

"EXHIBIT D"

District Court, Water Division 4, State of Colorado 1200 North Grand Avenue, Bin A Montrose, CO 81401-3146 Telephone: (970) 252-4300	DATE FILED: June 25, 2018 DATE FILED: June 26, 2018 3:09 PM CASE NUMBER: 2016CW3047
Concerning the Application for Water Rights of:	▲ COURT USE ONLY ▲
SPECIE WILDERNESS WATER, LLC,	Case Number: 2016 CW 3047
In the San Miguel River or its Tributaries, San Miguel County.	
FINDINGS OF FACT, CONCLUSIONS OF LAW, RULING OF REFEREE, AND DECREE	

Applicant Specie Wilderness Water, LLC, filed its Application for Water Storage Rights, Change of Water Rights, and Request for Approval of Plan for Augmentation on June 30, 2016 ("Application"). The Application was referred to the undersigned as Water Referee for Water Division 4, State of Colorado, by the Water Judge in accordance with Article 92 of Title 37 of the Colorado Revised Statutes Annotated.

The Referee, having made such investigations as are necessary to determine whether the statements contained in the Application are true, and having been fully advised of the subject matter of the Application does hereby make the following findings and ruling:

FINDINGS OF FACT

1. **Jurisdiction:** All notices required by law have been duly given and the Court has jurisdiction over the subject matter of the Application and over all persons affected thereby whether or not they have chosen to appear.
2. **Statements of Opposition:** Timely statements of opposition were filed in this matter by the Colorado Water Conservation Board ("CWCB"), the J&M Hughes Ditch Company ("Ditch Company"), and Howard M. Hughes ("Mr. Hughes"). The CWCB stipulated to the entry of a ruling in this case on September 8, 2017. The J&M Hughes Ditch Company stipulated to the entry of a ruling in this case on April 18, 2018. Howard M. Hughes stipulated to the entry of a ruling in this case on April 30, 2018. No other statements of opposition were filed and the period for such filings has expired.
3. **Summary of Consultation:** The Division Engineer issued his Summary of Consultation on December 7, 2016. A Supplemental Summary of Consultation was issued on March 1, 2017. Applicant has responded to the concerns stated in that Summary of Consultation and the Referee has considered that response.

4. Name and address of Applicant:

Specie Wilderness Water, LLC
280 Wigmore Drive
Pasadena, CA 91105

with copies of all pleadings to:

John R. Pierce
Dufford, Waldeck, Milburn & Krohn, LLP
744 Horizon Court, Suite 300
Grand Junction, CO 81506

5. Request for water storage right: Specie Pond Nos. 1-4

A. Name of reservoirs: Specie Pond Nos. 1-4

B. Legal description:

- i) Specie Pond No. 1: The center of Specie Pond No. 1 will be located within the 5-acre envelope depicted on Exhibit A, the centroid of which is located in the SW/4 NW/4 of Section 27, Township 43 North, Range 11 West, N.M.P.M., at a point located 1,712 feet from the north section line and 122 feet from the west section line.
- ii) Specie Pond No. 2: The center of Specie Pond No. 2 will be located within the 5-acre envelope depicted on Exhibit A, the centroid of which is located in the NW/4 NW/4 of Section 27, Township 43 North, Range 11 West, N.M.P.M., at a point located 148 feet from the north section line and 861 feet from the west section line.
- iii) Specie Pond No. 3: The center of Specie Pond No. 3 will be located within the 5-acre envelope depicted on Exhibit A, the centroid of which is located in the NW/4 NE/4 of Section 28, Township 43 North, Range 11 West, N.M.P.M., at a point located 189 feet from the north section line and 1,734 feet from the east section line.
- iv) Specie Pond No. 4: The center of Specie Pond No. 4 will be located within the 5-acre envelope depicted on Exhibit A, the centroid of which is located in the NW/4 SE/4 of Section 28, Township 43 North, Range 11 West, N.M.P.M., at a point located 2,225 feet from the south section line and 1,715 feet from the east section line.

