.36	33312799.67	764.76
4774.37	1662998.66	33329428.21	765.14
4774.38	1663287.97	33346059.64	765.52
4774.39	1663577.30	33362693.97	765.90
4774.40	1663866.64	33379331.19	766.28
4774.41	1664155.99	33395971.30	766.67
4774.42	1664445.35	33412614.31	767.05
4774.43	1664734.72	33429260.21	767.43
4774.44	1665024.05	33445909.00	767.81
4774.45	1665313.35	33462560.69	768.19
4774.46	1665602.66	33479215.27	768.58
4774.47	1665892.00	33495872.74	768.96

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WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4774.48	1666181.37	33512533.11	769.34
4774.49	1666470.75	33529196.37	769.72
4774.50	1666760.16	33545862.52	770.11
4774.51	1667049.59	33562531.57	770.49
4774.52	1667339.04	33579203.51	770.87
4774.53	1667628.51	33595878.35	771.26
4774.54	1667918.00	33612556.08	771.64
4774.55	1668207.51	33629236.71	772.02
4774.56	1668497.03	33645920.24	772.40
4774.57	1668786.57	33662606.65	772.79
4774.58	1669076.13	33679295.97	773.17
4774.59	1669365.70	33695988.18	773.55
4774.60	1669655.30	33712683.28	773.94
4774.61	1669944.91	33729381.28	774.32
4774.62	1670234.54	33746082.18	774.70
4774.63	1670524.19	33762785.97	775.09
4774.64	1670813.86	33779492.66	775.47
4774.65	1671103.55	33796202.25	775.85
4774.66	1671393.27	33812914.73	776.24
4774.67	1671683.01	33829630.12	776.62
4774.68	1671972.77	33846348.39	777.01
4774.69	1672262.54	33863069.57	777.39
4774.70	1672552.32	33879793.64	777.77
4774.71	1672842.10	33896520.62	778.16
4774.72	1673131.89	33913250.49	778.54
4774.73	1673421.69	33929983.25	778.93
4774.74	1673711.49	33946718.92	779.31
4774.75	1674001.32	33963457.48	779.69
4774.76	1674291.17	33980198.95	780.08
4774.77	1674581.04	33996943.31	780.46
4774.78	1674870.94	34013690.57	780.85
4774.79	1675160.87	34030440.73	781.23
4774.80	1675450.82	34047193.79	781.62
4774.81	1675740.80	34063949.74	782.00
4774.82	1676030.80	34080708.60	782.39
4774.83	1676320.82	34097470.36	782.77
4774.84	1676610.87	34114235.02	783.16
4774.85	1676900.95	34131002.58	783.54
4774.86	1677191.05	34147773.04	783.93
4774.87	1677481.18	34164546.40	784.31
4774.88	1677771.33	34181322.66	784.70
4774.89	1678061.50	34198101.82	785.08
4774.90	1678351.70	34214883.89	785.47
4774.91	1678641.91	34231668.86	785.85
4774.92	1678932.15	34248456.73	786.24
4774.93	1679222.41	34265247.50	786.62

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WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4774.94	1679512.69	34282041.18	787.01
4774.95	1679803.00	34298837.76	787.39
4774.96	1680093.32	34315637.24	787.78
4774.97	1680383.66	34332439.62	788.16
4774.98	1680674.03	34349244.91	788.55
4774.99	1680964.41	34366053.10	788.94
4775.00	1681254.81	34382864.20	789.32
4775.01	1681545.24	34399678.20	789.71
4775.02	1681835.70	34416495.10	790.09
4775.03	1682126.21	34433314.91	790.48
4775.04	1682416.75	34450137.63	790.87
4775.05	1682707.34	34466963.25	791.25
4775.06	1682997.97	34483791.78	791.64
4775.07	1683288.64	34500623.21	792.03
4775.08	1683579.35	34517457.55	792.41
4775.09	1683870.10	34534294.80	792.80
4775.10	1684160.87	34551134.95	793.18
4775.11	1684451.65	34567978.01	793.57
4775.12	1684742.45	34584823.98	793.96
4775.13	1685033.27	34601672.86	794.35
4775.14	1685324.10	34618524.65	794.73
4775.15	1685614.97	34635379.34	795.12
4775.16	1685905.90	34652236.95	795.51
4775.17	1686196.87	34669097.46	795.89
4775.18	1686487.89	34685960.89	796.28
4775.19	1686778.95	34702827.22	796.67
4775.20	1687070.07	34719696.47	797.05
4775.21	1687361.23	34736568.62	797.44
4775.22	1687652.43	34753443.69	797.83
4775.23	1687943.68	34770321.67	798.22
4775.24	1688234.97	34787202.56	798.60
4775.25	1688526.30	34804086.37	798.99
4775.26	1688817.68	34820973.09	799.38
4775.27	1689109.09	34837862.72	799.77
4775.28	1689400.56	34854755.27	800.16
4775.29	1689692.06	34871650.73	800.54
4775.30	1689983.62	34888549.11	800.93
4775.31	1690275.21	34905450.41	801.32
4775.32	1690566.86	34922354.62	801.71
4775.33	1690858.55	34939261.74	802.10
4775.34	1691150.28	34956171.79	802.48
4775.35	1691442.07	34973084.75	802.87
4775.36	1691733.90	34990000.63	803.26
4775.37	1692025.78	35006919.43	803.65
4775.38	1692317.72	35023841.15	804.04
4775.39	1692609.72	35040765.78	804.43

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4775.40	1692901.79	35057693.34	804.81
4775.41	1693193.91	35074623.82	805.20
4775.42	1693486.09	35091557.22	805.59
4775.43	1693778.33	35108493.54	805.98
4775.44	1694070.63	35125432.79	806.37
4775.45	1694362.99	35142374.95	806.76
4775.46	1694655.40	35159320.05	807.15
4775.47	1694947.87	35176268.06	807.54
4775.48	1695240.40	35193219.00	807.93
4775.49	1695532.99	35210172.87	808.31
4775.50	1695825.64	35227129.66	808.70
4775.51	1696118.35	35244089.38	809.09
4775.52	1696411.12	35261052.03	809.48
4775.53	1696703.94	35278017.61	809.87
4775.54	1696996.83	35294986.11	810.26
4775.55	1697289.78	35311957.54	810.65
4775.56	1697582.78	35328931.91	811.04
4775.57	1697875.84	35345909.20	811.43
4775.58	1698168.99	35362889.42	811.82
4775.59	1698462.21	35379872.58	812.21
4775.60	1698755.45	35396858.67	812.60
4775.61	1699048.73	35413847.69	812.99
4775.62	1699342.03	35430839.64	813.38
4775.63	1699635.35	35447834.53	813.77
4775.64	1699928.70	35464832.35	814.16
4775.65	1700222.07	35481833.10	814.55
4775.66	1700515.47	35498836.79	814.94
4775.67	1700808.90	35515843.41	815.33
4775.68	1701102.35	35532852.97	815.72
4775.69	1701395.82	35549865.46	816.11
4775.70	1701689.29	35566880.89	816.50
4775.71	1701982.75	35583899.25	816.89
4775.72	1702276.20	35600920.54	817.28
4775.73	1702569.63	35617944.77	817.68
4775.74	1702863.04	35634971.93	818.07
4775.75	1703156.42	35652002.03	818.46
4775.76	1703449.79	35669035.06	818.85
4775.77	1703743.15	35686071.03	819.24
4775.78	1704036.52	35703109.92	819.63
4775.79	1704329.87	35720151.76	820.02
4775.80	1704623.22	35737196.52	820.41
4775.81	1704916.57	35754244.22	820.80
4775.82	1705209.93	35771294.85	821.20
4775.83	1705503.30	35788348.42	821.59
4775.84	1705796.68	35805404.92	821.98
4775.85	1706090.06	35822464.35	822.37

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4775.86	1706383.46	35839526.72	822.76
4775.87	1706676.91	35856592.02	823.15
4775.88	1706970.40	35873660.26	823.55
4775.89	1707263.94	35890731.43	823.94
4775.90	1707557.50	35907805.54	824.33
4775.91	1707851.08	35924882.58	824.72
4775.92	1708144.68	35941962.56	825.11
4775.93	1708438.31	35959045.47	825.51
4775.94	1708731.95	35976131.33	825.90
4775.95	1709025.61	35993220.11	826.29
4775.96	1709319.29	36010311.84	826.68
4775.97	1709612.99	36027406.50	827.08
4775.98	1709906.71	36044504.10	827.47
4775.99	1710200.44	36061604.63	827.86
4776.00	1710494.19	36078708.11	828.25
4776.01	1710787.95	36095814.52	828.65
4776.02	1711081.73	36112923.87	829.04
4776.03	1711375.53	36130036.15	829.43
4776.04	1711669.34	36147151.38	829.82
4776.05	1711963.17	36164269.54	830.22
4776.06	1712257.02	36181390.64	830.61
4776.07	1712550.88	36198514.68	831.00
4776.08	1712844.76	36215641.66	831.40
4776.09	1713138.66	36232771.57	831.79
4776.10	1713432.57	36249904.43	832.18
4776.11	1713726.51	36267040.23	832.58
4776.12	1714020.46	36284178.96	832.97
4776.13	1714314.43	36301320.63	833.36
4776.14	1714608.42	36318465.25	833.76
4776.15	1714902.42	36335612.80	834.15
4776.16	1715196.45	36352763.30	834.54
4776.17	1715490.49	36369916.73	834.94
4776.18	1715784.53	36387073.11	835.33
4776.19	1716078.59	36404232.42	835.73
4776.20	1716372.65	36421394.68	836.12
4776.21	1716666.72	36438559.88	836.51
4776.22	1716960.79	36455728.01	836.91
4776.23	1717254.85	36472899.09	837.30
4776.24	1717548.91	36490073.11	837.70
4776.25	1717842.96	36507250.07	838.09
4776.26	1718137.01	36524429.97	838.49
4776.27	1718431.05	36541612.81	838.88
4776.28	1718725.08	36558798.59	839.27
4776.29	1719019.11	36575987.31	839.67
4776.30	1719313.14	36593178.97	840.06
4776.31	1719607.27	36610373.57	840.46

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4776.32	1719901.47	36627571.12	840.85
4776.33	1720195.66	36644771.60	841.25
4776.34	1720489.85	36661975.03	841.64
4776.35	1720784.04	36679181.40	842.04
4776.36	1721078.22	36696390.71	842.43
4776.37	1721372.40	36713602.97	842.83
4776.38	1721666.59	36730818.16	843.22
4776.39	1721960.78	36748036.30	843.62
4776.40	1722254.99	36765257.38	844.01
4776.41	1722549.21	36782481.40	844.41
4776.42	1722843.45	36799708.36	844.81
4776.43	1723137.70	36816938.27	845.20
4776.44	1723431.97	36834171.11	845.60
4776.45	1723726.25	36851406.91	845.99
4776.46	1724020.56	36868645.64	846.39
4776.47	1724314.88	36885887.32	846.78
4776.48	1724609.21	36903131.94	847.18
4776.49	1724903.54	36920379.50	847.58
4776.50	1725197.88	36937630.01	847.97
4776.51	1725492.22	36954883.46	848.37
4776.52	1725786.57	36972139.85	848.76
4776.53	1726080.93	36989399.19	849.16
4776.54	1726375.30	37006661.47	849.56
4776.55	1726669.68	37023926.70	849.95
4776.56	1726964.05	37041194.86	850.35
4776.57	1727258.44	37058465.98	850.75
4776.58	1727552.82	37075740.03	851.14
4776.59	1727847.21	37093017.03	851.54
4776.60	1728141.62	37110296.98	851.94
4776.61	1728436.05	37127579.87	852.33
4776.62	1728730.50	37144865.70	852.73
4776.63	1729024.96	37162154.48	853.13
4776.64	1729319.44	37179446.20	853.52
4776.65	1729613.94	37196740.86	853.92
4776.66	1729908.46	37214038.48	854.32
4776.67	1730203.00	37231339.03	854.71
4776.68	1730497.55	37248642.54	855.11
4776.69	1730792.10	37265948.98	855.51
4776.70	1731086.66	37283258.38	855.91
4776.71	1731381.21	37300570.72	856.30
4776.72	1731675.77	37317886.00	856.70
4776.73	1731970.32	37335204.23	857.10
4776.74	1732264.87	37352525.41	857.50
4776.75	1732559.43	37369849.53	857.89
4776.76	1732853.98	37387176.60	858.29
4776.77	1733148.53	37404506.61	858.69

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4776.78	1733443.10	37421839.57	859.09
4776.79	1733737.70	37439175.47	859.49
4776.80	1734032.31	37456514.32	859.88
4776.81	1734326.96	37473856.12	860.28
4776.82	1734621.62	37491200.86	860.68
4776.83	1734916.31	37508548.55	861.08
4776.84	1735211.03	37525899.19	861.48
4776.85	1735505.76	37543252.77	861.87
4776.86	1735800.53	37560609.30	862.27
4776.87	1736095.31	37577968.78	862.67
4776.88	1736390.13	37595331.21	863.07
4776.89	1736684.96	37612696.58	863.47
4776.90	1736979.82	37630064.91	863.87
4776.91	1737274.70	37647436.18	864.27
4776.92	1737569.61	37664810.40	864.67
4776.93	1737864.54	37682187.57	865.06
4776.94	1738159.50	37699567.69	865.46
4776.95	1738454.48	37716950.76	865.86
4776.96	1738749.47	37734336.78	866.26
4776.97	1739044.48	37751725.75	866.66
4776.98	1739339.51	37769117.67	867.06
4776.99	1739634.55	37786512.54	867.46
4777.00	1739929.60	37803910.36	867.86
4777.01	1740224.67	37821311.14	868.26
4777.02	1740519.76	37838714.86	868.66
4777.03	1740814.86	37856121.53	869.06
4777.04	1741110.00	37873531.15	869.46
4777.05	1741405.16	37890943.73	869.86
4777.06	1741700.34	37908359.26	870.26
4777.07	1741995.55	37925777.74	870.66
4777.08	1742290.78	37943199.17	871.06
4777.09	1742586.04	37960623.55	871.46
4777.10	1742881.32	37978050.89	871.86
4777.11	1743176.62	37995481.18	872.26
4777.12	1743471.94	38012914.42	872.66
4777.13	1743767.28	38030350.62	873.06
4777.14	1744062.64	38047789.77	873.46
4777.15	1744358.01	38065231.87	873.86
4777.16	1744653.40	38082676.93	874.26
4777.17	1744948.81	38100124.94	874.66
4777.18	1745244.22	38117575.90	875.06
4777.19	1745539.65	38135029.82	875.46
4777.20	1745835.09	38152486.70	875.86
4777.21	1746130.55	38169946.53	876.26
4777.22	1746426.04	38187409.31	876.66
4777.23	1746721.56	38204875.05	877.06

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4777.24	1747017.10	38222343.74	877.46
4777.25	1747312.68	38239815.39	877.87
4777.26	1747608.29	38257289.99	878.27
4777.27	1747903.94	38274767.55	878.67
4777.28	1748199.61	38292248.07	879.07
4777.29	1748495.33	38309731.55	879.47
4777.30	1748791.07	38327217.98	879.87
4777.31	1749086.85	38344707.37	880.27
4777.32	1749382.66	38362199.72	880.67
4777.33	1749678.52	38379695.02	881.08
4777.34	1749974.42	38397193.29	881.48
4777.35	1750270.38	38414694.51	881.88
4777.36	1750566.39	38432198.69	882.28
4777.37	1750862.45	38449705.84	882.68
4777.38	1751158.56	38467215.94	883.09
4777.39	1751454.73	38484729.01	883.49
4777.40	1751750.94	38502245.04	883.89
4777.41	1752047.21	38519764.03	884.29
4777.42	1752343.53	38537285.98	884.69
4777.43	1752639.91	38554810.90	885.10
4777.44	1752936.32	38572338.78	885.50
4777.45	1753232.76	38589869.63	885.90
4777.46	1753529.23	38607403.44	886.30
4777.47	1753825.74	38624940.21	886.71
4777.48	1754122.28	38642479.95	887.11
4777.49	1754418.85	38660022.66	887.51
4777.50	1754715.45	38677568.33	887.91
4777.51	1755012.09	38695116.97	888.32
4777.52	1755308.77	38712668.57	888.72
4777.53	1755605.48	38730223.14	889.12
4777.54	1755902.23	38747780.68	889.53
4777.55	1756199.02	38765341.19	889.93
4777.56	1756495.86	38782904.66	890.33
4777.57	1756792.74	38800471.10	890.74
4777.58	1757089.66	38818040.52	891.14
4777.59	1757386.64	38835612.90	891.54
4777.60	1757683.66	38853188.25	891.95
4777.61	1757980.73	38870766.57	892.35
4777.62	1758277.84	38888347.86	892.75
4777.63	1758575.00	38905932.13	893.16
4777.64	1758872.20	38923519.36	893.56
4777.65	1759169.45	38941109.57	893.96
4777.66	1759466.75	38958702.75	894.37
4777.67	1759764.08	38976298.91	894.77
4777.68	1760061.44	38993898.03	895.18
4777.69	1760358.85	39011500.14	895.58