C. Source: Applicant's 1 c.f.s. interest in the J&M Hughes Ditch, described in more detail in paragraph 6, below. A map of the J&M Hughes Ditch is attached as

Exhibit B. Applicant's filling rate will be limited to Applicant's pro-rata share of water being diverted into the J&M Hughes Ditch. Additionally, if water is available in the ditch during the non-irrigation season, Applicant may fill the ponds with water under the ponds' 2016 adjudication date. Applicant acknowledges that the Ditch Company only operates the ditch during the irrigation season and Applicant's use of the 2016 right to fill the ponds is limited to water that is passively available within the ditch in the reach where the ponds are located. Nothing in this decree shall obligate the Ditch Company to take any actions to divert water under this 2016 right during the non-irrigation season.

- D. Name of ditch used to fill: J&M Hughes Ditch, which has a total decreed rate from Case No. CA5882 of 40 c.f.s., of which Applicant owns an undivided interest in 1 c.f.s.
- i) Legal description of each point of diversion: The J&M Hughes Ditch has 22 decreed alternate points of diversion which are described in the attached Exhibit C.
- E. Date of appropriation for storage rights: July 30, 2014
- F. How appropriation was initiated: By investigation of pond locations and by contacting the former owner of Applicant's interest in the J&M Hughes Ditch to determine if such rights were suitable augmentation sources for the ponds.
- G. Date water applied to beneficial use: N/A
- H. Amount claimed:
- i) In acre-feet ("a.f."):
- a. Specie Pond No. 1: 11.50 a.f.
- b. Specie Pond No. 2: 11.50 a.f.
- c. Specie Pond No. 3: 11.50 a.f.
- d. Specie Pond No. 4: 11.50 a.f.
- ii) Rate of diversion from filling source in cubic feet per second (c.f.s.):
1 c.f.s.
- I. Proposed use: Piscatorial, fire protection, wildlife watering directly from the ponds, and recreation, all conditional.
- J. Surface area of high water line: 1 acre each

- i) Vertical height of dam: The Specie Pond Nos. 1-4 will primarily be built through excavation, but if any dam will be necessary to impound water, such structure will be less than 10 feet in height.
- K. Total capacity of reservoirs in acre-feet:
 - i) Specie Pond No. 1: 11.50 a.f.
 - ii) Specie Pond No. 2: 11.50 a.f.
 - iii) Specie Pond No. 3: 11.50 a.f.
 - iv) Specie Pond No. 4: 11.50 a.f.
- 6. Request for change of water right:
 - A. Name of structure: J&M Hughes Ditch
 - B. Case number and date of original and relevant subsequent decrees:
 - i) CA5882: Issued on July 10, 1952, the decree in Case No. CA5882 approved 10 c.f.s. absolute for irrigation under Priority No. 469, 10 c.f.s. absolute for irrigation under Priority No. 470, and 40 c.f.s. conditional for irrigation under priority 470.
 - ii) W-680: On October 26, 1972, the court issued a decree in Case No. W-680 making absolute 20 c.f.s. of the 40 c.f.s. conditionally decreed to the J&M Hughes Ditch. The remaining 20 c.f.s. conditional right in the J&M Hughes Ditch was cancelled in Case No. W-680 on August 11, 1980.
 - C. Legal description of structure: The J&M Hughes Ditch has 22 decreed alternate points of diversion which are described in the attached Exhibit C.
 - D. Decreed source of water: Surface flows from 22 points of diversion tributary to Fall Creek, Specie Creek, and Saltado Creek, all tributary to the San Miguel River.
 - E. Appropriation date: August 11, 1950
 - F. Total amount decreed to structure: 40 c.f.s., absolute
 - G. Decreed use: Irrigation
 - H. Amount of water that Applicant intends to change: 1 c.f.s., absolute
 - I. Detailed description of proposed change:

- i) Complete statement of change: Applicant requested to change its 1 c.f.s. interest in the J&M Hughes Ditch (0.25 c.f.s. under Priority 469 and 0.75 c.f.s. under Priority 470) to add filling and continuous refilling of the Specie Pond Nos. 1-4, as well as augmentation to support the augmentation plan requested below (or revised versions of that plan to augment depletions on Applicant's property). The requested changed water right has historically been used to irrigate a portion of 1,914 acres located within sections 13, 14, 22, 23, 24, 25, and 26, Township 43 North, Range 12 West, N.M.P.M. As discussed in more detail in paragraph 7, below, Applicant has contracted with Mr. Hughes, the owner of a portion of that historically irrigated land, to remove from irrigation 24 acres of land located within the SE/4 SW/4 of Section 25, Township 43 North, Range 12 West, N.M.P.M.
 - a. Irrigation: During irrigation seasons in which the Specie Ponds either are not constructed or will not be filled, the changed right may continue to be used for irrigation within the historically irrigated land. Applicant shall notify the Division Engineer before May 1 of such year whether the Ponds will be filled or whether the changed right will be used for irrigation or for pond filling, not both. For any year in which Applicant fails to provide such notice to the Division Engineer, the changed water right shall be used as described in the previous notification.

7. Request for approval of plan for augmentation:

- A. Name of structures to be augmented: Specie Pond Nos. 1-4. No out-of-priority depletions from other structures will be augmented under this plan.
- B. Are the structures decreed: As set out in paragraph 5, Applicant requested storage rights for the Specie Pond Nos. 1-4. There are no other water rights presently diverted from those structures.
- C. Water rights to be used for augmentation: Applicant's 1 c.f.s. interest in the J&M Hughes Ditch.
 - i) Case number and date of original and relevant subsequent decrees:
 - a. CA5882: Issued on July 10, 1952, the decree in Case No. CA5882 approved 10 c.f.s. absolute for irrigation under Priority No. 469, 10 c.f.s. absolute for irrigation under Priority No. 470, and 40 c.f.s. conditional for irrigation under priority 470.
 - b. W-680: On October 26, 1972, the court issued a decree in Case No. W-680 making absolute 20 c.f.s. of the 40 c.f.s. conditionally

decreed to the J&M Hughes Ditch. The remaining 20 c.f.s. conditional right in the J&M Hughes Ditch was cancelled in Case No. W-680 on August 11, 1980.

- ii) Legal description of structure: The J&M Hughes Ditch has 22 decreed alternate points of diversion which are described in the attached Exhibit C.
 - iii) Decreed source of water: Surface flows from 22 points of diversion tributary to Fall Creek, Specie Creek, and Saltado Creek, all tributary to the San Miguel River.
 - iv) Appropriation date: August 11, 1950
 - v) Total amount decreed to structure: 40 c.f.s., absolute
 - vi) Decreed use: Irrigation
- D. Does Applicant intend to change a water right to provide a source of augmentation: Yes. The Application included a request for change of water right to support this augmentation plan, which is set out in paragraph 6, above.
- E. Complete statement of plan for augmentation: Applicant has requested a change of use for its 1 c.f.s. interest in the J&M Hughes Ditch to allow Specie Pond Nos. 1-4 to fill and continuously refill. In the event of a valid downstream call, this plan for augmentation will offset out-of-priority evaporative depletions from those ponds with historical consumptive use credits associated with the dry-up of 24-acres of pasture land irrigated by the J&M Hughes Ditch. All augmentation water under this plan will be provided by virtue of the dry-up credits described below. The ponds will be filled and refilled when in priority. In the event of a valid downstream call rendering the ponds out of priority, the ponds will be kept full and evaporative losses will be replaced according to the monthly distribution of dry-up credits for as long as the J&M Hughes Ditch right remains in priority. Applicant recognizes an historic easement for the J&M Hughes Ditch adequate to convey the full 40 c.f.s. decreed to the ditch in addition to an access road on either side of the ditch adequate for a bulldozer with a 16-foot wide blade and/or a loaded dump truck, in addition to other maintenance equipment needed for the purposes of ditch inspection, operation, maintenance repair and replacement. The ponds will not be constructed within the ditch easement, but “off ditch” and also constructed so that any flow-through diversions will be returned to the ditch via gravity flow. In the event that the ponds are constructed or operated as flow-through structures and water rights in the J&M Hughes Ditch are out of priority and the Williams Ditch is in priority, Applicant shall release sufficient water to replace evaporative depletions back to the ditch in time and amount so that no out-of-priority water is impounded. The average monthly distribution of evaporative losses from the Specie Pond Nos. 1-4 is presented in Table 1,

attached as Exhibit D. In the event of a mainstem call by downstream rights senior to the J&M Hughes Ditch, all use of Applicant's 1 c.f.s. in the J&M Hughes Ditch, as well as filling or refilling the Ponds, will be curtailed.