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4777.70	1760656.30	39029105.21	895.98
4777.71	1760953.79	39046713.26	896.39
4777.72	1761251.34	39064324.29	896.79
4777.73	1761548.93	39081938.29	897.20
4777.74	1761846.58	39099555.27	897.60
4777.75	1762144.27	39117175.22	898.01
4777.76	1762442.02	39134798.15	898.41
4777.77	1762739.82	39152424.06	898.82
4777.78	1763037.68	39170052.95	899.22
4777.79	1763335.59	39187684.82	899.63
4777.80	1763633.56	39205319.66	900.03
4777.81	1763931.57	39222957.49	900.44
4777.82	1764229.64	39240598.29	900.84
4777.83	1764527.77	39258242.08	901.25
4777.84	1764825.94	39275888.85	901.65
4777.85	1765124.17	39293538.60	902.06
4777.86	1765422.45	39311191.33	902.46
4777.87	1765720.79	39328847.05	902.87
4777.88	1766019.19	39346505.75	903.27
4777.89	1766317.65	39364167.43	903.68
4777.90	1766616.15	39381832.10	904.08
4777.91	1766914.71	39399499.76	904.49
4777.92	1767213.30	39417170.40	904.89
4777.93	1767511.92	39434844.02	905.30
4777.94	1767810.57	39452520.63	905.71
4777.95	1768109.26	39470200.23	906.11
4777.96	1768407.96	39487882.82	906.52
4777.97	1768706.68	39505568.39	906.92
4777.98	1769005.42	39523256.95	907.33
4777.99	1769304.18	39540948.50	907.74
4778.00	1769602.96	39558643.04	908.14
4778.01	1769901.78	39576340.56	908.55
4778.02	1770200.63	39594041.07	908.95
4778.03	1770499.52	39611744.57	909.36
4778.04	1770798.43	39629451.06	909.77
4778.05	1771097.38	39647160.54	910.17
4778.06	1771396.36	39664873.01	910.58
4778.07	1771695.31	39682588.47	910.99
4778.08	1771994.22	39700306.92	911.39
4778.09	1772293.09	39718028.35	911.80
4778.10	1772885.88	39735754.25	912.21
4778.11	1773181.20	39753484.58	912.61
4778.12	1773476.53	39771217.87	913.02
4778.13	1773771.88	39788954.11	913.43
4778.14	1774067.25	39806693.31	913.84
4778.15	1774362.63	39824435.46	914.24

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RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4778.16	1774658.03	39842180.56	914.65
4778.17	1774953.44	39859928.62	915.06
4778.18	1775248.86	39877679.63	915.47
4778.19	1775544.30	39895433.60	915.87
4778.20	1775839.76	39913190.52	916.28
4778.21	1776135.23	39930950.39	916.69
4778.22	1776430.72	39948713.22	917.10
4778.23	1776726.22	39966479.01	917.50
4778.24	1777021.73	39984247.75	917.91
4778.25	1777317.26	40002019.44	918.32
4778.26	1777612.79	40019794.09	918.73
4778.27	1777908.34	40037571.70	919.14
4778.28	1778203.90	40055352.26	919.54
4778.29	1778499.47	40073135.77	919.95
4778.30	1778795.05	40090922.25	920.36
4778.31	1779090.65	40108711.68	920.77
4778.32	1779386.25	40126504.06	921.18
4778.33	1779681.87	40144299.40	921.59
4778.34	1779977.50	40162097.70	921.99
4778.35	1780273.15	40179898.95	922.40
4778.36	1780568.81	40197703.16	922.81
4778.37	1780864.49	40215510.33	923.22
4778.38	1781160.18	40233320.45	923.63
4778.39	1781455.87	40251133.53	924.04
4778.40	1781751.58	40268949.57	924.45
4778.41	1782047.30	40286768.56	924.86
4778.42	1782343.03	40304590.51	925.27
4778.43	1782638.77	40322415.42	925.68
4778.44	1782934.52	40340243.29	926.08
4778.45	1783230.28	40358074.11	926.49
4778.46	1783526.05	40375907.90	926.90
4778.47	1783821.84	40393744.63	927.31
4778.48	1784117.63	40411584.33	927.72
4778.49	1784413.44	40429426.99	928.13
4778.50	1784709.25	40447272.60	928.54
4778.51	1785005.07	40465121.17	928.95
4778.52	1785300.90	40482972.70	929.36
4778.53	1785596.74	40500827.19	929.77
4778.54	1785892.59	40518684.64	930.18
4778.55	1786188.45	40536545.04	930.59
4778.56	1786484.32	40554408.41	931.00
4778.57	1786780.20	40572274.73	931.41
4778.58	1787076.08	40590144.01	931.82
4778.59	1787371.98	40608016.25	932.23
4778.60	1787667.89	40625891.45	932.64
4778.61	1787963.81	40643769.61	933.05

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4778.62	1788259.75	40661650.73	933.46
4778.63	1788555.69	40679534.80	933.87
4778.64	1788851.65	40697421.84	934.28
4778.65	1789147.63	40715311.84	934.69
4778.66	1789443.64	40733204.79	935.11
4778.67	1789739.67	40751100.71	935.52
4778.68	1790035.74	40768999.59	935.93
4778.69	1790331.83	40786901.42	936.34
4778.70	1790627.95	40804806.22	936.75
4778.71	1790924.09	40822713.98	937.16
4778.72	1791220.25	40840624.70	937.57
4778.73	1791516.44	40858538.39	937.98
4778.74	1791812.64	40876455.03	938.39
4778.75	1792108.86	40894374.64	938.81
4778.76	1792405.10	40912297.21	939.22
4778.77	1792701.36	40930222.74	939.63
4778.78	1792997.64	40948151.24	940.04
4778.79	1793293.94	40966082.70	940.45
4778.80	1793590.25	40984017.12	940.86
4778.81	1793886.58	41001954.50	941.28
4778.82	1794182.94	41019894.85	941.69
4778.83	1794479.31	41037838.16	942.10
4778.84	1794775.71	41055784.43	942.51
4778.85	1795072.13	41073733.67	942.92
4778.86	1795368.58	41091685.88	943.34
4778.87	1795665.04	41109641.05	943.75
4778.88	1795961.53	41127599.18	944.16
4778.89	1796258.03	41145560.28	944.57
4778.90	1796554.55	41163524.34	944.98
4778.91	1796851.09	41181491.37	945.40
4778.92	1797147.65	41199461.36	945.81
4778.93	1797444.23	41217434.32	946.22
4778.94	1797740.83	41235410.25	946.63
4778.95	1798037.43	41253389.14	947.05
4778.96	1798334.05	41271370.99	947.46
4778.97	1798630.67	41289355.82	947.87
4778.98	1798927.29	41307343.61	948.29
4778.99	1799223.93	41325334.36	948.70
4779.00	1799520.57	41343328.09	949.11
4779.01	1799817.24	41361324.78	949.53
4779.02	1800113.92	41379324.43	949.94
4779.03	1800410.61	41397327.05	950.35
4779.04	1800707.33	41415332.64	950.77
4779.05	1801004.06	41433341.20	951.18
4779.06	1801300.81	41451352.72	951.59
4779.07	1801597.58	41469367.22	952.01

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4779.08	1801894.36	41487384.68	952.42
4779.09	1802191.16	41505405.10	952.83
4779.10	1802487.98	41523428.50	953.25
4779.11	1802784.82	41541454.86	953.66
4779.12	1803081.67	41559484.20	954.07
4779.13	1803378.54	41577516.50	954.49
4779.14	1803675.44	41595551.77	954.90
4779.15	1803972.36	41613590.01	955.32
4779.16	1804269.30	41631631.21	955.73
4779.17	1804566.26	41649675.39	956.14
4779.18	1804863.24	41667722.54	956.56
4779.19	1805160.25	41685772.66	956.97
4779.20	1805457.27	41703825.74	957.39
4779.21	1805754.31	41721881.80	957.80
4779.22	1806051.36	41739940.83	958.22
4779.23	1806348.41	41758002.83	958.63
4779.24	1806645.48	41776067.80	959.05
4779.25	1806942.55	41794135.74	959.46
4779.26	1807239.65	41812206.65	959.88
4779.27	1807536.75	41830280.53	960.29
4779.28	1807833.87	41848357.39	960.71
4779.29	1808131.00	41866437.21	961.12
4779.30	1808428.14	41884520.01	961.54
4779.31	1808725.29	41902605.77	961.95
4779.32	1809022.45	41920694.51	962.37
4779.33	1809319.63	41938786.22	962.78
4779.34	1809616.81	41956880.90	963.20
4779.35	1809914.01	41974978.56	963.61
4779.36	1810211.21	41993079.18	964.03
4779.37	1810508.41	42011182.78	964.44
4779.38	1810805.62	42029289.35	964.86
4779.39	1811102.83	42047398.89	965.28
4779.40	1811400.04	42065511.41	965.69
4779.41	1811697.25	42083626.89	966.11
4779.42	1811994.46	42101745.35	966.52
4779.43	1812291.67	42119866.78	966.94
4779.44	1812588.88	42137991.19	967.36
4779.45	1812886.09	42156118.56	967.77
4779.46	1813183.30	42174248.91	968.19
4779.47	1813480.52	42192382.23	968.60
4779.48	1813777.75	42210518.52	969.02
4779.49	1814074.99	42228657.78	969.44
4779.50	1814372.25	42246800.02	969.85
4779.51	1814669.51	42264945.23	970.27
4779.52	1814966.79	42283093.41	970.69
4779.53	1815264.08	42301244.56	971.10

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4779.54	1815561.37	42319398.69	971.52
4779.55	1815858.68	42337555.79	971.94
4779.56	1816155.99	42355715.86	972.35
4779.57	1816453.30	42373878.91	972.77
4779.58	1816750.62	42392044.93	973.19
4779.59	1817047.96	42410213.92	973.60
4779.60	1817345.30	42428385.89	974.02
4779.61	1817642.65	42446560.83	974.44
4779.62	1817940.02	42464738.74	974.86
4779.63	1818237.39	42482919.63	975.27
4779.64	1818534.78	42501103.49	975.69
4779.65	1818832.18	42519290.32	976.11
4779.66	1819129.59	42537480.13	976.53
4779.67	1819426.91	42555672.92	976.94
4779.68	1819724.23	42573868.67	977.36
4779.69	1820021.54	42592067.40	977.78
4779.70	1820318.85	42610269.10	978.20
4779.71	1820616.15	42628473.78	978.62
4779.72	1820913.44	42646681.43	979.03
4779.73	1821210.72	42664892.05	979.45
4779.74	1821508.00	42683105.64	979.87
4779.75	1821805.27	42701322.21	980.29
4779.76	1822102.55	42719541.75	980.71
4779.77	1822399.84	42737764.26	981.12
4779.78	1822697.14	42755989.74	981.54
4779.79	1822994.45	42774218.20	981.96
4779.80	1823291.78	42792449.63	982.38
4779.81	1823589.13	42810684.04	982.80
4779.82	1823886.51	42828921.41	983.22
4779.83	1824183.91	42847161.77	983.64
4779.84	1824481.33	42865405.09	984.05
4779.85	1824778.77	42883651.39	984.47
4779.86	1825076.25	42901900.67	984.89
4779.87	1825373.76	42920152.92	985.31
4779.88	1825671.30	42938408.14	985.73
4779.89	1825968.88	42956666.34	986.15
4779.90	1826266.49	42974927.52	986.57
4779.91	1826564.14	42993191.67	986.99
4779.92	1826861.81	43011458.80	987.41
4779.93	1827159.51	43029728.91	987.83
4779.94	1827457.24	43048001.99	988.25
4779.95	1827755.01	43066278.05	988.67
4779.96	1828052.81	43084557.09	989.09
4779.97	1828350.63	43102839.11	989.51
4779.98	1828648.48	43121124.11	989.92
4779.99	1828946.36	43139412.08	990.34

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4780.00	1829244.26	43157703.03	990.76
4780.01	1829542.17	43175996.97	991.18
4780.02	1829840.08	43194293.88	991.60
4780.03	1830138.00	43212593.77	992.02
4780.04	1830435.93	43230896.64	992.44
4780.05	1830733.87	43249202.49	992.87
4780.06	1831031.81	43267511.31	993.29
4780.07	1831329.76	43285823.12	993.71
4780.08	1831627.72	43304137.91	994.13
4780.09	1831925.69	43322455.68	994.55
4780.10	1832223.68	43340776.42	994.97
4780.11	1832521.74	43359100.15	995.39
4780.12	1832819.82	43377426.86	995.81
4780.13	1833118.02	43395756.55	996.23
4780.14	1833416.28	43414089.22	996.65
4780.15	1833714.51	43432424.87	997.07
4780.16	1834012.74	43450763.51	997.49
4780.17	1834310.96	43469105.13	997.91
4780.18	1834609.19	43487449.73	998.33
4780.19	1834907.41	43505797.31	998.76
4780.20	1835205.65	43524147.88	999.18
4780.21	1835503.88	43542501.42	999.60
4780.22	1835802.11	43560857.95	1000.02
4780.23	1836100.35	43579217.47	1000.44
4780.24	1836398.59	43597579.96	1000.86
4780.25	1836696.83	43615945.44	1001.28
4780.26	1836995.07	43634313.90	1001.71
4780.27	1837293.31	43652685.34	1002.13
4780.28	1837591.56	43671059.76	1002.55
4780.29	1837889.80	43689437.17	1002.97
4780.30	1838188.04	43707817.56	1003.39
4780.31	1838486.29	43726200.93	1003.82
4780.32	1838784.54	43744587.29	1004.24
4780.33	1839082.78	43762976.62	1004.66
4780.34	1839381.03	43781368.94	1005.08
4780.35	1839679.29	43799764.24	1005.50
4780.36	1839977.55	43818162.53	1005.93
4780.37	1840275.81	43836563.79	1006.35
4780.38	1840574.08	43854968.04	1006.77
4780.39	1840872.36	43873375.28	1007.19
4780.40	1841170.64	43891785.49	1007.62
4780.41	1841468.93	43910198.69	1008.04
4780.42	1841767.22	43928614.87	1008.46
4780.43	1842065.52	43947034.03	1008.89
4780.44	1842363.82	43965456.18	1009.31
4780.45	1842662.13	43983881.31	1009.73

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RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4780.46	1842960.78	44002309.42	1010.15
4780.47	1843260.29	44020740.53	1010.58
4780.48	1843560.68	44039174.63	1011.00
4780.49	1843861.93	44057611.75	1011.42
4780.50	1844164.06	44076051.88	1011.85
4780.51	1844467.05	44094495.03	1012.27
4780.52	1844770.31	44112941.22	1012.69
4780.53	1845073.44	44131390.44	1013.12
4780.54	1845376.44	44149842.69	1013.54
4780.55	1845679.30	44168297.97	1013.96
4780.56	1845982.01	44186756.27	1014.39
4780.57	1846284.51	44205217.61	1014.81
4780.58	1846586.80	44223681.96	1015.24
4780.59	1846888.87	44242149.34	1015.66
4780.60	1847190.74	44260619.74	1016.08
4780.61	1847492.40	44279093.15	1016.51
4780.62	1847793.88	44297569.59	1016.93
4780.63	1848095.17	44316049.03	1017.36
4780.64	1848396.29	44334531.49	1017.78
4780.65	1848697.22	44353016.96	1018.21
4780.66	1848997.97	44371505.43	1018.63
4780.67	1849298.57	44389996.91	1019.05
4780.68	1849599.01	44408491.40	1019.48
4780.69	1849899.29	44426988.89	1019.90
4780.70	1850199.54	44445489.39	1020.33
4780.71	1850499.82	44463992.88	1020.75
4780.72	1850800.15	44482499.38	1021.18
4780.73	1851100.52	44501008.89	1021.60
4780.74	1851400.93	44519521.39	1022.03
4780.75	1851701.39	44538036.91	1022.45
4780.76	1852001.88	44556555.42	1022.88
4780.77	1852302.40	44575076.94	1023.30
4780.78	1852602.95	44593601.47	1023.73
4780.79	1852903.52	44612129.00	1024.15
4780.80	1853204.11	44630659.54	1024.58
4780.81	1853504.73	44649193.09	1025.00
4780.82	1853805.39	44667729.64	1025.43
4780.83	1854106.10	44686269.19	1025.86
4780.84	1854406.86	44704811.76	1026.28
4780.85	1854707.68	44723357.33	1026.71
4780.86	1855008.56	44741905.91	1027.13
4780.87	1855309.49	44760457.50	1027.56
4780.88	1855610.47	44779012.10	1027.98
4780.89	1855911.51	44797569.71	1028.41
4780.90	1856212.60	44816130.33	1028.84
4780.91	1856513.79	44834693.96	1029.26