- i) Location of out-of-priority depletions: The depletions to be augmented under this plan will occur due to evaporation from the surface of the Specie Pond Nos. 1-4. Those depletions would reduce the down-ditch flows in the J&M Hughes Ditch and would also reduce the amount of water discharging from the J&M Hughes Ditch to Beaver Creek at a location below the dry-up acreage. Applicant's augmentation plan offsets the out-of-priority depletions to Beaver Creek through a corresponding reduction in the historical water consumption within the 24-acre dry-up area.
- ii) Dry-up: Applicant's 1 c.f.s. interest in the J&M Hughes Ditch, together with Mr. Hughes' interest in the Ditch, have historically been used to irrigate a portion of 1,914 acres located within sections 13, 14, 22, 23, 24, 25, and 26, Township 43 North, Range 12 West, N.M.P.M. Applicant has contracted with Mr. Hughes to remove 24 acres of such historically irrigated acreage from irrigation. The 24-acre dry-up parcel is located within the SE/4 SW/4 of Section 25, Township 43 North, Range 12 West, N.M.P.M., as shown in the aerial photo attached as Exhibit E.
- iii) Historical return flows: Historically, irrigation surface return flows from the 24-acre dry-up parcel flowed onto the adjacent downgradient property to the west and north. Applicant will maintain those historical flows by conveying an amount of water equivalent to historical irrigation surface return flows so that it can continue to flow to the parcels to the west and north. Deep percolation return obligations will be met by delivering water through a gravel-lined ditch to a gravel-lined recharge basin near the center of the dry-up area. Monthly summaries of the irrigation surface water return flow obligation and the deep percolation return flow obligation are set out in the attached Exhibit F.
- iv) Historical consumptive use credits: The dry-up described above will result in 12.24 acre-feet of historical consumptive use credits, annually, as summarized in the attached Exhibit G. Those HCU credits are sufficient to augment evaporative depletions from the Specie Ponds in June, July, and August, but will be insufficient during April, May, September, and October. During those shoulder months when HCU credits are insufficient, Applicant will release water from one or more ponds monthly in an amount equal to the evaporative depletions from the ponds as summarized in Exhibit D. The Ponds will be constructed with Agri Drains

fitted with "boards" sized to correspond to evaporative losses for the relevant months to allow for easy administration.

- v) Does the plan for augmentation include an exchange that the Applicant desires to adjudicate: No.

CONCLUSIONS OF LAW

8. The findings of fact set out above are incorporated here to the extent that they constitute conclusions of law.
9. The Application filed in this case is complete, covering all applicable matters required under C.R.S. § 37-92-302.
10. All notice required by law has been given, and no further notice need be given. C.R.S. §§ 37-92-101, *et seq.*
11. This Court has jurisdiction of this matter and of all persons, whether they have appeared or not. C.R.S. §§ 37-92-301(2) and –303(1).
12. The Application is in accordance with Colorado law and should be granted. Applicant's plan for augmentation is one that is contemplated and authorized by law, and if implemented and administered in accordance with this Decree, will protect other vested water rights and will replace out-of-priority depletions that may occur as a result of Applicant's activities.

RULING OF REFEREE

13. Specie Pond Nos 1-4: Applicant is granted conditional storage rights for the Specie Pond Nos. 1-4 for 11.50 a.f. each for piscatorial, fire protection, wildlife watering, and recreations uses as described in paragraph 5, above.
14. Change of water right: Applicant's request for a change of water rights is granted as described in paragraph 6, above.
15. Plan for Augmentation: Applicant's plan for augmentation is confirmed and approved as set forth in paragraph 7, above.
16. Terms and Conditions:
 - A. Regarding the CWCB instream flow rights: Because the specific source(s) of water entering the ditch could include several tributaries to the San Miguel River and may enter the ditch along its entire length, any of the four instream flows downstream could potentially be depleted by Applicant's 2016 water right. Accordingly, all four of the instream flows listed below must be satisfied

before the Applicant may fill the Ponds under their 2016 priority, as claimed during the non-irrigation season. During the irrigation season, if the Applicant's HCU credits become insufficient to cover evaporative depletions from the Ponds, and any of the four instream flows listed below are not satisfied, then the Applicant shall not impound any additional water in the Ponds.

Div	CWCB Case No.	Stream	Upper Terminus	Lower Terminus	Rate/Timing (cfs/Period)	Approp. Date	Water-shed
4	02CW0277	San Miguel River	Confl Fall Creek	Pt immed u/s of confl Horsefly Cr	93 (5/1 - 10/14) 61 (10/15 - 4/30)	01/23/2002	San Miguel
4	02CW0279	Specie Creek	Confl Unnamed Tributary	Confl San Miguel River	1.6 (4/1 - 4/30) 4.3 (5/1 - 5/31) 0.2 (6/1 - 3/31)	01/23/2002	San Miguel
4	84CW0436	Fall Creek	Headwaters in vicinity	Confl San Miguel River	5 (1/1 - 12/31)	07/13/1984	San Miguel
4	93CW0267	Saltado Creek	Confl Unnamed Tributary	Confl San Miguel River	1 (7/1 - 4/30) 2 (5/1 - 6/30)	11/09/1993	San Miguel

- B. Pursuant to an agreement with Applicant, the Ditch Company, through its designated representatives only, will have the right to inspect Applicant's measuring devices and ponds to ensure compliance with that agreement and this decree. Nothing in this decree alters or restricts the Ditch Company's or its shareholders' rights within the J&M Hughes Ditch structure and the J&M Hughes Ditch easement.
- C. The Court shall retain jurisdiction over the plan for augmentation set forth in this case for a period of three years from the date of entry of this decree to reconsider the question of injury to the vested water rights of others, as provided in C.R.S. § 37-92-304(6).
- D. As-built stage-capacity tables for each of the four (4) Ponds must be submitted to the Division 4 Engineer's office within 90-days of construction of Specie Pond Nos. 1-4.
- E. For all ponds that will have flow-through diversions, Applicant shall install release structures capable of reducing storage levels as necessary to comply with the augmentation plan in this case. Applicant will obtain prior approval of the general design for such release structure from the Division Engineer and the J&M Hughes Ditch Company prior to installation.

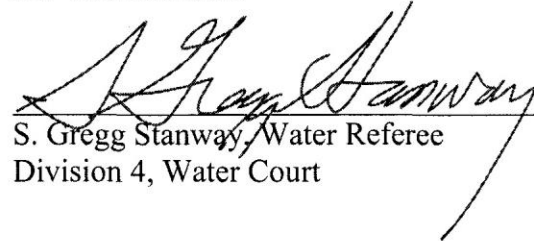
- F. Applicant shall install continuous recording devices (i.e., stage discharge recorders) to measure the historical irrigation surface flows and deep percolation return obligations, provide accounting, and supply calculations regarding the timing of depletions as required by the Division Engineer for the operation of this plan. The installation of continuous recording devices does not preclude Applicant from utilizing splitter boxes to simplify the administration of the augmentation plan approved in this case.
- G. Applicant shall file an annual report with the Division Engineer by November 15 of each year summarizing diversions and replacements made under the augmentation plan approved in this case.
- H. Pursuant to C.R.S. § 37-92-305(8), the State Engineer shall curtail all out-of-priority diversions, the depletions from which are not so replaced as to prevent injury to vested water rights.
- I. Prior to or during the month of June, 2024, and every six (6) years thereafter until these conditional rights are decreed absolutely, the owner or user thereof, if it is desired to maintain the same, shall file an application for a finding of reasonable diligence with this Court. Applicant shall notify this Court of any change in mailing address. Upon the sale or transfer of these conditional rights, the transferee shall file with this Court a notice of transfer which shall state:
 - i) the title and number of this case;
 - ii) the description of the water right transferred;
 - iii) the name of the transferor;
 - iv) the name and mailing address of the transferee; and
 - v) a copy of the recorded deed.

Applicant shall notify any transferee of the requirements of this paragraph.

This Ruling shall be filed with the Water Clerk subject to judicial review, and a copy of this Ruling shall be filed with the Division Engineer for Water Division No. 4 and the State Engineer.

Dated this 31st day of May, 2018.

BY THE COURT:



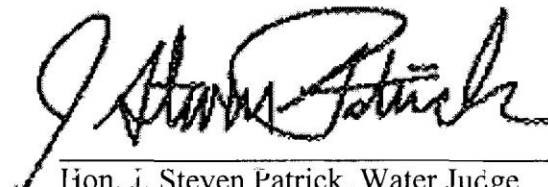
S. Gregg Stanway, Water Referee
Division 4, Water Court