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RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4780.92	1856815.14	44853260.61	1029.69
4780.93	1857116.62	44871830.27	1030.12
4780.94	1857418.13	44890402.94	1030.54
4780.95	1857719.66	44908978.63	1030.97
4780.96	1858021.23	44927557.33	1031.39
4780.97	1858322.83	44946139.05	1031.82
4780.98	1858624.47	44964723.79	1032.25
4780.99	1858926.15	44983311.54	1032.67
4781.00	1859227.85	45001902.31	1033.10
4781.01	1859529.49	45020496.10	1033.53
4781.02	1859831.06	45039092.90	1033.96
4781.03	1860132.56	45057692.72	1034.38
4781.04	1860445.34	45076295.61	1034.81
4781.05	1860748.50	45094901.58	1035.24
4781.06	1861051.57	45113510.58	1035.66
4781.07	1861354.56	45132122.61	1036.09
4781.08	1861657.45	45150737.67	1036.52
4781.09	1861960.25	45169355.76	1036.95
4781.10	1862263.10	45187976.88	1037.37
4781.11	1862566.04	45206601.02	1037.80
4781.12	1862869.07	45225228.20	1038.23
4781.13	1863172.20	45243858.40	1038.66
4781.14	1863475.41	45262491.64	1039.08
4781.15	1863778.71	45281127.91	1039.51
4781.16	1864082.09	45299767.22	1039.94
4781.17	1864385.55	45318409.56	1040.37
4781.18	1864689.10	45337054.93	1040.80
4781.19	1864992.73	45355703.34	1041.22
4781.20	1865296.39	45374354.78	1041.65
4781.21	1865599.63	45393009.26	1042.08
4781.22	1865902.31	45411666.77	1042.51
4781.23	1866204.47	45430327.31	1042.94
4781.24	1866506.17	45448990.86	1043.37
4781.25	1866807.49	45467657.43	1043.79
4781.26	1867108.78	45486327.01	1044.22
4781.27	1867410.06	45504999.60	1044.65
4781.28	1867711.34	45523675.21	1045.08
4781.29	1868012.61	45542353.83	1045.51
4781.30	1868313.87	45561035.46	1045.94
4781.31	1868615.13	45579720.11	1046.37
4781.32	1868916.38	45598407.77	1046.80
4781.33	1869217.62	45617098.44	1047.22
4781.34	1869518.90	45635792.12	1047.65
4781.35	1869820.24	45654488.81	1048.08
4781.36	1870121.65	45673188.52	1048.51
4781.37	1870423.13	45691891.25	1048.94

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DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4781.38	1870724.68	45710596.99	1049.37
4781.39	1871026.30	45729305.74	1049.80
4781.40	1871327.99	45748017.51	1050.23
4781.41	1871629.75	45766732.30	1050.66
4781.42	1871931.58	45785450.11	1051.09
4781.43	1872233.48	45804170.93	1051.52
4781.44	1872535.45	45822894.78	1051.95
4781.45	1872837.49	45841621.64	1052.38
4781.46	1873139.59	45860351.53	1052.81
4781.47	1873441.77	45879084.43	1053.24
4781.48	1873744.01	45897820.36	1053.67
4781.49	1874046.33	45916559.32	1054.10
4781.50	1874348.71	45935301.29	1054.53
4781.51	1874651.19	45954046.29	1054.96
4781.52	1874953.76	45972794.31	1055.39
4781.53	1875256.43	45991545.37	1055.82
4781.54	1875559.20	46010299.44	1056.25
4781.55	1875862.07	46029056.55	1056.68
4781.56	1876165.02	46047816.69	1057.11
4781.57	1876468.05	46066579.85	1057.54
4781.58	1876771.16	46085346.05	1057.97
4781.59	1877074.36	46104115.27	1058.40
4781.60	1877377.63	46122887.53	1058.84
4781.61	1877680.99	46141662.83	1059.27
4781.62	1877984.43	46160441.15	1059.70
4781.63	1878287.96	46179222.52	1060.13
4781.64	1878591.57	46198006.91	1060.56
4781.65	1878895.27	46216794.35	1060.99
4781.66	1879199.05	46235584.82	1061.42
4781.67	1879502.89	46254378.33	1061.85
4781.68	1879806.81	46273174.88	1062.29
4781.69	1880110.80	46291974.47	1062.72
4781.70	1880414.87	46310777.09	1063.15
4781.71	1880719.00	46329582.76	1063.58
4781.72	1881023.19	46348391.47	1064.01
4781.73	1881327.43	46367203.23	1064.44
4781.74	1881631.71	46386018.02	1064.88
4781.75	1881936.03	46404835.86	1065.31
4781.76	1882240.38	46423656.74	1065.74
4781.77	1882544.77	46442480.67	1066.17
4781.78	1882849.19	46461307.64	1066.60
4781.79	1883153.65	46480137.65	1067.04
4781.80	1883458.14	46498970.71	1067.47
4781.81	1883762.68	46517806.82	1067.90
4781.82	1884067.26	46536645.97	1068.33
4781.83	1884371.88	46555488.16	1068.77

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4781.84	1884676.54	46574333.40	1069.20
4781.85	1884981.24	46593181.69	1069.63
4781.86	1885285.98	46612033.03	1070.07
4781.87	1885590.75	46630887.41	1070.50
4781.88	1885895.57	46649744.84	1070.93
4781.89	1886200.42	46668605.32	1071.36
4781.90	1886505.31	46687468.85	1071.80
4781.91	1886810.23	46706335.43	1072.23
4781.92	1887115.20	46725205.06	1072.66
4781.93	1887420.22	46744077.73	1073.10
4781.94	1887725.28	46762953.46	1073.53
4781.95	1888030.36	46781832.24	1073.96
4781.96	1888335.47	46800714.07	1074.40
4781.97	1888640.57	46819598.95	1074.83
4781.98	1888945.64	46838486.88	1075.26
4781.99	1889250.70	46857377.86	1075.70
4782.00	1889555.73	46876271.89	1076.13
4782.01	1889860.74	46895168.98	1076.56
4782.02	1890165.73	46914069.11	1077.00
4782.03	1890470.70	46932972.29	1077.43
4782.04	1890775.65	46951878.52	1077.87
4782.05	1891080.60	46970787.80	1078.30
4782.06	1891385.56	46989700.14	1078.74
4782.07	1891690.55	47008615.52	1079.17
4782.08	1891995.55	47027533.95	1079.60
4782.09	1892300.58	47046455.43	1080.04
4782.10	1892605.62	47065379.96	1080.47
4782.11	1892910.69	47084307.54	1080.91
4782.12	1893215.78	47103238.17	1081.34
4782.13	1893520.89	47122171.85	1081.78
4782.14	1893826.01	47141108.59	1082.21
4782.15	1894131.16	47160048.38	1082.65
4782.16	1894436.33	47178991.21	1083.08
4782.17	1894741.53	47197937.10	1083.52
4782.18	1895046.77	47216886.04	1083.95
4782.19	1895352.04	47235838.04	1084.39
4782.20	1895657.34	47254793.08	1084.82
4782.21	1895962.68	47273751.18	1085.26
4782.22	1896268.05	47292712.34	1085.69
4782.23	1896573.45	47311676.55	1086.13
4782.24	1896878.92	47330643.81	1086.56
4782.25	1897184.45	47349614.12	1087.00
4782.26	1897490.03	47368587.50	1087.43
4782.27	1897795.67	47387563.93	1087.87
4782.28	1898101.37	47406543.41	1088.30
4782.29	1898407.13	47425525.95	1088.74

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4782.30	1898712.95	47444511.55	1089.18
4782.31	1899018.83	47463500.21	1089.61
4782.32	1899324.78	47482491.93	1090.05
4782.33	1899630.78	47501486.71	1090.48
4782.34	1899936.87	47520484.55	1090.92
4782.35	1900243.10	47539485.45	1091.36
4782.36	1900549.48	47558489.41	1091.79
4782.37	1900856.00	47577496.44	1092.23
4782.38	1901162.67	47596506.53	1092.67
4782.39	1901469.48	47615519.69	1093.10
4782.40	1901776.48	47634535.92	1093.54
4782.41	1902083.64	47653555.22	1093.98
4782.42	1902390.95	47672577.59	1094.41
4782.43	1902698.47	47691603.04	1094.85
4782.44	1903006.21	47710631.56	1095.29
4782.45	1903314.09	47729663.17	1095.72
4782.46	1903622.09	47748697.85	1096.16
4782.47	1903930.22	47767735.61	1096.60
4782.48	1904238.47	47786776.45	1097.03
4782.49	1904546.78	47805820.38	1097.47
4782.50	1904855.15	47824867.39	1097.91
4782.51	1905163.56	47843917.48	1098.35
4782.52	1905472.02	47862970.66	1098.78
4782.53	1905780.53	47882026.92	1099.22
4782.54	1906089.09	47901086.27	1099.66
4782.55	1906397.71	47920148.70	1100.10
4782.56	1906706.38	47939214.22	1100.53
4782.57	1907015.10	47958282.83	1100.97
4782.58	1907323.87	47977354.53	1101.41
4782.59	1907632.68	47996429.31	1101.85
4782.60	1907941.53	48015507.18	1102.28
4782.61	1908250.44	48034588.14	1102.72
4782.62	1908559.40	48053672.19	1103.16
4782.63	1908868.42	48072759.33	1103.60
4782.64	1909177.48	48091849.56	1104.04
4782.65	1909486.60	48110942.88	1104.48
4782.66	1909795.77	48130039.29	1104.91
4782.67	1910105.00	48149138.79	1105.35
4782.68	1910414.28	48168241.39	1105.79
4782.69	1910723.61	48187347.08	1106.23
4782.70	1911032.99	48206455.86	1106.67
4782.71	1911342.43	48225567.74	1107.11
4782.72	1911651.92	48244682.71	1107.55
4782.73	1911961.47	48263800.78	1107.98
4782.74	1912271.10	48282921.94	1108.42
4782.75	1912580.83	48302046.20	1108.86

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RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4782.76	1912890.66	48321173.56	1109.30
4782.77	1913200.58	48340304.01	1109.74
4782.78	1913510.57	48359437.57	1110.18
4782.79	1913820.62	48378574.23	1110.62
4782.80	1914130.73	48397713.98	1111.06
4782.81	1914440.90	48416856.84	1111.50
4782.82	1914751.13	48436002.80	1111.94
4782.83	1915061.41	48455151.86	1112.38
4782.84	1915371.76	48474304.03	1112.82
4782.85	1915682.05	48493459.30	1113.26
4782.86	1915992.34	48512617.67	1113.70
4782.87	1916302.70	48531779.15	1114.14
4782.88	1916613.10	48550943.72	1114.58
4782.89	1916923.56	48570111.41	1115.02
4782.90	1917234.06	48589282.20	1115.46
4782.91	1917544.57	48608456.09	1115.90
4782.92	1917855.11	48627633.09	1116.34
4782.93	1918165.71	48646813.19	1116.78
4782.94	1918476.37	48665996.40	1117.22
4782.95	1918787.07	48685182.72	1117.66
4782.96	1919097.82	48704372.14	1118.10
4782.97	1919408.62	48723564.68	1118.54
4782.98	1919719.47	48742760.32	1118.98
4782.99	1920030.36	48761959.06	1119.42
4783.00	1920341.31	48781160.92	1119.86
4783.01	1920652.34	48800365.89	1120.30
4783.02	1920963.45	48819573.97	1120.74
4783.03	1921274.67	48838785.16	1121.18
4783.04	1921586.02	48857999.46	1121.63
4783.05	1921897.50	48877216.88	1122.07
4783.06	1922209.10	48896437.42	1122.51
4783.07	1922520.80	48915661.06	1122.95
4783.08	1922832.61	48934887.83	1123.39
4783.09	1923144.52	48954117.72	1123.83
4783.10	1923456.52	48973350.72	1124.27
4783.11	1923768.62	48992586.85	1124.72
4783.12	1924080.81	49011826.10	1125.16
4783.13	1924393.09	49031068.46	1125.60
4783.14	1924705.46	49050313.96	1126.04
4783.15	1925017.81	49069562.57	1126.48
4783.16	1925330.13	49088814.31	1126.92
4783.17	1925642.43	49108069.18	1127.37
4783.18	1925954.69	49127327.16	1127.81
4783.19	1926266.93	49146588.27	1128.25
4783.20	1926579.14	49165852.50	1128.69
4783.21	1926891.32	49185119.85	1129.13

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RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4783.22	1927203.48	49204390.33	1129.58
4783.23	1927515.61	49223663.92	1130.02
4783.24	1927827.71	49242940.64	1130.46
4783.25	1928139.78	49262220.48	1130.90
4783.26	1928451.83	49281503.43	1131.35
4783.27	1928763.85	49300789.51	1131.79
4783.28	1929075.84	49320078.71	1132.23
4783.29	1929387.80	49339371.03	1132.68
4783.30	1929699.74	49358666.47	1133.12
4783.31	1930011.65	49377965.02	1133.56
4783.32	1930323.54	49397266.70	1134.01
4783.33	1930635.40	49416571.49	1134.45
4783.34	1930947.25	49435879.41	1134.89
4783.35	1931259.09	49455190.44	1135.33
4783.36	1931570.92	49474504.59	1135.78
4783.37	1931882.74	49493821.86	1136.22
4783.38	1932194.54	49513142.24	1136.67
4783.39	1932506.31	49532465.75	1137.11
4783.40	1932818.05	49551792.37	1137.55
4783.41	1933129.74	49571122.11	1138.00
4783.42	1933441.37	49590454.96	1138.44
4783.43	1933752.98	49609790.94	1138.88
4783.44	1934064.58	49629130.02	1139.33
4783.45	1934376.20	49648472.23	1139.77
4783.46	1934687.85	49667817.55	1140.22
4783.47	1934999.53	49687165.98	1140.66
4783.48	1935311.25	49706517.54	1141.10
4783.49	1935623.05	49725872.21	1141.55
4783.50	1935934.94	49745230.00	1141.99
4783.51	1936246.90	49764590.91	1142.44
4783.52	1936558.94	49783954.94	1142.88
4783.53	1936871.06	49803322.09	1143.33
4783.54	1937183.24	49822692.36	1143.77
4783.55	1937495.50	49842065.75	1144.22
4783.56	1937807.84	49861442.27	1144.66
4783.57	1938120.25	49880821.91	1145.11
4783.58	1938432.73	49900204.68	1145.55
4783.59	1938745.29	49919590.57	1146.00
4783.60	1939057.92	49938979.58	1146.44
4783.61	1939370.61	49958371.72	1146.89
4783.62	1939683.34	49977766.99	1147.33
4783.63	1939996.00	49997165.39	1147.78
4783.64	1940308.69	50016566.91	1148.22
4783.65	1940621.46	50035971.56	1148.67
4783.66	1940934.28	50055379.34	1149.11
4783.67	1941247.15	50074790.25	1149.56

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RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4783.68	1941560.08	50094204.29	1150.00
4783.69	1941873.08	50113621.45	1150.45
4783.70	1942186.13	50133041.75	1150.90
4783.71	1942499.25	50152465.18	1151.34
4783.72	1942812.43	50171891.73	1151.79
4783.73	1943125.67	50191321.42	1152.23
4783.74	1943438.98	50210754.25	1152.68
4783.75	1943752.35	50230190.20	1153.13
4783.76	1944065.73	50249629.29	1153.57
4783.77	1944378.98	50269071.52	1154.02
4783.78	1944692.10	50288516.87	1154.47
4783.79	1945005.21	50307965.36	1154.91
4783.80	1945318.36	50327416.98	1155.36
4783.81	1945631.57	50346871.73	1155.81
4783.82	1945944.78	50366329.61	1156.25
4783.83	1946258.02	50385790.62	1156.70
4783.84	1946571.27	50405254.77	1157.15
4783.85	1946884.54	50424722.05	1157.59
4783.86	1947197.83	50444192.46	1158.04
4783.87	1947511.13	50463666.01	1158.49
4783.88	1947824.45	50483142.68	1158.93
4783.89	1948137.81	50502622.49	1159.38
4783.90	1948451.26	50522105.44	1159.83
4783.91	1948764.80	50541591.52	1160.28
4783.92	1949078.43	50561080.74	1160.72
4783.93	1949392.14	50580573.09	1161.17
4783.94	1949705.87	50600068.58	1161.62
4783.95	1950019.59	50619567.21	1162.07
4783.96	1950333.30	50639068.97	1162.51
4783.97	1950646.98	50658573.87	1162.96
4783.98	1950960.63	50678081.91	1163.41
4783.99	1951274.27	50697593.08	1163.86
4784.00	1951587.88	50717107.40	1164.30
4784.01	1951901.47	50736624.84	1164.75
4784.02	1952215.05	50756145.42	1165.20
4784.03	1952528.62	50775669.14	1165.65
4784.04	1952842.18	50795196.00	1166.10
4784.05	1953155.67	50814725.99	1166.55
4784.06	1953469.10	50834259.11	1166.99
4784.07	1953782.49	50853795.37	1167.44
4784.08	1954095.83	50873334.76	1167.89
4784.09	1954409.11	50892877.28	1168.34
4784.10	1954722.35	50912422.94	1168.79
4784.11	1955035.54	50931971.73	1169.24
4784.12	1955348.69	50951523.65	1169.69
4784.13	1955661.81	50971078.70	1170.13

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DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4784.14	1955974.91	50990636.89	1170.58
4784.15	1956287.97	51010198.20	1171.03
4784.16	1956601.02	51029762.65	1171.48
4784.17	1956914.04	51049330.22	1171.93
4784.18	1957227.04	51068900.93	1172.38
4784.19	1957540.02	51088474.76	1172.83
4784.20	1957852.99	51108051.73	1173.28
4784.21	1958165.93	51127631.82	1173.73
4784.22	1958478.87	51147215.05	1174.18
4784.23	1958791.80	51166801.40	1174.63
4784.24	1959104.70	51186390.88	1175.08
4784.25	1959417.59	51205983.49	1175.53
4784.26	1959730.45	51225579.23	1175.98
4784.27	1960043.30	51245178.10	1176.43
4784.28	1960356.12	51264780.10	1176.88
4784.29	1960668.91	51284385.23	1177.33
4784.30	1960981.65	51303993.48	1177.78
4784.31	1961294.36	51323604.86	1178.23
4784.32	1961607.03	51343219.37	1178.68
4784.33	1961919.67	51362837.00	1179.13
4784.34	1962232.29	51382457.76	1179.58
4784.35	1962544.94	51402081.64	1180.03
4784.36	1962857.62	51421708.66	1180.48
4784.37	1963170.34	51441338.80	1180.93
4784.38	1963483.10	51460972.06	1181.38
4784.39	1963795.91	51480608.46	1181.83
4784.40	1964108.75	51500247.98	1182.28
4784.41	1964421.64	51519890.63	1182.73
4784.42	1964734.57	51539536.42	1183.18
4784.43	1965047.53	51559185.33	1183.64
4784.44	1965360.54	51578837.37	1184.09
4784.45	1965673.59	51598492.54	1184.54
4784.46	1965986.69	51618150.84	1184.99
4784.47	1966299.82	51637812.27	1185.44
4784.48	1966612.99	51657476.84	1185.89
4784.49	1966926.21	51677144.53	1186.34
4784.50	1967239.47	51696815.36	1186.80
4784.51	1967552.76	51716489.32	1187.25
4784.52	1967866.09	51736166.41	1187.70
4784.53	1968179.45	51755846.64	1188.15
4784.54	1968492.85	51775530.00	1188.60
4784.55	1968806.27	51795216.50	1189.05
4784.56	1969119.71	51814906.13	1189.51
4784.57	1969433.12	51834598.89	1189.96
4784.58	1969746.56	51854294.79	1190.41
4784.59	1970060.01	51873993.82	1190.86

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DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4784.60	1970373.50	51893695.99	1191.32
4784.61	1970687.01	51913401.29	1191.77
4784.62	1971000.54	51933109.73	1192.22
4784.63	1971314.10	51952821.31	1192.67
4784.64	1971627.69	51972536.01	1193.13
4784.65	1971941.30	51992253.86	1193.58
4784.66	1972254.98	52011974.84	1194.03
4784.67	1972568.78	52031698.96	1194.48
4784.68	1972882.64	52051426.22	1194.94
4784.69	1973196.55	52071156.61	1195.39
4784.70	1973510.47	52090890.15	1195.84
4784.71	1973824.41	52110626.82	1196.30
4784.72	1974138.37	52130366.64	1196.75
4784.73	1974452.36	52150109.59	1197.20
4784.74	1974766.38	52169855.68	1197.66
4784.75	1975080.45	52189604.92	1198.11
4784.76	1975394.57	52209357.29	1198.56
4784.77	1975708.73	52229112.81	1199.02
4784.78	1976022.94	52248871.47	1199.47
4784.79	1976337.21	52268633.27	1199.92
4784.80	1976651.54	52288398.21	1200.38
4784.81	1976965.93	52308166.30	1200.83
4784.82	1977280.39	52327937.53	1201.28
4784.83	1977594.92	52347711.91	1201.74
4784.84	1977909.51	52367489.43	1202.19
4784.85	1978224.15	52387270.10	1202.65
4784.86	1978538.83	52407053.91	1203.10
4784.87	1978853.55	52426840.87	1203.55
4784.88	1979168.31	52446630.98	1204.01
4784.89	1979483.10	52466424.24	1204.46
4784.90	1979797.93	52486220.65	1204.92
4784.91	1980112.78	52506020.20	1205.37
4784.92	1980427.63	52525822.90	1205.83
4784.93	1980742.49	52545628.75	1206.28
4784.94	1981057.35	52565437.75	1206.74
4784.95	1981372.22	52585249.90	1207.19
4784.96	1981687.09	52605065.20	1207.65
4784.97	1982001.95	52624883.64	1208.10
4784.98	1982316.81	52644705.23	1208.56
4784.99	1982631.67	52664529.98	1209.01
4785.00	1982946.52	52684357.87	1209.47
4785.01	1983261.35	52704188.91	1209.92
4785.02	1983576.19	52724023.09	1210.38
4785.03	1983891.02	52743860.43	1210.83
4785.04	1984205.84	52763700.92	1211.29
4785.05	1984520.67	52783544.55	1211.74

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DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4785.06	1984835.50	52803391.33	1212.20
4785.07	1985150.31	52823241.26	1212.65
4785.08	1985465.12	52843094.33	1213.11
4785.09	1985779.93	52862950.56	1213.57
4785.10	1986094.73	52882809.93	1214.02
4785.11	1986409.51	52902672.45	1214.48
4785.12	1986724.27	52922538.12	1214.93
4785.13	1987039.02	52942406.94	1215.39
4785.14	1987353.78	52962278.90	1215.85
4785.15	1987668.53	52982154.02	1216.30
4785.16	1987983.30	53002032.27	1216.76
4785.17	1988298.07	53021913.68	1217.22
4785.18	1988612.85	53041798.24	1217.67
4785.19	1988927.69	53061685.94	1218.13
4785.20	1989242.60	53081576.79	1218.59
4785.21	1989557.59	53101470.79	1219.04
4785.22	1989872.67	53121367.94	1219.50
4785.23	1990187.83	53141268.24	1219.96
4785.24	1990503.08	53161171.70	1220.41
4785.25	1990818.42	53181078.31	1220.87
4785.26	1991133.86	53200988.07	1221.33
4785.27	1991449.40	53220900.98	1221.78
4785.28	1991765.03	53240817.06	1222.24
4785.29	1992080.76	53260736.29	1222.70
4785.30	1992396.58	53280658.67	1223.16
4785.31	1992712.50	53300584.22	1223.61
4785.32	1993028.51	53320512.92	1224.07
4785.33	1993344.61	53340444.79	1224.53
4785.34	1993660.77	53360379.81	1224.99
4785.35	1993976.99	53380318.00	1225.44
4785.36	1994293.28	53400259.35	1225.90
4785.37	1994609.63	53420203.87	1226.36
4785.38	1994926.13	53440151.55	1226.82
4785.39	1995243.00	53460102.39	1227.28
4785.40	1995560.26	53480056.41	1227.73
4785.41	1995877.91	53500013.60	1228.19
4785.42	1996195.96	53519973.97	1228.65
4785.43	1996514.40	53539937.52	1229.11
4785.44	1996833.23	53559904.26	1229.57
4785.45	1997152.46	53579874.19	1230.02
4785.46	1997472.07	53599847.31	1230.48
4785.47	1997791.79	53619823.63	1230.94
4785.48	1998111.30	53639803.15	1231.40
4785.49	1998430.61	53659785.86	1231.86
4785.50	1998749.68	53679771.76	1232.32
4785.51	1999068.52	53699760.85	1232.78

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4785.52	1999387.12	53719753.13	1233.24
4785.53	1999705.59	53739748.59	1233.69
4785.54	2000023.95	53759747.24	1234.15
4785.55	2000342.29	53779749.07	1234.61
4785.56	2000660.72	53799754.08	1235.07
4785.57	2000979.18	53819762.28	1235.53
4785.58	2001297.68	53839773.67	1235.99
4785.59	2001616.21	53859788.24	1236.45
4785.60	2001934.76	53879805.99	1236.91
4785.61	2002253.34	53899826.93	1237.37
4785.62	2002571.93	53919851.06	1237.83
4785.63	2002890.53	53939878.37	1238.29
4785.64	2003209.15	53959908.87	1238.75
4785.65	2003527.78	53979942.55	1239.21
4785.66	2003846.44	53999979.42	1239.67
4785.67	2004165.14	54020019.48	1240.13
4785.68	2004483.88	54040062.73	1240.59
4785.69	2004802.67	54060109.16	1241.05
4785.70	2005121.49	54080158.78	1241.51
4785.71	2005440.36	54100211.59	1241.97
4785.72	2005759.28	54120267.59	1242.43
4785.73	2006078.24	54140326.78	1242.89
4785.74	2006397.24	54160389.15	1243.35
4785.75	2006716.28	54180454.72	1243.81
4785.76	2007035.36	54200523.48	1244.27
4785.77	2007354.48	54220595.43	1244.73
4785.78	2007673.63	54240670.57	1245.19
4785.79	2007992.81	54260748.90	1245.66
4785.80	2008311.99	54280830.42	1246.12
4785.81	2008631.19	54300915.14	1246.58
4785.82	2008950.39	54321003.05	1247.04
4785.83	2009269.59	54341094.15	1247.50
4785.84	2009588.81	54361188.44	1247.96
4785.85	2009908.03	54381285.92	1248.42
4785.86	2010227.25	54401386.60	1248.88
4785.87	2010546.48	54421490.47	1249.35
4785.88	2010865.71	54441597.53	1249.81
4785.89	2011184.93	54461707.78	1250.27
4785.90	2011504.16	54481821.23	1250.73
4785.91	2011823.39	54501937.87	1251.19
4785.92	2012142.62	54522057.70	1251.65
4785.93	2012461.85	54542180.72	1252.12
4785.94	2012781.08	54562306.93	1252.58
4785.95	2013100.30	54582436.34	1253.04
4785.96	2013419.52	54602568.94	1253.50
4785.97	2013738.72	54622704.73	1253.96

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RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
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Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4785.98	2014057.92	54642843.71	1254.43
4785.99	2014377.12	54662985.89	1254.89
4786.00	2014696.31	54683131.26	1255.35
4786.01	2015015.50	54703279.82	1255.81
4786.02	2015334.68	54723431.57	1256.28
4786.03	2015653.86	54743586.51	1256.74
4786.04	2015973.05	54763744.64	1257.20
4786.05	2016292.25	54783905.97	1257.67
4786.06	2016611.47	54804070.49	1258.13
4786.07	2016930.71	54824238.20	1258.59
4786.08	2017249.99	54844409.10	1259.05
4786.09	2017569.30	54864583.20	1259.52
4786.10	2017888.65	54884760.49	1259.98
4786.11	2018208.03	54904940.97	1260.44
4786.12	2018527.46	54925124.65	1260.91
4786.13	2018846.93	54945311.52	1261.37
4786.14	2019166.45	54965501.59	1261.83
4786.15	2019486.02	54985694.85	1262.30
4786.16	2019805.65	55005891.31	1262.76
4786.17	2020125.35	55026090.96	1263.23
4786.18	2020445.10	55046293.82	1263.69
4786.19	2020764.91	55066499.87	1264.15
4786.20	2021084.75	55086709.11	1264.62
4786.21	2021404.64	55106921.56	1265.08
4786.22	2021724.57	55127137.21	1265.54
4786.23	2022044.65	55147356.05	1266.01
4786.24	2022365.41	55167578.10	1266.47
4786.25	2022686.42	55187803.36	1266.94
4786.26	2023007.65	55208031.83	1267.40
4786.27	2023329.10	55228263.52	1267.87
4786.28	2023650.77	55248498.42	1268.33
4786.29	2023972.66	55268736.53	1268.80
4786.30	2024294.76	55288977.87	1269.26
4786.31	2024617.06	55309222.43	1269.73
4786.32	2024939.43	55329470.21	1270.19
4786.33	2025261.83	55349721.22	1270.65
4786.34	2025584.24	55369975.45	1271.12
4786.35	2025906.67	55390232.90	1271.58
4786.36	2026229.12	55410493.58	1272.05
4786.37	2026551.61	55430757.49	1272.52
4786.38	2026874.12	55451024.61	1272.98
4786.39	2027196.67	55471294.97	1273.45
4786.40	2027519.25	55491568.55	1273.91
4786.41	2027841.87	55511845.35	1274.38
4786.42	2028164.52	55532125.39	1274.84
4786.43	2028487.21	55552408.64	1275.31

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DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4786.44	2028809.94	55572695.13	1275.77
4786.45	2029132.70	55592984.84	1276.24
4786.46	2029455.50	55613277.78	1276.71
4786.47	2029778.34	55633573.95	1277.17
4786.48	2030101.21	55653873.35	1277.64
4786.49	2030424.12	55674175.98	1278.10
4786.50	2030747.06	55694481.83	1278.57
4786.51	2031070.01	55714790.92	1279.04
4786.52	2031392.98	55735103.23	1279.50
4786.53	2031715.96	55755418.78	1279.97
4786.54	2032038.96	55775737.55	1280.43
4786.55	2032361.96	55796059.56	1280.90
4786.56	2032684.98	55816384.79	1281.37
4786.57	2033008.00	55836713.26	1281.83
4786.58	2033331.02	55857044.95	1282.30
4786.59	2033654.04	55877379.88	1282.77
4786.60	2033977.07	55897718.03	1283.24
4786.61	2034300.16	55918059.42	1283.70
4786.62	2034623.28	55938404.04	1284.17
4786.63	2034946.39	55958751.89	1284.64
4786.64	2035269.51	55979102.96	1285.10
4786.65	2035592.62	55999457.28	1285.57
4786.66	2035915.73	56019814.82	1286.04
4786.67	2036238.85	56040175.59	1286.51
4786.68	2036561.96	56060539.59	1286.97
4786.69	2036885.07	56080906.83	1287.44
4786.70	2037208.19	56101277.30	1287.91
4786.71	2037531.32	56121650.99	1288.38
4786.72	2037854.44	56142027.92	1288.84
4786.73	2038177.57	56162408.08	1289.31
4786.74	2038500.69	56182791.47	1289.78
4786.75	2038823.83	56203178.10	1290.25
4786.76	2039146.98	56223567.95	1290.72
4786.77	2039470.16	56243961.04	1291.18
4786.78	2039793.38	56264357.35	1291.65
4786.79	2040116.65	56284756.90	1292.12
4786.80	2040439.95	56305159.69	1292.59
4786.81	2040763.29	56325565.70	1293.06
4786.82	2041086.67	56345974.95	1293.53
4786.83	2041410.08	56366387.44	1293.99
4786.84	2041733.53	56386803.15	1294.46
4786.85	2042057.02	56407222.11	1294.93
4786.86	2042380.54	56427644.29	1295.40
4786.87	2042704.10	56448069.72	1295.87
4786.88	2043027.69	56468498.38	1296.34
4786.89	2043351.33	56488930.27	1296.81

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DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4786.90	2043675.00	56509365.40	1297.28
4786.91	2043998.72	56529803.77	1297.75
4786.92	2044322.48	56550245.38	1298.21
4786.93	2044646.31	56570690.22	1298.68
4786.94	2044970.19	56591138.30	1299.15
4786.95	2045294.13	56611589.63	1299.62
4786.96	2045618.12	56632044.19	1300.09
4786.97	2045942.18	56652501.99	1300.56
4786.98	2046266.44	56672963.03	1301.03
4786.99	2046591.02	56693427.32	1301.50
4787.00	2046915.93	56713894.85	1301.97
4787.01	2047241.15	56734365.64	1302.44
4787.02	2047566.68	56754839.68	1302.91
4787.03	2047892.54	56775316.97	1303.38
4787.04	2048218.71	56795797.53	1303.85
4787.05	2048545.20	56816281.35	1304.32
4787.06	2048871.91	56836768.44	1304.79
4787.07	2049198.64	56857258.79	1305.26
4787.08	2049525.39	56877752.41	1305.73
4787.09	2049852.15	56898249.30	1306.20
4787.10	2050178.93	56918749.45	1306.67
4787.11	2050505.72	56939252.87	1307.15
4787.12	2050832.52	56959759.57	1307.62
4787.13	2051159.33	56980269.52	1308.09
4787.14	2051486.16	57000782.75	1308.56
4787.15	2051812.99	57021299.25	1309.03
4787.16	2052139.83	57041819.01	1309.50
4787.17	2052466.69	57062342.04	1309.97
4787.18	2052793.55	57082868.35	1310.44
4787.19	2053120.43	57103397.92	1310.91
4787.20	2053447.33	57123930.75	1311.39
4787.21	2053774.26	57144466.86	1311.86
4787.22	2054101.23	57165006.24	1312.33
4787.23	2054428.24	57185548.89	1312.80
4787.24	2054755.27	57206094.80	1313.27
4787.25	2055082.33	57226643.99	1313.74
4787.26	2055409.41	57247196.45	1314.21
4787.27	2055736.52	57267752.18	1314.69
4787.28	2056063.64	57288311.18	1315.16
4787.29	2056390.78	57308873.45	1315.63
4787.30	2056717.94	57329439.00	1316.10
4787.31	2057045.12	57350007.81	1316.58
4787.32	2057372.32	57370579.90	1317.05
4787.33	2057699.54	57391155.26	1317.52
4787.34	2058026.77	57411733.89	1317.99
4787.35	2058354.01	57432315.79	1318.46

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DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4787.36	2058681.27	57452900.97	1318.94
4787.37	2059008.55	57473489.42	1319.41
4787.38	2059335.85	57494081.14	1319.88
4787.39	2059663.17	57514676.14	1320.36
4787.40	2059990.50	57535274.41	1320.83
4787.41	2060317.86	57555875.95	1321.30
4787.42	2060645.24	57576480.76	1321.77
4787.43	2060972.64	57597088.85	1322.25
4787.44	2061300.06	57617700.22	1322.72
4787.45	2061627.49	57638314.85	1323.19
4787.46	2061954.94	57658932.77	1323.67
4787.47	2062282.41	57679553.95	1324.14
4787.48	2062609.89	57700178.41	1324.61
4787.49	2062937.39	57720806.15	1325.09
4787.50	2063264.90	57741437.16	1325.56
4787.51	2063592.44	57762071.45	1326.03
4787.52	2063920.01	57782709.01	1326.51
4787.53	2064247.64	57803349.85	1326.98
4787.54	2064575.32	57823993.96	1327.46
4787.55	2064903.06	57844641.35	1327.93
4787.56	2065230.85	57865292.02	1328.40
4787.57	2065558.70	57885945.97	1328.88
4787.58	2065886.59	57906603.20	1329.35
4787.59	2066214.49	57927263.70	1329.83
4787.60	2066542.41	57947927.49	1330.30
4787.61	2066870.35	57968594.55	1330.78
4787.62	2067198.31	57989264.90	1331.25
4787.63	2067526.28	58009938.52	1331.72
4787.64	2067854.26	58030615.42	1332.20
4787.65	2068182.26	58051295.60	1332.67
4787.66	2068510.26	58071979.07	1333.15
4787.67	2068838.29	58092665.81	1333.62
4787.68	2069166.32	58113355.83	1334.10
4787.69	2069494.36	58134049.14	1334.57
4787.70	2069822.42	58154745.72	1335.05
4787.71	2070150.50	58175445.58	1335.52
4787.72	2070478.59	58196148.73	1336.00
4787.73	2070806.70	58216855.16	1336.48
4787.74	2071134.83	58237564.86	1336.95
4787.75	2071462.97	58258277.85	1337.43
4787.76	2071791.14	58278994.12	1337.90
4787.77	2072119.36	58299713.68	1338.38
4787.78	2072447.71	58320436.51	1338.85
4787.79	2072776.19	58341162.63	1339.33
4787.80	2073104.72	58361892.03	1339.80
4787.81	2073433.26	58382624.72	1340.28

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Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4787.82	2073761.83	58403360.70	1340.76
4787.83	2074090.41	58424099.96	1341.23
4787.84	2074419.02	58444842.51	1341.71
4787.85	2074747.65	58465588.34	1342.19
4787.86	2075076.30	58486337.46	1342.66
4787.87	2075405.01	58507089.87	1343.14
4787.88	2075733.77	58527845.56	1343.61
4787.89	2076062.59	58548604.54	1344.09
4787.90	2076391.44	58569366.81	1344.57
4787.91	2076720.31	58590132.37	1345.04
4787.92	2077049.19	58610901.22	1345.52
4787.93	2077378.08	58631673.36	1346.00
4787.94	2077706.99	58652448.78	1346.47
4787.95	2078035.91	58673227.50	1346.95
4787.96	2078364.84	58694009.50	1347.43
4787.97	2078693.79	58714794.79	1347.91
4787.98	2079022.75	58735583.38	1348.38
4787.99	2079351.73	58756375.25	1348.86
4788.00	2079680.72	58777170.41	1349.34
4788.01	2080009.74	58797968.86	1349.82
4788.02	2080338.77	58818770.60	1350.29
4788.03	2080667.84	58839575.64	1350.77
4788.04	2080996.93	58860383.96	1351.25
4788.05	2081326.06	58881195.58	1351.73
4788.06	2081655.22	58902010.48	1352.20
4788.07	2081984.41	58922828.68	1352.68
4788.08	2082313.63	58943650.17	1353.16
4788.09	2082642.88	58964474.95	1353.64
4788.10	2082972.17	58985303.03	1354.12
4788.11	2083301.48	59006134.40	1354.59
4788.12	2083630.82	59026969.06	1355.07
4788.13	2083960.20	59047807.01	1355.55
4788.14	2084289.61	59068648.26	1356.03
4788.15	2084619.05	59089492.81	1356.51
4788.16	2084948.51	59110340.64	1356.99
4788.17	2085278.01	59131191.78	1357.47
4788.18	2085607.55	59152046.20	1357.94
4788.19	2085937.12	59172903.93	1358.42
4788.20	2086266.75	59193764.95	1358.90
4788.21	2086596.44	59214629.26	1359.38
4788.22	2086926.16	59235496.88	1359.86
4788.23	2087255.90	59256367.79	1360.34
4788.24	2087585.70	59277241.99	1360.82
4788.25	2087915.55	59298119.50	1361.30
4788.26	2088245.46	59319000.31	1361.78
4788.27	2088575.42	59339884.41	1362.26

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Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4788.28	2088905.46	59360771.81	1362.74
4788.29	2089235.56	59381662.52	1363.22
4788.30	2089565.74	59402556.53	1363.70
4788.31	2089895.99	59423453.83	1364.17
4788.32	2090226.31	59444354.45	1364.65
4788.33	2090556.70	59465258.36	1365.13
4788.34	2090887.17	59486165.58	1365.61
4788.35	2091217.72	59507076.10	1366.09
4788.36	2091548.34	59527989.94	1366.57
4788.37	2091879.04	59548907.07	1367.05
4788.38	2092209.81	59569827.52	1367.54
4788.39	2092540.66	59590751.27	1368.02
4788.40	2092871.57	59611678.33	1368.50
4788.41	2093202.54	59632608.70	1368.98
4788.42	2093533.58	59653542.38	1369.46
4788.43	2093864.66	59674479.37	1369.94
4788.44	2094195.80	59695419.67	1370.42
4788.45	2094526.99	59716363.29	1370.90
4788.46	2094858.22	59737310.21	1371.38
4788.47	2095189.49	59758260.45	1371.86
4788.48	2095520.77	59779214.00	1372.34
4788.49	2095852.07	59800170.87	1372.82
4788.50	2096183.38	59821131.05	1373.30
4788.51	2096514.71	59842094.54	1373.79
4788.52	2096846.04	59863061.34	1374.27
4788.53	2097177.39	59884031.46	1374.75
4788.54	2097508.75	59905004.89	1375.23
4788.55	2097840.13	59925981.63	1375.71
4788.56	2098171.52	59946961.69	1376.19
4788.57	2098502.94	59967945.06	1376.67
4788.58	2098834.38	59988931.75	1377.16
4788.59	2099165.83	60009921.75	1377.64
4788.60	2099497.28	60030915.07	1378.12
4788.61	2099828.71	60051911.70	1378.60
4788.62	2100160.13	60072911.64	1379.08
4788.63	2100491.54	60093914.90	1379.57
4788.64	2100822.93	60114921.47	1380.05
4788.65	2101154.30	60135931.36	1380.53
4788.66	2101485.65	60156944.56	1381.01
4788.67	2101816.97	60177961.07	1381.50
4788.68	2102148.27	60198980.90	1381.98
4788.69	2102479.54	60220004.03	1382.46
4788.70	2102810.80	60241030.49	1382.94
4788.71	2103142.05	60262060.25	1383.43
4788.72	2103473.28	60283093.33	1383.91
4788.73	2103804.49	60304129.72	1384.39

TABLE I
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WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4788.74	2104135.69	60325169.42	1384.88
4788.75	2104466.87	60346212.43	1385.36
4788.76	2104798.04	60367258.75	1385.84
4788.77	2105129.18	60388308.39	1386.32
4788.78	2105460.25	60409361.34	1386.81
4788.79	2105791.29	60430417.59	1387.29
4788.80	2106122.29	60451477.16	1387.77
4788.81	2106453.26	60472540.04	1388.26
4788.82	2106784.20	60493606.23	1388.74
4788.83	2107115.11	60514675.72	1389.23
4788.84	2107445.99	60535748.53	1389.71
4788.85	2107776.84	60556824.64	1390.19
4788.86	2108107.67	60577904.07	1390.68
4788.87	2108438.48	60598986.80	1391.16
4788.88	2108769.27	60620072.84	1391.65
4788.89	2109100.04	60641162.18	1392.13
4788.90	2109430.79	60662254.84	1392.61
4788.91	2109761.52	60683350.80	1393.10
4788.92	2110092.24	60704450.07	1393.58
4788.93	2110422.94	60725552.64	1394.07
4788.94	2110753.65	60746658.53	1394.55
4788.95	2111084.35	60767767.72	1395.04
4788.96	2111415.01	60788880.21	1395.52
4788.97	2111745.68	60809996.02	1396.01
4788.98	2112076.38	60831115.13	1396.49
4788.99	2112407.08	60852237.54	1396.98
4789.00	2112737.81	60873363.27	1397.46
4789.01	2113068.54	60894492.30	1397.95
4789.02	2113399.28	60915624.64	1398.43
4789.03	2113730.00	60936760.28	1398.92
4789.04	2114060.70	60957899.24	1399.40
4789.05	2114391.43	60979041.50	1399.89
4789.06	2114722.21	61000187.07	1400.37
4789.07	2115053.03	61021335.94	1400.86
4789.08	2115383.89	61042488.13	1401.34
4789.09	2115714.77	61063643.62	1401.83
4789.10	2116045.68	61084802.42	1402.31
4789.11	2116376.62	61105964.53	1402.80
4789.12	2116707.57	61127129.96	1403.29
4789.13	2117038.56	61148298.69	1403.77
4789.14	2117369.56	61169470.73	1404.26
4789.15	2117700.60	61190646.08	1404.74
4789.16	2118031.61	61211824.74	1405.23
4789.17	2118362.56	61233006.71	1405.72
4789.18	2118693.46	61254191.99	1406.20
4789.19	2119024.32	61275380.58	1406.69

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DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4789.20	2119355.12	61296572.48	1407.18
4789.21	2119685.88	61317767.68	1407.66
4789.22	2120016.58	61338966.19	1408.15
4789.23	2120347.22	61360168.01	1408.64
4789.24	2120677.81	61381373.14	1409.12
4789.25	2121008.34	61402581.57	1409.61
4789.26	2121338.83	61423793.30	1410.10
4789.27	2121669.30	61445008.34	1410.58
4789.28	2121999.73	61466226.69	1411.07
4789.29	2122330.12	61487448.34	1411.56
4789.30	2122660.48	61508673.29	1412.04
4789.31	2122990.80	61529901.55	1412.53
4789.32	2123321.08	61551133.11	1413.02
4789.33	2123651.32	61572367.97	1413.51
4789.34	2123981.53	61593606.13	1413.99
4789.35	2124311.69	61614847.60	1414.48
4789.36	2124641.82	61636092.37	1414.97
4789.37	2124971.90	61657340.44	1415.46
4789.38	2125301.93	61678591.80	1415.95
4789.39	2125631.84	61699846.47	1416.43
4789.40	2125961.61	61721104.44	1416.92
4789.41	2126291.26	61742365.70	1417.41
4789.42	2126620.83	61763630.27	1417.90
4789.43	2126950.31	61784898.12	1418.39
4789.44	2127279.72	61806169.27	1418.87
4789.45	2127609.08	61827443.72	1419.36
4789.46	2127938.43	61848721.45	1419.85
4789.47	2128267.78	61870002.48	1420.34
4789.48	2128597.13	61891286.81	1420.83
4789.49	2128926.48	61912574.43	1421.32
4789.50	2129255.82	61933865.34	1421.81
4789.51	2129585.16	61955159.54	1422.29
4789.52	2129914.48	61976457.04	1422.78
4789.53	2130243.78	61997757.83	1423.27
4789.54	2130573.06	62019061.92	1423.76
4789.55	2130902.31	62040369.29	1424.25
4789.56	2131231.55	62061679.96	1424.74
4789.57	2131560.76	62082993.92	1425.23
4789.58	2131889.95	62104311.18	1425.72
4789.59	2132219.11	62125631.72	1426.21
4789.60	2132548.26	62146955.56	1426.70
4789.61	2132877.38	62168282.69	1427.19
4789.62	2133206.49	62189613.11	1427.68
4789.63	2133535.58	62210946.82	1428.17
4789.64	2133871.84	62232283.85	1428.66
4789.65	2134200.02	62253624.21	1429.15

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WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4789.66	2134528.14	62274967.85	1429.64
4789.67	2134856.21	62296314.78	1430.13
4789.68	2135184.23	62317664.98	1430.62
4789.69	2135512.19	62339018.46	1431.11
4789.70	2135840.11	62360375.22	1431.60
4789.71	2136168.00	62381735.26	1432.09
4789.72	2136495.90	62403098.58	1432.58
4789.73	2136823.81	62424465.18	1433.07
4789.74	2137151.75	62445835.06	1433.56
4789.75	2137479.71	62467208.22	1434.05
4789.76	2137807.69	62488584.65	1434.54
4789.77	2138135.68	62509964.37	1435.03
4789.78	2138463.68	62531347.37	1435.52
4789.79	2138791.69	62552733.64	1436.01
4789.80	2139119.70	62574123.20	1436.50
4789.81	2139447.72	62595516.04	1437.00
4789.82	2139775.73	62616912.15	1437.49
4789.83	2140103.74	62638311.55	1437.98
4789.84	2140431.75	62659714.23	1438.47
4789.85	2140759.77	62681120.19	1438.96
4789.86	2141087.78	62702529.42	1439.45
4789.87	2141415.80	62723941.94	1439.94
4789.88	2141743.89	62745357.74	1440.44
4789.89	2142072.08	62766776.82	1440.93
4789.90	2142400.28	62788199.18	1441.42
4789.91	2142728.47	62809624.83	1441.91
4789.92	2143056.68	62831053.75	1442.40
4789.93	2143384.88	62852485.96	1442.89
4789.94	2143713.08	62873921.45	1443.39
4789.95	2144041.29	62895360.22	1443.88
4789.96	2144369.49	62916802.27	1444.37
4789.97	2144697.75	62938247.61	1444.86
4789.98	2145026.10	62959696.23	1445.36
4789.99	2145354.54	62981148.13	1445.85
4790.00	2145683.06	63002603.32	1446.34
4790.01	2146011.67	63024061.80	1446.83
4790.02	2146340.37	63045523.56	1447.33
4790.03	2146669.15	63066988.60	1447.82
4790.04	2146998.01	63088456.94	1448.31
4790.05	2147326.94	63109928.56	1448.80
4790.06	2147655.93	63131403.48	1449.30
4790.07	2147984.99	63152881.68	1449.79
4790.08	2148314.11	63174363.18	1450.28
4790.09	2148643.29	63195847.96	1450.78
4790.10	2148972.54	63217336.04	1451.27
4790.11	2149301.85	63238827.42	1451.76

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WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4790.12	2149631.22	63260322.08	1452.26
4790.13	2149960.67	63281820.04	1452.75
4790.14	2150290.20	63303321.30	1453.24
4790.15	2150619.79	63324825.84	1453.74
4790.16	2150949.46	63346333.69	1454.23
4790.17	2151279.19	63367844.83	1454.73
4790.18	2151609.00	63389359.28	1455.22
4790.19	2151938.87	63410877.01	1455.71
4790.20	2152268.82	63432398.05	1456.21
4790.21	2152598.83	63453922.39	1456.70
4790.22	2152928.85	63475450.03	1457.20
4790.23	2153258.88	63496980.97	1457.69
4790.24	2153588.92	63518515.21	1458.18
4790.25	2153918.99	63540052.75	1458.68
4790.26	2154249.08	63561593.59	1459.17
4790.27	2154579.22	63583137.73	1459.67
4790.28	2154909.40	63604685.17	1460.16
4790.29	2155239.64	63626235.92	1460.66
4790.30	2155569.93	63647789.96	1461.15
4790.31	2155900.26	63669347.32	1461.65
4790.32	2156230.65	63690907.97	1462.14
4790.33	2156561.08	63712471.93	1462.64
4790.34	2156891.56	63734039.19	1463.13
4790.35	2157222.10	63755609.76	1463.63
4790.36	2157552.68	63777183.63	1464.12
4790.37	2157883.31	63798760.81	1464.62
4790.38	2158213.99	63820341.30	1465.11
4790.39	2158544.72	63841925.09	1465.61
4790.40	2158875.50	63863512.20	1466.10
4790.41	2159206.37	63885102.60	1466.60
4790.42	2159537.38	63906696.32	1467.10
4790.43	2159868.52	63928293.35	1467.59
4790.44	2160199.80	63949893.69	1468.09
4790.45	2160531.17	63971497.35	1468.58
4790.46	2160862.58	63993104.32	1469.08
4790.47	2161194.04	64014714.60	1469.58
4790.48	2161525.52	64036328.20	1470.07
4790.49	2161857.03	64057945.11	1470.57
4790.50	2162188.56	64079565.34	1471.06
4790.51	2162520.11	64101188.88	1471.56
4790.52	2162851.68	64122815.74	1472.06
4790.53	2163183.27	64144445.92	1472.55
4790.54	2163514.86	64166079.41	1473.05
4790.55	2163846.45	64187716.21	1473.55
4790.56	2164178.13	64209356.34	1474.04
4790.57	2164509.97	64230999.78	1474.54

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DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4790.58	2164841.97	64252646.54	1475.04
4790.59	2165174.12	64274296.62	1475.53
4790.60	2165506.32	64295950.02	1476.03
4790.61	2165838.51	64317606.74	1476.53
4790.62	2166170.69	64339266.79	1477.03
4790.63	2166502.86	64360930.16	1477.52
4790.64	2166835.01	64382596.85	1478.02
4790.65	2167167.16	64404266.86	1478.52
4790.66	2167499.28	64425940.19	1479.02
4790.67	2167831.40	64447616.84	1479.51
4790.68	2168176.73	64469296.88	1480.01
4790.69	2168507.71	64490980.31	1480.51
4790.70	2168838.68	64512667.04	1481.01
4790.71	2169169.65	64534357.08	1481.50
4790.72	2169500.60	64556050.43	1482.00
4790.73	2169831.55	64577747.09	1482.50
4790.74	2170162.48	64599447.06	1483.00
4790.75	2170493.41	64621150.34	1483.50
4790.76	2170824.32	64642856.93	1484.00
4790.77	2171155.21	64664566.83	1484.49
4790.78	2171486.07	64686280.03	1484.99
4790.79	2171816.92	64707996.55	1485.49
4790.80	2172147.75	64729716.37	1485.99
4790.81	2172478.56	64751439.50	1486.49
4790.82	2172809.35	64773165.94	1486.99
4790.83	2173140.12	64794895.69	1487.49
4790.84	2173470.87	64816628.75	1487.99
4790.85	2173801.60	64838365.11	1488.48
4790.86	2174132.32	64860104.78	1488.98
4790.87	2174463.03	64881847.75	1489.48
4790.88	2174793.72	64903594.04	1489.98
4790.89	2175124.42	64925343.63	1490.48
4790.90	2175455.10	64947096.53	1490.98
4790.91	2175785.78	64968852.73	1491.48
4790.92	2176116.45	64990612.24	1491.98
4790.93	2176447.12	65012375.06	1492.48
4790.94	2176777.78	65034141.18	1492.98
4790.95	2177108.42	65055910.61	1493.48
4790.96	2177439.02	65077683.35	1493.98
4790.97	2177769.60	65099459.39	1494.48
4790.98	2178100.18	65121238.74	1494.98
4790.99	2178430.74	65143021.40	1495.48
4791.00	2178761.29	65164807.36	1495.98
4791.01	2179091.83	65186596.62	1496.48
4791.02	2179422.36	65208389.19	1496.98
4791.03	2179752.87	65230185.07	1497.48

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WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4791.04	2180083.38	65251984.25	1497.98
4791.05	2180413.87	65273786.74	1498.48
4791.06	2180744.37	65295592.53	1498.98
4791.07	2181074.86	65317401.63	1499.48
4791.08	2181405.34	65339214.03	1499.98
4791.09	2181735.80	65361029.73	1500.48
4791.10	2182066.26	65382848.74	1500.98
4791.11	2182396.69	65404671.06	1501.48
4791.12	2182727.11	65426496.68	1501.99
4791.13	2183057.51	65448325.60	1502.49
4791.14	2183387.88	65470157.83	1502.99
4791.15	2183718.23	65491993.36	1503.49
4791.16	2184048.56	65513832.19	1503.99
4791.17	2184378.86	65535674.33	1504.49
4791.18	2184709.14	65557519.77	1504.99
4791.19	2185039.40	65579368.51	1505.50
4791.20	2185369.63	65601220.56	1506.00
4791.21	2185699.84	65623075.90	1506.50
4791.22	2186030.02	65644934.55	1507.00
4791.23	2186360.18	65666796.50	1507.50
4791.24	2186690.32	65688661.76	1508.00
4791.25	2187020.42	65710530.31	1508.51
4791.26	2187350.49	65732402.16	1509.01
4791.27	2187680.54	65754277.32	1509.51
4791.28	2188010.55	65776155.77	1510.01
4791.29	2188340.54	65798037.53	1510.52
4791.30	2188670.50	65819922.58	1511.02
4791.31	2189000.43	65841810.94	1511.52
4791.32	2189330.32	65863702.59	1512.02
4791.33	2189660.18	65885597.55	1512.53
4791.34	2189990.02	65907495.80	1513.03
4791.35	2190319.83	65929397.35	1513.53
4791.36	2190649.64	65951302.19	1514.03
4791.37	2190979.44	65973210.34	1514.54
4791.38	2191309.25	65995121.78	1515.04
4791.39	2191639.06	66017036.52	1515.54
4791.40	2191968.87	66038954.56	1516.05
4791.41	2192298.69	66060875.90	1516.55
4791.42	2192628.51	66082800.54	1517.05
4791.43	2192958.33	66104728.47	1517.56
4791.44	2193288.16	66126659.70	1518.06
4791.45	2193617.98	66148594.23	1518.56
4791.46	2193947.82	66170532.06	1519.07
4791.47	2194277.65	66192473.19	1519.57
4791.48	2194607.50	66214417.62	1520.07
4791.49	2194937.36	66236365.34	1520.58

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Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4791.50	2195267.23	66258316.36	1521.08
4791.51	2195597.11	66280270.69	1521.59
4791.52	2195927.01	66302228.31	1522.09
4791.53	2196256.92	66324189.23	1522.59
4791.54	2196586.85	66346153.44	1523.10
4791.55	2196916.79	66368120.96	1523.60
4791.56	2197246.75	66390091.78	1524.11
4791.57	2197576.73	66412065.90	1524.61
4791.58	2197906.75	66434043.31	1525.12
4791.59	2198236.82	66456024.03	1525.62
4791.60	2198566.93	66478008.05	1526.13
4791.61	2198897.07	66499995.37	1526.63
4791.62	2199227.26	66521985.99	1527.13
4791.63	2199557.47	66543979.92	1527.64
4791.64	2199887.71	66565977.14	1528.14
4791.65	2200217.98	66587977.67	1528.65
4791.66	2200548.27	66609981.50	1529.15
4791.67	2200878.58	66631988.64	1529.66
4791.68	2201208.90	66653999.07	1530.17
4791.69	2201539.24	66676012.81	1530.67
4791.70	2201869.60	66698029.86	1531.18
4791.71	2202199.99	66720050.21	1531.68
4791.72	2202530.40	66742073.86	1532.19
4791.73	2202860.83	66764100.81	1532.69
4791.74	2203191.29	66786131.08	1533.20
4791.75	2203521.77	66808164.64	1533.70
4791.76	2203852.29	66830201.51	1534.21
4791.77	2204182.82	66852241.69	1534.72
4791.78	2204513.39	66874285.17	1535.22
4791.79	2204843.99	66896331.95	1535.73
4791.80	2205174.66	66918382.05	1536.23
4791.81	2205505.65	66940435.45	1536.74
4791.82	2205837.17	66962492.16	1537.25
4791.83	2206168.98	66984552.19	1537.75
4791.84	2206500.92	67006615.54	1538.26
4791.85	2206833.01	67028682.21	1538.77
4791.86	2207165.22	67050752.20	1539.27
4791.87	2207497.51	67072825.52	1539.78
4791.88	2207829.87	67094902.15	1540.29
4791.89	2208162.32	67116982.12	1540.79
4791.90	2208494.87	67139065.40	1541.30
4791.91	2208827.53	67161152.01	1541.81
4791.92	2209160.30	67183241.95	1542.32
4791.93	2209493.18	67205335.22	1542.82
4791.94	2209826.20	67227431.82	1543.33
4791.95	2210159.38	67249531.74	1543.84

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4791.96	2210492.73	67271635.00	1544.34
4791.97	2210826.25	67293741.60	1544.85
4791.98	2211159.94	67315851.53	1545.36
4791.99	2211493.71	67337964.80	1545.87
4792.00	2211827.52	67360081.41	1546.37
4792.01	2212161.34	67382201.35	1546.88
4792.02	2212495.12	67404324.63	1547.39
4792.03	2212828.87	67426451.25	1547.90
4792.04	2213162.58	67448581.21	1548.41
4792.05	2213496.27	67470714.50	1548.91
4792.06	2213829.90	67492851.13	1549.42
4792.07	2214163.50	67514991.10	1549.93
4792.08	2214497.12	67537134.40	1550.44
4792.09	2214830.75	67559281.04	1550.95
4792.10	2215164.39	67581431.02	1551.46
4792.11	2215498.04	67603584.33	1551.96
4792.12	2215831.71	67625740.98	1552.47
4792.13	2216165.43	67647900.97	1552.98
4792.14	2216499.23	67670064.29	1553.49
4792.15	2216833.08	67692230.95	1554.00
4792.16	2217166.99	67714400.95	1554.51
4792.17	2217500.99	67736574.29	1555.02
4792.18	2217835.08	67758750.97	1555.53
4792.19	2218169.25	67780930.99	1556.04
4792.20	2218503.50	67803114.36	1556.55
4792.21	2218837.84	67825301.06	1557.05
4792.22	2219172.24	67847491.11	1557.56
4792.23	2219506.73	67869684.51	1558.07
4792.24	2219841.27	67891881.25	1558.58
4792.25	2220175.87	67914081.33	1559.09
4792.26	2220510.52	67936284.77	1559.60
4792.27	2220845.21	67958491.54	1560.11
4792.28	2221179.96	67980701.67	1560.62
4792.29	2221514.77	68002915.14	1561.13
4792.30	2221849.61	68025131.97	1561.64
4792.31	2222184.51	68047352.14	1562.15
4792.32	2222519.45	68069575.66	1562.66
4792.33	2222854.44	68091802.53	1563.17
4792.34	2223189.48	68114032.75	1563.68
4792.35	2223524.57	68136266.32	1564.19
4792.36	2223859.72	68158503.24	1564.70
4792.37	2224194.93	68180743.51	1565.21
4792.38	2224530.19	68202987.14	1565.73
4792.39	2224865.50	68225234.11	1566.24
4792.40	2225200.79	68247484.45	1566.75
4792.41	2225536.07	68269738.13	1567.26

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WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4792.42	2225871.33	68291995.17	1567.77
4792.43	2226206.57	68314255.56	1568.28
4792.44	2226541.79	68336519.30	1568.79
4792.45	2226876.99	68358786.39	1569.30
4792.46	2227212.17	68381056.84	1569.81
4792.47	2227547.34	68403330.64	1570.32
4792.48	2227882.48	68425607.78	1570.84
4792.49	2228217.61	68447888.28	1571.35
4792.50	2228552.76	68470172.14	1571.86
4792.51	2228887.95	68492459.34	1572.37
4792.52	2229223.17	68514749.90	1572.88
4792.53	2229558.42	68537043.80	1573.39
4792.54	2229893.69	68559341.06	1573.91
4792.55	2230228.98	68581641.68	1574.42
4792.56	2230564.28	68603945.64	1574.93
4792.57	2230899.59	68626252.96	1575.44
4792.58	2231234.91	68648563.64	1575.95
4792.59	2231570.21	68670877.66	1576.47
4792.60	2231905.49	68693195.04	1576.98
4792.61	2232240.75	68715515.77	1577.49
4792.62	2232575.98	68737839.85	1578.00
4792.63	2232911.19	68760167.29	1578.52
4792.64	2233246.38	68782498.08	1579.03
4792.65	2233581.55	68804832.22	1579.54
4792.66	2233916.69	68827169.71	1580.05
4792.67	2234251.81	68849510.55	1580.57
4792.68	2234586.92	68871854.74	1581.08
4792.69	2234922.02	68894202.29	1581.59
4792.70	2235257.69	68916553.19	1582.11
4792.71	2235595.61	68938907.45	1582.62
4792.72	2235934.19	68961265.10	1583.13
4792.73	2236272.59	68983626.14	1583.65
4792.74	2236610.84	69005990.55	1584.16
4792.75	2236948.92	69028358.35	1584.67
4792.76	2237286.83	69050729.53	1585.19
4792.77	2237624.59	69073104.09	1585.70
4792.78	2237962.19	69095482.02	1586.21
4792.79	2238299.63	69117863.33	1586.73
4792.80	2238636.93	69140248.01	1587.24
4792.81	2238974.09	69162636.07	1587.76
4792.82	2239311.11	69185027.50	1588.27
4792.83	2239647.99	69207422.29	1588.78
4792.84	2239984.74	69229820.45	1589.30
4792.85	2240321.34	69252221.99	1589.81
4792.86	2240657.79	69274626.88	1590.33
4792.87	2240994.10	69297035.14	1590.84

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DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4792.88	2241330.25	69319446.76	1591.36
4792.89	2241666.27	69341861.74	1591.87
4792.90	2242002.14	69364280.09	1592.38
4792.91	2242337.88	69386701.79	1592.90
4792.92	2242673.47	69409126.84	1593.41
4792.93	2243008.95	69431555.26	1593.93
4792.94	2243344.50	69453987.02	1594.44
4792.95	2243680.15	69476422.15	1594.96
4792.96	2244015.88	69498860.63	1595.47
4792.97	2244351.73	69521302.46	1595.99
4792.98	2244687.73	69543747.66	1596.50
4792.99	2245023.88	69566196.22	1597.02
4793.00	2245360.10	69588648.14	1597.54
4793.01	2245696.37	69611103.42	1598.05
4793.02	2246032.71	69633562.07	1598.57
4793.03	2246369.10	69656024.08	1599.08
4793.04	2246705.54	69678489.45	1599.60
4793.05	2247042.02	69700958.19	1600.11
4793.06	2247378.53	69723430.29	1600.63
4793.07	2247715.07	69745905.76	1601.15
4793.08	2248051.64	69768384.59	1601.66
4793.09	2248388.24	69790866.79	1602.18
4793.10	2248724.88	69813352.36	1602.69
4793.11	2249061.55	69835841.29	1603.21
4793.12	2249398.25	69858333.59	1603.73
4793.13	2249734.99	69880829.25	1604.24
4793.14	2250071.76	69903328.29	1604.76
4793.15	2250408.57	69925830.69	1605.28
4793.16	2250745.41	69948336.46	1605.79
4793.17	2251082.29	69970845.60	1606.31
4793.18	2251419.22	69993358.10	1606.83
4793.19	2251756.18	70015873.98	1607.34
4793.20	2252093.19	70038393.23	1607.86
4793.21	2252430.25	70060915.85	1608.38
4793.22	2252767.36	70083441.83	1608.89
4793.23	2253104.52	70105971.19	1609.41
4793.24	2253441.73	70128503.92	1609.93
4793.25	2253778.98	70151040.03	1610.45
4793.26	2254116.27	70173579.50	1610.96
4793.27	2254453.61	70196122.35	1611.48
4793.28	2254790.99	70218668.58	1612.00
4793.29	2255128.39	70241218.17	1612.52
4793.30	2255465.74	70263771.14	1613.03
4793.31	2255801.25	70286327.48	1613.55
4793.32	2256136.60	70308887.17	1614.07
4793.33	2256471.93	70331450.21	1614.59

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DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4793.34	2256807.25	70354016.61	1615.11
4793.35	2257142.55	70376586.36	1615.62
4793.36	2257477.83	70399159.46	1616.14
4793.37	2257813.08	70421735.91	1616.66
4793.38	2258148.29	70444315.72	1617.18
4793.39	2258483.49	70466898.88	1617.70
4793.40	2258818.67	70489485.39	1618.22
4793.41	2259153.84	70512075.25	1618.73
4793.42	2259489.00	70534668.47	1619.25
4793.43	2259824.15	70557265.03	1619.77
4793.44	2260159.28	70579864.95	1620.29
4793.45	2260494.39	70602468.22	1620.81
4793.46	2260829.47	70625074.84	1621.33
4793.47	2261164.54	70647684.81	1621.85
4793.48	2261499.63	70670298.13	1622.37
4793.49	2261834.72	70692914.80	1622.89
4793.50	2262169.82	70715534.82	1623.41
4793.51	2262504.94	70738158.19	1623.92
4793.52	2262840.05	70760784.92	1624.44
4793.53	2263175.20	70783415.00	1624.96
4793.54	2263510.37	70806048.42	1625.48
4793.55	2263845.62	70828685.20	1626.00
4793.56	2264180.96	70851325.34	1626.52
4793.57	2264516.37	70873968.82	1627.04
4793.58	2264851.81	70896615.66	1627.56
4793.59	2265187.28	70919265.86	1628.08
4793.60	2265522.78	70941919.41	1628.60
4793.61	2265858.31	70964576.32	1629.12
4793.62	2266193.87	70987236.58	1629.64
4793.63	2266529.47	71009900.19	1630.16
4793.64	2266865.11	71032567.17	1630.68
4793.65	2267200.79	71055237.49	1631.20
4793.66	2267536.53	71077911.18	1631.72
4793.67	2267872.32	71100588.23	1632.24
4793.68	2268208.16	71123268.63	1632.77
4793.69	2268544.06	71145952.39	1633.29
4793.70	2268880.00	71168639.51	1633.81
4793.71	2269215.99	71191329.99	1634.33
4793.72	2269552.02	71214023.83	1634.85
4793.73	2269888.09	71236721.03	1635.37
4793.74	2270224.20	71259421.59	1635.89
4793.75	2270560.34	71282125.51	1636.41
4793.76	2270896.52	71304832.80	1636.93
4793.77	2271232.74	71327543.44	1637.46
4793.78	2271568.96	71350257.45	1637.98
4793.79	2271905.19	71372974.82	1638.50

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DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4793.80	2272241.42	71395695.56	1639.02
4793.81	2272577.64	71418419.65	1639.54
4793.82	2272913.86	71441147.11	1640.06
4793.83	2273626.94	71463879.81	1640.58
4793.84	2273974.05	71486617.82	1641.11
4793.85	2274320.96	71509359.29	1641.63
4793.86	2274667.72	71532104.24	1642.15
4793.87	2275014.31	71554852.65	1642.67
4793.88	2275360.75	71577604.52	1643.20
4793.89	2275707.03	71600359.86	1643.72
4793.90	2276053.16	71623118.66	1644.24
4793.91	2276399.15	71645880.92	1644.76
4793.92	2276744.99	71668646.64	1645.29
4793.93	2277090.66	71691415.82	1645.81
4793.94	2277436.18	71714188.46	1646.33
4793.95	2277781.53	71736964.54	1646.85
4793.96	2278126.71	71759744.09	1647.38
4793.97	2278471.73	71782527.08	1647.90
4793.98	2278816.58	71805313.52	1648.42
4793.99	2279161.26	71828103.41	1648.95
4794.00	2279505.75	71850896.74	1649.47
4794.01	2279850.02	71873693.52	1649.99
4794.02	2280194.07	71896493.74	1650.52
4794.03	2280537.89	71919297.40	1651.04
4794.04	2280881.47	71942104.50	1651.56
4794.05	2281224.82	71964915.03	1652.09
4794.06	2281567.93	71987728.99	1652.61
4794.07	2281910.80	72010546.39	1653.13
4794.08	2282253.43	72033367.21	1653.66
4794.09	2282595.83	72056191.46	1654.18
4794.10	2282937.98	72079019.13	1654.71
4794.11	2283279.90	72101850.21	1655.23
4794.12	2283621.57	72124684.72	1655.75
4794.13	2283963.03	72147522.64	1656.28
4794.14	2284304.26	72170363.98	1656.80
4794.15	2284645.36	72193208.73	1657.33
4794.16	2284986.32	72216056.89	1657.85
4794.17	2285327.15	72238908.45	1658.38
4794.18	2285667.84	72261763.43	1658.90
4794.19	2286008.39	72284621.81	1659.43
4794.20	2286348.80	72307483.60	1659.95
4794.21	2286689.07	72330348.79	1660.48
4794.22	2287029.21	72353217.38	1661.00
4794.23	2287369.50	72376089.37	1661.53
4794.24	2287710.10	72398964.77	1662.05
4794.25	2288050.88	72421843.57	1662.58

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WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4794.26	2288391.75	72444725.79	1663.10
4794.27	2288732.70	72467611.41	1663.63
4794.28	2289073.74	72490500.44	1664.15
4794.29	2289414.87	72513392.88	1664.68
4794.30	2289756.09	72536288.74	1665.20
4794.31	2290097.40	72559188.01	1665.73
4794.32	2290438.81	72582090.69	1666.26
4794.33	2290780.31	72604996.78	1666.78
4794.34	2291121.87	72627906.29	1667.31
4794.35	2291463.48	72650819.22	1667.83
4794.36	2291805.12	72673735.56	1668.36
4794.37	2292146.81	72696655.32	1668.89
4794.38	2292488.51	72719578.50	1669.41
4794.39	2292830.15	72742505.09	1669.94
4794.40	2293171.74	72765435.10	1670.46
4794.41	2293513.26	72788368.53	1670.99
4794.42	2293854.72	72811305.37	1671.52
4794.43	2294196.12	72834245.62	1672.04
4794.44	2294537.46	72857189.29	1672.57
4794.45	2294878.74	72880136.37	1673.10
4794.46	2295219.96	72903086.86	1673.62
4794.47	2295561.12	72926040.77	1674.15
4794.48	2295902.22	72948998.09	1674.68
4794.49	2296243.26	72971958.81	1675.21
4794.50	2296584.24	72994922.95	1675.73
4794.51	2296925.16	73017890.50	1676.26
4794.52	2297265.98	73040861.45	1676.79
4794.53	2297606.69	73063835.82	1677.31
4794.54	2297947.32	73086813.59	1677.84
4794.55	2298287.99	73109794.76	1678.37
4794.56	2298628.95	73132779.35	1678.90
4794.57	2298970.20	73155767.34	1679.43
4794.58	2299311.76	73178758.75	1679.95
4794.59	2299653.62	73201753.58	1680.48
4794.60	2299995.79	73224751.83	1681.01
4794.61	2300338.26	73247753.50	1681.54
4794.62	2300681.03	73270758.59	1682.07
4794.63	2301024.10	73293767.12	1682.59
4794.64	2301367.54	73316779.08	1683.12
4794.65	2301711.40	73339794.47	1683.65
4794.66	2302055.67	73362813.31	1684.18
4794.67	2302400.36	73385835.59	1684.71
4794.68	2302745.47	73408861.32	1685.24
4794.69	2303091.01	73431890.50	1685.76
4794.70	2303437.02	73454923.14	1686.29
4794.71	2303783.54	73477959.24	1686.82

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WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4794.72	2304130.56	73500998.81	1687.35
4794.73	2304478.09	73524041.86	1687.88
4794.74	2304826.12	73547088.38	1688.41
4794.75	2305174.62	73570138.38	1688.94
4794.76	2305523.43	73593191.87	1689.47
4794.77	2305872.20	73616248.85	1690.00
4794.78	2306220.72	73639309.31	1690.53
4794.79	2306569.00	73662373.26	1691.06
4794.80	2306917.05	73685440.69	1691.58
4794.81	2307264.85	73708511.60	1692.11
4794.82	2307612.42	73731585.99	1692.64
4794.83	2307959.73	73754663.85	1693.17
4794.84	2308306.81	73777745.18	1693.70
4794.85	2308653.63	73800829.98	1694.23
4794.86	2309000.22	73823918.25	1694.76
4794.87	2309346.55	73847009.99	1695.29
4794.88	2309692.64	73870105.18	1695.82
4794.89	2310038.49	73893203.84	1696.35
4794.90	2310384.09	73916305.95	1696.88
4794.91	2310729.43	73939411.52	1697.42
4794.92	2311074.40	73962520.54	1697.95
4794.93	2311418.95	73985633.01	1698.48
4794.94	2311763.08	74008748.92	1699.01
4794.95	2312106.80	74031868.27	1699.54
4794.96	2312450.09	74054991.05	1700.07
4794.97	2312792.96	74078117.26	1700.60
4794.98	2313135.40	74101246.91	1701.13
4794.99	2313477.42	74124379.97	1701.66
4795.00	2313819.02	74147516.45	1702.19
4795.01	2314160.20	74170656.35	1702.72
4795.02	2314500.93	74193799.65	1703.26
4795.03	2314841.23	74216946.37	1703.79
4795.04	2315181.08	74240096.48	1704.32
4795.05	2315520.49	74263249.98	1704.85
4795.06	2315859.45	74286406.88	1705.38
4795.07	2316197.98	74309567.17	1705.91
4795.08	2316536.10	74332730.84	1706.44
4795.09	2316873.74	74355897.89	1706.98
4795.10	2317210.89	74379068.31	1707.51
4795.11	2317547.42	74402242.11	1708.04
4795.12	2317882.71	74425419.26	1708.57
4795.13	2318216.80	74448599.75	1709.10
4795.14	2318549.69	74471783.59	1709.64
4795.15	2318881.40	74494970.74	1710.17
4795.16	2319211.93	74518161.21	1710.70
4795.17	2319541.27	74541354.97	1711.23

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4795.18	2319869.43	74564552.03	1711.77
4795.19	2320196.39	74587752.36	1712.30
4795.20	2320523.02	74610955.95	1712.83
4795.21	2320850.57	74634162.82	1713.36
4795.22	2321179.08	74657372.97	1713.90
4795.23	2321508.56	74680586.41	1714.43
4795.24	2321839.02	74703803.15	1714.96
4795.25	2322170.44	74727023.19	1715.50
4795.26	2322502.81	74750246.56	1716.03
4795.27	2322836.14	74773473.25	1716.56
4795.28	2323170.42	74796703.29	1717.10
4795.29	2323505.67	74819936.67	1717.63
4795.30	2323841.88	74843173.41	1718.16
4795.31	2324179.07	74866413.51	1718.70
4795.32	2324517.23	74889656.99	1719.23
4795.33	2324856.35	74912903.86	1719.76
4795.34	2325196.44	74936154.12	1720.30
4795.35	2325537.50	74959407.79	1720.83
4795.36	2325879.51	74982664.88	1721.37
4795.37	2326222.48	75005925.39	1721.90
4795.38	2326566.41	75029189.33	1722.43
4795.39	2326911.31	75052456.72	1722.97
4795.40	2327257.18	75075727.56	1723.50
4795.41	2327604.03	75099001.87	1724.04
4795.42	2327952.04	75122279.65	1724.57
4795.43	2328300.61	75145560.91	1725.10
4795.44	2328649.59	75168845.66	1725.64
4795.45	2328998.98	75192133.91	1726.17
4795.46	2329348.79	75215425.65	1726.71
4795.47	2329699.03	75238720.88	1727.24
4795.48	2330049.68	75262019.63	1727.78
4795.49	2330400.76	75285321.88	1728.31
4795.50	2330752.26	75308627.65	1728.85
4795.51	2331104.18	75331936.93	1729.38
4795.52	2331456.53	75355249.73	1729.92
4795.53	2331809.29	75378566.06	1730.45
4795.54	2332162.48	75401885.92	1730.99
4795.55	2332516.10	75425209.31	1731.52
4795.56	2332870.16	75448536.24	1732.06
4795.57	2333224.66	75471866.72	1732.60
4795.58	2333579.60	75495200.74	1733.13
4795.59	2333934.99	75518538.31	1733.67
4795.60	2334290.83	75541879.44	1734.20
4795.61	2334647.13	75565224.13	1734.74
4795.62	2335003.88	75588572.39	1735.27
4795.63	2335361.08	75611924.21	1735.81

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DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4795.64	2335743.92	75635279.74	1736.35
4795.65	2336101.14	75658638.96	1736.88
4795.66	2336458.80	75682001.76	1737.42
4795.67	2336816.89	75705368.14	1737.96
4795.68	2337175.43	75728738.10	1738.49
4795.69	2337534.41	75752111.65	1739.03
4795.70	2337893.85	75775488.79	1739.57
4795.71	2338253.70	75798869.53	1740.10
4795.72	2338613.97	75822253.87	1740.64
4795.73	2338974.67	75845641.81	1741.18
4795.74	2339335.80	75869033.36	1741.71
4795.75	2339697.38	75892428.53	1742.25
4795.76	2340059.39	75915827.31	1742.79
4795.77	2340421.83	75939229.72	1743.32
4795.78	2340784.71	75962635.75	1743.86
4795.79	2341148.02	75986045.41	1744.40
4795.80	2341511.77	76009458.71	1744.94
4795.81	2341875.95	76032875.65	1745.47
4795.82	2342240.55	76056296.23	1746.01
4795.83	2342605.57	76079720.47	1746.55
4795.84	2342971.00	76103148.35	1747.09
4795.85	2343336.83	76126579.89	1747.63
4795.86	2343703.07	76150015.09	1748.16
4795.87	2344069.71	76173453.95	1748.70
4795.88	2344436.77	76196896.48	1749.24
4795.89	2344804.24	76220342.69	1749.78
4795.90	2345172.12	76243792.57	1750.32
4795.91	2345540.41	76267246.13	1750.86
4795.92	2345909.12	76290703.38	1751.39
4795.93	2346278.24	76314164.32	1751.93
4795.94	2346647.78	76337628.95	1752.47
4795.95	2347017.75	76361097.27	1753.01
4795.96	2347388.17	76384569.30	1753.55
4795.97	2347759.02	76408045.04	1754.09
4795.98	2348130.29	76431524.49	1754.63
4795.99	2348502.00	76455007.65	1755.17
4796.00	2348874.13	76478494.53	1755.70
4796.01	2349246.69	76501985.13	1756.24
4796.02	2349619.67	76525479.46	1756.78
4796.03	2349993.09	76548977.53	1757.32
4796.04	2350366.94	76572479.33	1757.86
4796.05	2350741.22	76595984.87	1758.40
4796.06	2351115.93	76619494.15	1758.94
4796.07	2351491.09	76643007.19	1759.48
4796.08	2351866.72	76666523.98	1760.02
4796.09	2352242.80	76690044.53	1760.56

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DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4796.10	2352619.38	76713568.84	1761.10
4796.11	2352996.47	76737096.92	1761.64
4796.12	2353374.10	76760628.77	1762.18
4796.13	2353752.26	76784164.40	1762.72
4796.14	2354130.95	76807703.82	1763.26
4796.15	2354510.13	76831247.02	1763.80
4796.16	2354889.75	76854794.02	1764.34
4796.17	2355269.79	76878344.82	1764.88
4796.18	2355650.27	76901899.42	1765.42
4796.19	2356031.18	76925457.83	1765.97
4796.20	2356412.53	76949020.05	1766.51
4796.21	2356794.29	76972586.08	1767.05
4796.22	2357176.49	76996155.93	1767.59
4796.23	2357558.97	77019729.61	1768.13
4796.24	2357941.69	77043307.11	1768.67
4796.25	2358324.68	77066888.45	1769.21
4796.26	2358707.93	77090473.61	1769.75
4796.27	2359091.44	77114062.61	1770.30
4796.28	2359475.21	77137655.44	1770.84
4796.29	2359859.25	77161252.11	1771.38
4796.30	2360243.56	77184852.63	1771.92
4796.31	2360628.13	77208456.98	1772.46
4796.32	2361012.96	77232065.19	1773.00
4796.33	2361398.05	77255677.24	1773.55
4796.34	2361783.38	77279293.15	1774.09
4796.35	2362168.97	77302912.91	1774.63
4796.36	2362554.81	77326536.53	1775.17
4796.37	2362940.90	77350164.01	1775.72
4796.38	2363327.23	77373795.35	1776.26
4796.39	2363713.80	77397430.56	1776.80
4796.40	2364100.62	77421069.63	1777.34
4796.41	2364487.68	77444712.57	1777.89
4796.42	2364874.98	77468359.38	1778.43
4796.43	2365262.37	77492010.07	1778.97
4796.44	2365701.42	77515664.89	1779.51
4796.45	2366094.23	77539323.87	1780.06
4796.46	2366487.14	77562986.77	1780.60
4796.47	2366880.14	77586653.61	1781.14
4796.48	2367273.24	77610324.38	1781.69
4796.49	2367666.43	77633999.08	1782.23
4796.50	2368059.73	77657677.71	1782.77
4796.51	2368453.13	77681360.27	1783.32
4796.52	2368846.64	77705046.77	1783.86
4796.53	2369240.25	77728737.20	1784.41
4796.54	2369633.97	77752431.57	1784.95
4796.55	2370027.80	77776129.88	1785.49

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DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4796.56	2370421.73	77799832.13	1786.04
4796.57	2370815.78	77823538.32	1786.58
4796.58	2371209.94	77847248.45	1787.13
4796.59	2371604.21	77870962.52	1787.67
4796.60	2371998.59	77894680.53	1788.22
4796.61	2372393.08	77918402.49	1788.76
4796.62	2372787.67	77942128.39	1789.31
4796.63	2373182.38	77965858.24	1789.85
4796.64	2373577.19	77989592.04	1790.39
4796.65	2373972.11	78013329.79	1790.94
4796.66	2374367.13	78037071.48	1791.48
4796.67	2374762.43	78060817.13	1792.03
4796.68	2375158.33	78084566.74	1792.57
4796.69	2375554.84	78108320.30	1793.12
4796.70	2375951.95	78132077.84	1793.67
4796.71	2376349.64	78155839.34	1794.21
4796.72	2376747.91	78179604.83	1794.76
4796.73	2377146.76	78203374.30	1795.30
4796.74	2377546.19	78227147.77	1795.85
4796.75	2377946.20	78250925.23	1796.39
4796.76	2378346.78	78274706.70	1796.94
4796.77	2378747.94	78298492.17	1797.49
4796.78	2379149.67	78322281.66	1798.03
4796.79	2379551.97	78346075.17	1798.58
4796.80	2379954.85	78369872.70	1799.12
4796.81	2380358.28	78393674.27	1799.67
4796.82	2380762.14	78417479.87	1800.22
4796.83	2381166.47	78441289.51	1800.76
4796.84	2381572.05	78465103.20	1801.31
4796.85	2381979.88	78488920.96	1801.86
4796.86	2382413.51	78512742.93	1802.40
4796.87	2382821.45	78536569.10	1802.95
4796.88	2383229.96	78560399.36	1803.50
4796.89	2383639.01	78584233.71	1804.05
4796.90	2384048.61	78608072.14	1804.59
4796.91	2384458.75	78631914.68	1805.14
4796.92	2384869.42	78655761.32	1805.69
4796.93	2385280.63	78679612.07	1806.24
4796.94	2385692.37	78703466.94	1806.78
4796.95	2386104.66	78727325.92	1807.33
4796.96	2386517.51	78751189.03	1807.88
4796.97	2386931.00	78775056.28	1808.43
4796.98	2387345.15	78798927.66	1808.97
4796.99	2387759.96	78822803.18	1809.52
4797.00	2388175.42	78846682.86	1810.07
4797.01	2388591.60	78870566.69	1810.62

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DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4797.02	2389008.55	78894454.69	1811.17
4797.03	2389426.15	78918346.87	1811.72
4797.04	2389844.38	78942243.22	1812.26
4797.05	2390263.19	78966143.76	1812.81
4797.06	2390682.59	78990048.49	1813.36
4797.07	2391105.44	79013957.43	1813.91
4797.08	2391534.07	79037870.63	1814.46
4797.09	2391964.22	79061788.12	1815.01
4797.10	2392395.39	79085709.91	1815.56
4797.11	2392827.60	79109636.03	1816.11
4797.12	2393260.81	79133566.47	1816.66
4797.13	2393695.03	79157501.25	1817.21
4797.14	2394130.24	79181440.38	1817.76
4797.15	2394566.48	79205383.86	1818.31
4797.16	2395003.67	79229331.71	1818.86
4797.17	2395441.78	79253283.94	1819.41
4797.18	2395880.80	79277240.55	1819.96
4797.19	2396320.65	79301201.56	1820.51
4797.20	2396760.98	79325166.97	1821.06
4797.21	2397201.65	79349136.78	1821.61
4797.22	2397642.66	79373111.00	1822.16
4797.23	2398084.01	79397089.64	1822.71
4797.24	2398525.76	79421072.68	1823.26
4797.25	2398967.93	79445060.15	1823.81
4797.26	2399410.52	79469052.04	1824.36
4797.27	2399853.62	79493048.37	1824.91
4797.28	2400297.21	79517049.12	1825.46
4797.29	2400741.30	79541054.31	1826.01
4797.30	2401185.88	79565063.95	1826.56
4797.31	2401630.96	79589078.03	1827.11
4797.32	2402076.53	79613096.57	1827.67
4797.33	2402522.59	79637119.56	1828.22
4797.34	2402969.14	79661147.02	1828.77
4797.35	2403416.19	79685178.95	1829.32
4797.36	2403864.51	79709215.35	1829.87
4797.37	2404318.84	79733256.27	1830.42
4797.38	2404769.43	79757301.71	1830.98
4797.39	2405222.73	79781351.67	1831.53
4797.40	2405678.79	79805406.18	1832.08
4797.41	2406137.29	79829465.26	1832.63
4797.42	2406597.52	79853528.93	1833.18
4797.43	2407059.44	79877597.22	1833.74
4797.44	2407523.22	79901670.13	1834.29
4797.45	2407989.08	79925747.69	1834.84
4797.46	2408457.09	79949829.92	1835.40
4797.47	2408927.46	79973916.85	1835.95

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DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4797.48	2409400.24	79998008.49	1836.50
4797.49	2409875.41	80022104.86	1837.05
4797.50	2410352.98	80046206.01	1837.61
4797.51	2410832.63	80070311.93	1838.16
4797.52	2411313.98	80094422.67	1838.71
4797.53	2411797.05	80118538.22	1839.27
4797.54	2412281.82	80142658.62	1839.82
4797.55	2412768.30	80166783.87	1840.38
4797.56	2413260.78	80190914.01	1840.93
4797.57	2413821.98	80215049.43	1841.48
4797.58	2414418.57	80239190.63	1842.04
4797.59	2415005.11	80263337.75	1842.59
4797.60	2415581.89	80287490.68	1843.15
4797.61	2416149.38	80311649.34	1843.70
4797.62	2416800.20	80335814.09	1844.26
4797.63	2417372.31	80359984.95	1844.81
4797.64	2417935.51	80384161.49	1845.37
4797.65	2418494.85	80408343.64	1845.92
4797.66	2419050.07	80432531.36	1846.48
4797.67	2419601.19	80456724.62	1847.03
4797.68	2420148.18	80480923.37	1847.59
4797.69	2420690.56	80505127.56	1848.14
4797.70	2421227.90	80529337.15	1848.70
4797.71	2421760.27	80553552.09	1849.26
4797.72	2422287.70	80577772.33	1849.81
4797.73	2422810.20	80601997.82	1850.37
4797.74	2423328.71	80626228.52	1850.92
4797.75	2423846.02	80650464.39	1851.48
4797.76	2424361.46	80674705.43	1852.04
4797.77	2424874.40	80698951.61	1852.59
4797.78	2425385.88	80723202.91	1853.15
4797.79	2425895.92	80747459.32	1853.71
4797.80	2426405.43	80771720.82	1854.26
4797.81	2426915.48	80795987.43	1854.82
4797.82	2427426.08	80820259.14	1855.38
4797.83	2427937.45	80844535.95	1855.94
4797.84	2428451.49	80868817.90	1856.49
4797.85	2428968.66	80893105.00	1857.05
4797.86	2429488.97	80917397.29	1857.61
4797.87	2430047.98	80941694.97	1858.17
4797.88	2430561.97	80965998.02	1858.72
4797.89	2431076.80	80990306.22	1859.28
4797.90	2431595.26	81014619.58	1859.84
4797.91	2432109.54	81038938.10	1860.40
4797.92	2432625.47	81063261.77	1860.96
4797.93	2433143.12	81087590.62	1861.51

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DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4797.94	2433662.48	81111924.65	1862.07
4797.95	2434183.54	81136263.88	1862.63
4797.96	2434704.62	81160608.32	1863.19
4797.97	2435219.94	81184957.94	1863.75
4797.98	2435728.77	81209312.68	1864.31
4797.99	2436231.70	81233672.48	1864.87
4798.00	2436728.73	81258037.29	1865.43
4798.01	2437220.18	81282407.03	1865.99
4798.02	2437706.40	81306781.66	1866.55
4798.03	2438187.93	81331161.14	1867.11
4798.04	2438664.79	81355545.40	1867.67
4798.05	2439140.28	81379934.42	1868.23
4798.06	2439616.74	81404328.21	1868.79
4798.07	2440094.76	81428726.77	1869.35
4798.08	2440575.68	81453130.12	1869.91
4798.09	2441059.46	81477538.30	1870.47
4798.10	2441546.53	81501951.33	1871.03
4798.11	2442037.64	81526369.25	1871.59
4798.12	2442532.53	81550792.10	1872.15
4798.13	2443031.22	81575219.92	1872.71
4798.14	2443534.02	81599652.74	1873.27
4798.15	2444040.89	81624090.62	1873.83
4798.16	2444551.80	81648533.58	1874.39
4798.17	2445066.79	81672981.67	1874.95
4798.18	2445585.90	81697434.94	1875.52
4798.19	2446107.59	81721893.40	1876.08
4798.20	2446631.72	81746357.10	1876.64
4798.21	2447157.37	81770826.05	1877.20
4798.22	2447682.99	81795300.25	1877.76
4798.23	2448208.39	81819779.70	1878.32
4798.24	2448733.49	81844264.41	1878.89
4798.25	2449258.32	81868754.37	1879.45
4798.26	2449783.12	81893249.58	1880.01
4798.27	2450308.30	81917750.04	1880.57
4798.28	2450834.14	81942255.75	1881.14
4798.29	2451360.21	81966766.72	1881.70
4798.30	2451885.98	81991282.95	1882.26
4798.31	2452410.84	82015804.44	1882.82
4798.32	2452934.28	82040331.16	1883.39
4798.33	2453455.57	82064863.11	1883.95
4798.34	2453976.29	82089400.27	1884.51
4798.35	2454497.63	82113942.64	1885.08
4798.36	2455020.02	82138490.23	1885.64
4798.37	2455543.96	82163043.05	1886.20
4798.38	2456069.56	82187601.11	1886.77
4798.39	2456596.89	82212164.45	1887.33

TABLE I
RESERVIOR SURFACE AREA AND VOLUME
DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4798.40	2457125.94	82236733.06	1887.90
4798.41	2457656.70	82261306.97	1888.46
4798.42	2458189.19	82285886.20	1889.02
4798.43	2458723.38	82310470.77	1889.59
4798.44	2459259.33	82335060.68	1890.15
4798.45	2459797.10	82359655.96	1890.72
4798.46	2460336.76	82384256.63	1891.28
4798.47	2460878.34	82408862.71	1891.85
4798.48	2461421.83	82433474.21	1892.41
4798.49	2462061.26	82458091.62	1892.98
4798.50	2462625.84	82482715.06	1893.54
4798.51	2463192.47	82507344.15	1894.11
4798.52	2463760.32	82531978.91	1894.67
4798.53	2464347.12	82556619.45	1895.24
4798.54	2464917.31	82581265.77	1895.80
4798.55	2465493.37	82605917.83	1896.37
4798.56	2466073.99	82630575.66	1896.94
4798.57	2466655.19	82655239.31	1897.50
4798.58	2467235.77	82679908.76	1898.07
4798.59	2467815.45	82704584.02	1898.64
4798.60	2468394.35	82729265.07	1899.20
4798.61	2468973.19	82753951.91	1899.77
4798.62	2469552.24	82778644.53	1900.34
4798.63	2470131.53	82803342.95	1900.90
4798.64	2470711.07	82828047.16	1901.47
4798.65	2471291.00	82852757.18	1902.04
4798.66	2471871.35	82877472.99	1902.60
4798.67	2472452.08	82902194.60	1903.17
4798.68	2473033.17	82926922.03	1903.74
4798.69	2473614.49	82951655.27	1904.31
4798.70	2474196.05	82976394.32	1904.88
4798.71	2474777.84	83001139.19	1905.44
4798.72	2475359.90	83025889.88	1906.01
4798.73	2475942.33	83050646.39	1906.58
4798.74	2476524.91	83075408.73	1907.15
4798.75	2477106.69	83100176.88	1907.72
4798.76	2477687.47	83124950.86	1908.29
4798.77	2478267.31	83149730.63	1908.86
4798.78	2479118.71	83174517.56	1909.42
4798.79	2479750.80	83199311.91	1909.99
4798.80	2480400.63	83224112.66	1910.56
4798.81	2481068.18	83248920.01	1911.13
4798.82	2481752.95	83273734.11	1911.70
4798.83	2482438.76	83298555.07	1912.27
4798.84	2483118.64	83323382.86	1912.84
4798.85	2483792.75	83348217.42	1913.41

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WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4798.86	2484461.09	83373058.68	1913.98
4798.87	2485123.64	83397906.61	1914.55
4798.88	2485780.37	83422761.13	1915.12
4798.89	2486431.32	83447622.19	1915.69
4798.90	2487076.44	83472489.73	1916.26
4798.91	2487715.09	83497363.68	1916.84
4798.92	2488347.38	83522244.00	1917.41
4798.93	2488973.51	83547130.60	1917.98
4798.94	2489593.64	83572023.44	1918.55
4798.95	2490207.97	83596922.44	1919.12
4798.96	2490817.24	83621827.57	1919.69
4798.97	2491421.91	83646738.76	1920.26
4798.98	2492021.52	83671655.98	1920.84
4798.99	2492618.63	83696579.18	1921.41
4799.00	2493218.07	83721508.37	1921.98
4799.01	2493820.21	83746443.56	1922.55
4799.02	2494423.67	83771384.78	1923.13
4799.03	2495028.39	83796332.04	1923.70
4799.04	2495634.37	83821285.35	1924.27
4799.05	2496241.60	83846244.73	1924.84
4799.06	2496850.09	83871210.19	1925.42
4799.07	2497459.67	83896181.74	1925.99
4799.08	2498070.22	83921159.39	1926.56
4799.09	2498667.07	83946143.07	1927.14
4799.10	2499236.56	83971132.59	1927.71
4799.11	2499808.41	83996127.82	1928.29
4799.12	2500378.83	84021128.75	1928.86
4799.13	2500945.48	84046135.37	1929.43
4799.14	2501508.54	84071147.64	1930.01
4799.15	2502072.46	84096165.55	1930.58
4799.16	2502639.06	84121189.11	1931.16
4799.17	2503208.23	84146218.34	1931.73
4799.18	2503779.99	84171253.28	1932.31
4799.19	2504354.32	84196293.96	1932.88
4799.20	2504930.86	84221340.38	1933.46
4799.21	2505507.99	84246392.58	1934.03
4799.22	2506085.51	84271450.54	1934.61
4799.23	2506663.43	84296514.29	1935.18
4799.24	2507241.75	84321583.81	1935.76
4799.25	2507820.56	84346659.12	1936.33
4799.26	2508400.00	84371740.23	1936.91
4799.27	2508980.39	84396827.13	1937.48
4799.28	2509561.98	84421919.84	1938.06
4799.29	2510147.28	84447018.39	1938.64
4799.30	2510737.79	84472122.81	1939.21
4799.31	2511333.78	84497233.17	1939.79

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DOUBLE JACK'S VARRA RESERVOIR
WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4799.32	2511935.52	84522349.52	1940.37
4799.33	2512543.04	84547471.91	1940.94
4799.34	2513156.35	84572600.41	1941.52
4799.35	2513775.43	84597735.07	1942.10
4799.36	2534308.89	84622975.42	1942.68
4799.37	2535171.21	84648322.82	1943.26
4799.38	2536031.93	84673678.83	1943.84
4799.39	2536890.96	84699043.45	1944.42
4799.40	2537748.35	84724416.64	1945.00
4799.41	2538605.48	84749798.41	1945.59
4799.42	2539462.79	84775188.75	1946.17
4799.43	2540319.39	84800587.66	1946.75
4799.44	2541177.31	84825995.15	1947.34
4799.45	2542037.55	84851411.22	1947.92
4799.46	2543217.55	84876837.50	1948.50
4799.47	2544047.13	84902273.82	1949.09
4799.48	2544881.68	84927718.47	1949.67
4799.49	2545722.58	84953171.49	1950.26
4799.50	2546568.90	84978632.94	1950.84
4799.51	2547419.81	85004102.89	1951.43
4799.52	2548275.52	85029581.36	1952.01
4799.53	2549135.89	85055068.42	1952.60
4799.54	2549999.59	85080564.10	1953.18
4799.55	2552328.63	85106075.74	1953.77
4799.56	2553256.23	85131603.66	1954.35
4799.57	2554185.88	85157140.87	1954.94
4799.58	2555120.88	85182687.41	1955.53
4799.59	2556063.20	85208243.33	1956.11
4799.60	2557013.38	85233808.71	1956.70
4799.61	2557971.55	85259383.63	1957.29
4799.62	2558960.57	85284968.29	1957.87
4799.63	2559994.16	85310563.07	1958.46
4799.64	2561053.31	85336168.30	1959.05
4799.65	2562104.77	85361784.09	1959.64
4799.66	2563148.17	85387410.36	1960.23
4799.67	2564183.67	85413047.02	1960.81
4799.68	2565432.72	85438695.10	1961.40
4799.69	2566438.36	85464354.46	1961.99
4799.70	2567437.63	85490023.84	1962.58
4799.71	2568430.83	85515703.18	1963.17
4799.72	2569418.72	85541392.43	1963.76
4799.73	2570557.79	85567092.31	1964.35
4799.74	2571536.21	85592802.78	1964.94
4799.75	2572521.04	85618523.06	1965.53
4799.76	2573512.41	85644253.23	1966.12
4799.77	2574520.50	85669993.39	1966.71

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WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4799.78	2575540.22	85695743.70	1967.30
4799.79	2576567.70	85721504.24	1967.89
4799.80	2577603.07	85747275.09	1968.49
4799.81	2578645.88	85773056.34	1969.08
4799.82	2579694.97	85798848.04	1969.67
4799.83	2580750.59	85824650.27	1970.26
4799.84	2582817.99	85850468.11	1970.86
4799.85	2583932.40	85876301.86	1971.45
4799.86	2585055.26	85902146.80	1972.04
4799.87	2586186.52	85928003.01	1972.64
4799.88	2587326.08	85953870.57	1973.23
4799.89	2588474.33	85979749.57	1973.82
4799.90	2589632.27	86005640.11	1974.42
4799.91	2590794.45	86031542.24	1975.01
4799.92	2591964.90	86057456.04	1975.61
4799.93	2593154.10	86083381.63	1976.20
4799.94	2594368.21	86109319.24	1976.80
4799.95	2595607.84	86135269.12	1977.39
4799.96	2596872.98	86161231.53	1977.99
4799.97	2598162.49	86187206.70	1978.59
4799.98	2599477.57	86213194.90	1979.18
4799.99	2600813.28	86239196.36	1979.78
4800.00	2602535.68	86265213.10	1980.38
4800.01	2604479.75	86291248.18	1980.97
4800.02	2618292.63	86317362.01	1981.57
4800.03	2629195.99	86343599.43	1982.18
4800.04	2630446.77	86369897.65	1982.78
4800.05	2631699.46	86396208.38	1983.38
4800.06	2632952.10	86422531.64	1983.99
4800.07	2634205.04	86448867.42	1984.59
4800.08	2635458.48	86475215.74	1985.20
4800.09	2636712.48	86501576.59	1985.80
4800.10	2637967.52	86527949.99	1986.41
4800.11	2639224.04	86554335.95	1987.01
4800.12	2640481.87	86580734.48	1987.62
4800.13	2641741.43	86607145.60	1988.23
4800.14	2643906.56	86633573.83	1988.83
4800.15	2645150.50	86660019.12	1989.44
4800.16	2646397.22	86686476.86	1990.05
4800.17	2647647.34	86712947.08	1990.66
4800.18	2648902.53	86739429.83	1991.26
4800.19	2650162.55	86765925.15	1991.87
4800.20	2651427.14	86792433.10	1992.48
4800.21	2652696.30	86818953.72	1993.09
4800.22	2653970.09	86845487.05	1993.70
4800.23	2658987.20	86872051.83	1994.31

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WELD COUNTY, COLORADO

Elevation (ft)	Area (square ft)	Volume (cubic ft)	Volume (acre-ft)
4800.24	2660320.51	86898648.37	1994.92
4800.25	2661636.59	86925258.16	1995.53
4800.26	2662935.51	86951881.02	1996.14
4800.27	2664310.24	86978517.25	1996.75
4800.28	2665670.74	87005167.15	1997.36
4800.29	2667822.88	87031834.62	1997.98
4800.30	2670095.49	87058524.21	1998.59
4800.31	2671450.83	87085231.94	1999.20
4800.32	2672793.86	87111953.16	1999.82
4800.33	2674124.54	87138687.76	2000.43

Based on topographic survey performed by American West Land Surveying Co.
 Inc. May and October 2022.

Jay Davenport, P.E.