DECREE

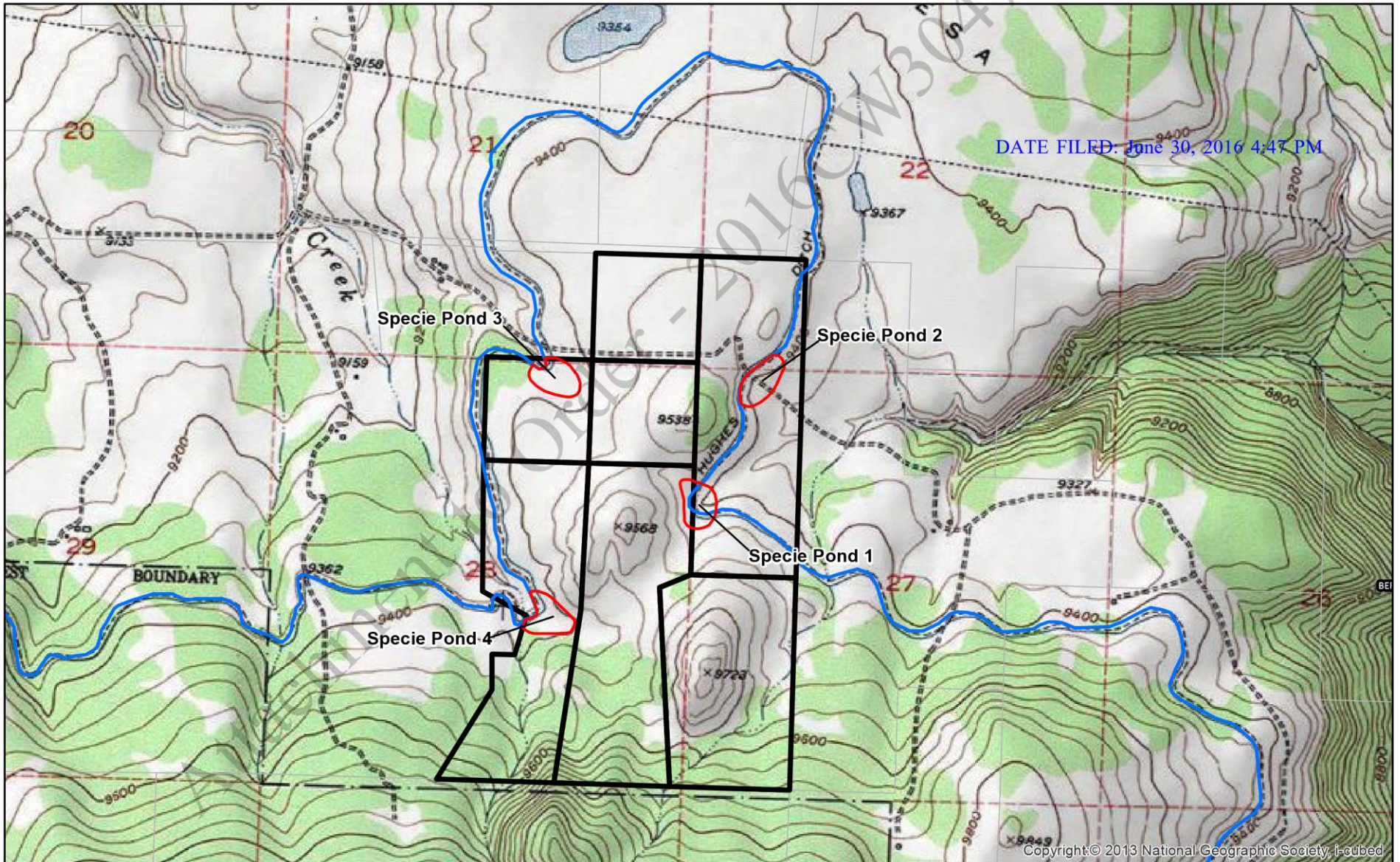
No protest was filed in this matter. The foregoing Ruling is confirmed and approved and is made the final Judgment and Decree of this Court.

BY THE COURT:

DATED June 25, 2018



Hon. J. Steven Patrick, Water Judge
Division 4, Water Court



Legend

-  Specie Ponds Envelopes
-  J & M Ditch
-  Specie Wilderness and SBB LLC Parcels

0 1,000 2,000 Feet
1:20,000



**Figure 3. Specie Wilderness LLC
Proposed Pond Location Envelope Areas**

San Miguel County, Colorado



Western Water & Land, Inc.
Applications in Earth Science

EXHIBIT A

CASE NO. 10CW210 J&M HUGHES DITCH DECREE EXHIBIT A

POINT OF DIVERSION 10CW210	POINT OF DIVERSION CA5882	UTM ZONE 13 EASTING (M)	UTM ZONE 13 NORTHING (M)	1/4 1/4 1/4	SECTION	TOWNSHIP	RANGE	FT FROM SECTION LINE	FT FROM SECTION LINE
1	1	229641	4196741	SWNWNW	27	42 North	11 West	1140-N	628-W
2	2	230171	4198039	SWSWNE	22	42 North	11 West	2157-N	2086-E
3	3	229193	4199023	NWSWSW	15	42 North	11 West	993-S	516-W
4	N/A	229142	4199648	SESENE	16	42 North	11 West	2218-N	348-E
5	4	229250	4201073	NENESW	10	42 North	11 West	2510-S	2140-W
5a	5	230147	4200921	NWNESW	10	42 North	11 West	2006-S	1822-W
6	6	231444	4202453	SWNWSW	2	42 North	11 West	1815-S	588-W
7	N/A	231199	4203171	SENE	3	42 North	11 West	376-N	257-E
8	N/A	231112	4203482	SESESE	34	43 North	11 West	639-S	574-E
9	N/A	231138	4203543	NESESE	34	43 North	11 West	829-S	496-E
10	N/A	231704	4204419	NESWNW	35	43 North	11 West	1544-N	1253-W
11	N/A	231670	4204554	SENWNW	35	43 North	11 West	1106-N	1123-W
12	7	230649	4205568	NWNWSE	27	43 North	11 West	2127-N	2354-E
13	8	230281	4205774	SWSENW	27	43 North	11 West	2613-N	1708-W
14	9	229179	4205644	NENWSE	28	43 North	11 West	2246-S	1887-E
15	N/A	228202	4205537	SWNWSW	28	43 North	11 West	1811-S	196-W
16	10	227253	4205400	NESESW	29	43 North	11 West	1271-S	2379-W
17	11	226164	4204650	SWNE	31	43 North	11 West	1276-N	1102-E
18	12	225308	4203590	SWSESW	31	43 North	11 West	461-S	1434-W
19	13	224661	4202449	SENESE	1	42 North	12 West	1177-S	456-E
20	14	224646	4202376	NESESE	1	42 North	12 West	935-S	457-E
21	N/A	224294	4203774	NESWSE	36	43 North	12 West	966-S	1917-E

EXHIBIT B

Table 1: Pond Evaporation
Specie Wilderness, LLC

Month	Monthly Distribution (%) (1)	Gross Lake Evaporation (inches) (2)	Net Lake Evaporation (inches) (3)	Net Lake Evaporation (ac-ft/ac) (4)	Net Lake Evaporation (ac-ft/4 ac) (5)
January	1.0%	0.37	0.00	0.00	0.00
February	3.0%	1.11	0.00	0.00	0.00
March	6.0%	2.22	0.00	0.00	0.00
April	9.0%	3.33	3.33	0.28	1.11
May	12.5%	4.63	4.63	0.39	1.54
June	15.5%	5.74	5.74	0.48	1.91
July	16.0%	5.92	5.92	0.49	1.97
August	13.0%	4.81	4.81	0.40	1.60
September	11.0%	4.07	4.07	0.34	1.36
October	7.5%	2.78	2.78	0.23	0.93
November	4.0%	1.48	0.00	0.00	0.00
December	1.5%	0.56	0.00	0.00	0.00
Annual Total	1.00	37.00	31.27	2.61	10.42

- (1) From General Guidelines for Substitute Water Supply Plans for Sand & Gravel Pits Submitted to the State Engineer Pursuant to SB 89-120 & SB 93-260
- (2) Calculated as annual evaporation (40 inches) from NOAA Technical Report 33 x monthly distribution
- (3) Assumes evaporation does not occur when average monthly temperature is less than or equal to 32° F.
- (4) Conversion to ac-ft/ac
- (5) Column 4 x 4 acres

Note:



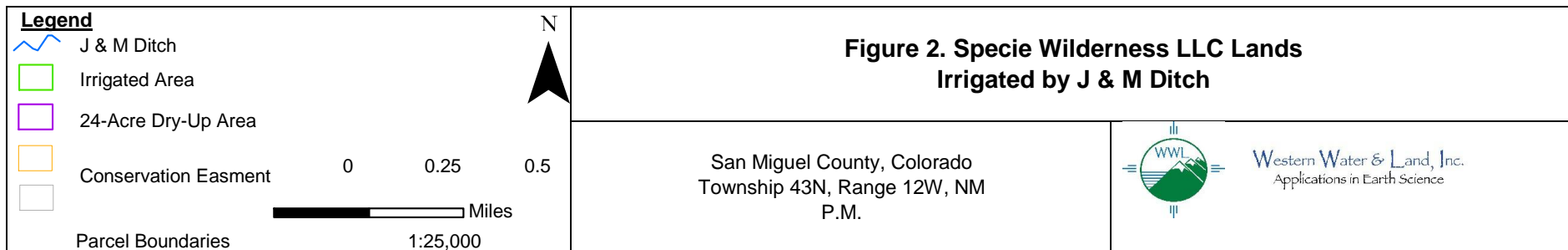


EXHIBIT D

**Table 3: Irrigation Return Flow Obligation
Specie Wilderness LLC.**

DATE FILED: June 30, 2016 4:47 PM

Month	Historical Diversions ac-ft (1)	Return Flow ac-ft/1,914 ac (2)	Return Flow ac-ft/24 ac (3)	Surface Water Return Flow ac-ft/24 ac (4)	Deep Percolation Return Flow ac-ft/24 ac (5)
January	0.00	0.00	0.00	0.00	0.00
February	0.00	0.00	0.00	0.00	0.00
March	0.00	0.00	0.00	0.00	0.00
April	7.93	4.36	0.05	0.03	0.02
May	403.45	221.90	2.78	1.67	1.11
June	738.91	406.40	5.10	3.06	2.04
July	529.16	291.04	3.65	2.19	1.46
August	316.87	174.28	2.19	1.31	0.88
September	175.87	96.73	1.21	0.73	0.48
October	100.49	55.27	0.69	0.41	0.28
November	0.00	0.00	0.00	0.00	0.00
December	0.00	0.00	0.00	0.00	0.00
Annual Total	2272.68	1249.97	12.67	9.40	6.27

- (1) From Colorado Decision Support Systems StateCU Model (Model version 13.03)
(2) From Colorado Decision Support Systems StateCU Model (Model version 13.03)
(3) Column (2) multiplied by (24/1914)
(4) Column (3) multiplied by 60%
(5) Column (3) multiplied by 40%

Note:

**Table 2: Historical Consumptive Use
Specie Wilderness LLC.**

Month	Crop ET ac-ft/1,914 ac (1)	Effec Precip ac-ft (2)	IWR ac-ft/1,914 Ac (3)	Historical Diversions ac-ft (4)	Historical Consumptive Use ac-ft/1914 ac (5)	Historical Consumptive Use ac-ft/ac (6)	Historical Consumptive Use ac-ft / 24 Acres (7)
January	0.00	0.00	0.00	0.00	0.00	0.00	0.00
February	0.00	0.00	0.00	0.00	0.00	0.00	0.00
March	0.00	0.00	0.00	0.00	0.00	0.00	0.00
April	7.82	1.72	6.09	7.93	3.57	0.00	0.00
May	686.43	125.21	561.21	403.45	164.87	0.09	2.16
June	1156.49	108.36	1048.12	738.91	332.51	0.17	4.08
July	1138.88	333.43	805.45	529.16	237.70	0.12	2.88
August	681.58	322.70	358.88	316.87	133.52	0.07	1.68
September	561.01	297.15	263.86	175.87	75.36	0.04	0.96
October	111.40	53.04	58.35	100.49	23.37	0.01	0.24
November	0.00	0.00	0.00	0.00	0.00	0.00	0.00
December	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual Total	4343.60	1241.62	3101.98	2272.68	970.91	0.50	12.00

Columns (1) - (5): From Colorado Decision Support Systems StateCU Model (Model version 18.0)

Column (6): Column (5) divided by 1914 acres

Column (7): Column (6) multiplied by 24 Acres

Model Input Parameters:

Consumptive Use Method - Original Blaney-Criddle

Crop type - Pasture grass

Crop Coefficient - Denver Water High Altitude Calibrated Coefficients

Soil moisture capacity = 0.15

Initial soil moisture = 0

No winter precipitation to soil moisture reservoir

45% Maximum irrigation efficiency

Note: