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WATER RESOURCES
WESTERN REGIONSTATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

BENEFICIAL USE FIELD REPORT

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

A. GENERAL INFORMATION

Permit No. 63-342651. Owner Rivers End Neighborhood Assn IncPhone No. (208) 939-6000Current address 9601 W State St, Ste 2032. Examiner's name David ShawEXAM DATE 11-16-20163. Accompanied by See attached report for 63-31515

Email _____

Address _____

Relationship to permit holder _____

Phone No. _____

4. Source Ground Water

tributary to _____

B. OVERLAP REVIEW

1. Other water rights with the same place of use 63-31515, 63-33400, 63-326142. Other water rights with the same source and point of diversion 63-31515, 63-33400

C. DIVERSION AND DELIVERY SYSTEM

1. Point(s) of Diversion:

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
1	7		NW	SE	16	4N	1E	Ada	GIS & NAIP Photography
2	7		NW	SE	16	4N	1E	Ada	"
4	7		SW	SE	16	4N	1E	Ada	"
5	7		SW	SE	16	4N	1E	Ada	"

2. Place(s) of Use:

Method of determination GIS & NSIP Photography

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
4N	1E	16														X/L7	X/L7	X/L8	
		21	X/L1	X/L2															

Ident. No. 63-34265

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES

Ident. No. 63-34265

Point of Diversion/Place of Use Supplement

Attachment to: ☐ Application for Permit to Appropriate Water ☐ Application for Transfer** ☐ Adjudication Claim
☐ Application for Amendment of Permit ☒ Beneficial Use Field Report ☐ Statutory Claim

Location of points of diversion (POD):

New POD?	Twp	Rge	Sec	Govt Lot	¼	¼	¼	County	Source	Local name or well/diversion tag #
☐ Yes	4N	1E	21	1		NE	NE	Ada	Ground Water	14
☐ Yes				1		NE	NE	Ada	Ground Water	15
☐ Yes				2		NW	NE	Ada	Ground Water	11
☐ Yes				1		NE	NE	Ada	Ground Water	16
☐ Yes										
☐ Yes										
☐ Yes										
☐ Yes										
☐ Yes										
☐ Yes										

Description of place of use (POU):

- a. If water is for irrigation, indicate acreage in each subdivision in the tabulation below.
b. If water is used for other purposes, place a symbol of the use (example: D for Domestic) in the corresponding place of use below.

TWP	RGE	SEC	NE				NW				SW				SE				TOTALS
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☒ see attached.

Scale: 1" = _____

- ☐ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (required)
☐ Aerial photo attached (required for irrigation of 10+ acres)
☐ Photo of diversion and system attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

*Code to correspond with no. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: _____

See description under volume determination in attached Beneficial Use Field Report for 63-31515.

E. NARRATIVE/REMARKS/COMMENTS

See attached Beneficial Use Field Report for 63-31515. The 2015 Beneficial Use Field Report for 63-31515 was based on 2013 NAIP Photography and the attached map of the ponds is based on 2015 NAIP Photography which was not yet available at the time of the 2015 report. The newer photography is useful to show no changes in the ponds since the 2015 report was completed for water right 63-31515.

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☒ Yes ☐ No If no, what must be done to meet the permit requirements?

F. FLOW CALCULATIONS☐ Additional computation sheets attached

Measured Method:

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

 $V_{I.R.} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) =$ _____ $V_{D.R.} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 =$ _____ $V = \text{Smaller of } V_{I.R.} \text{ and } V_{D.R.} =$ _____

2. Volume Calculations for Other Uses:

See attached Beneficial Use Field Report for water right no. 63-31515.

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
Aesthetic Storage	1/1	12/31		113.7
Totals:				

2. Recommended Amendments

☐ Change P.D. as reflected on page 1☐ Add P.D. as reflected on page 1☒ None☐ Change P.U. as reflected on page 1☐ Add P.U. as reflected on page 1☐ Other**I. AUTHENTICATION**

Field Examiner's Signature



Date 11-16-2016

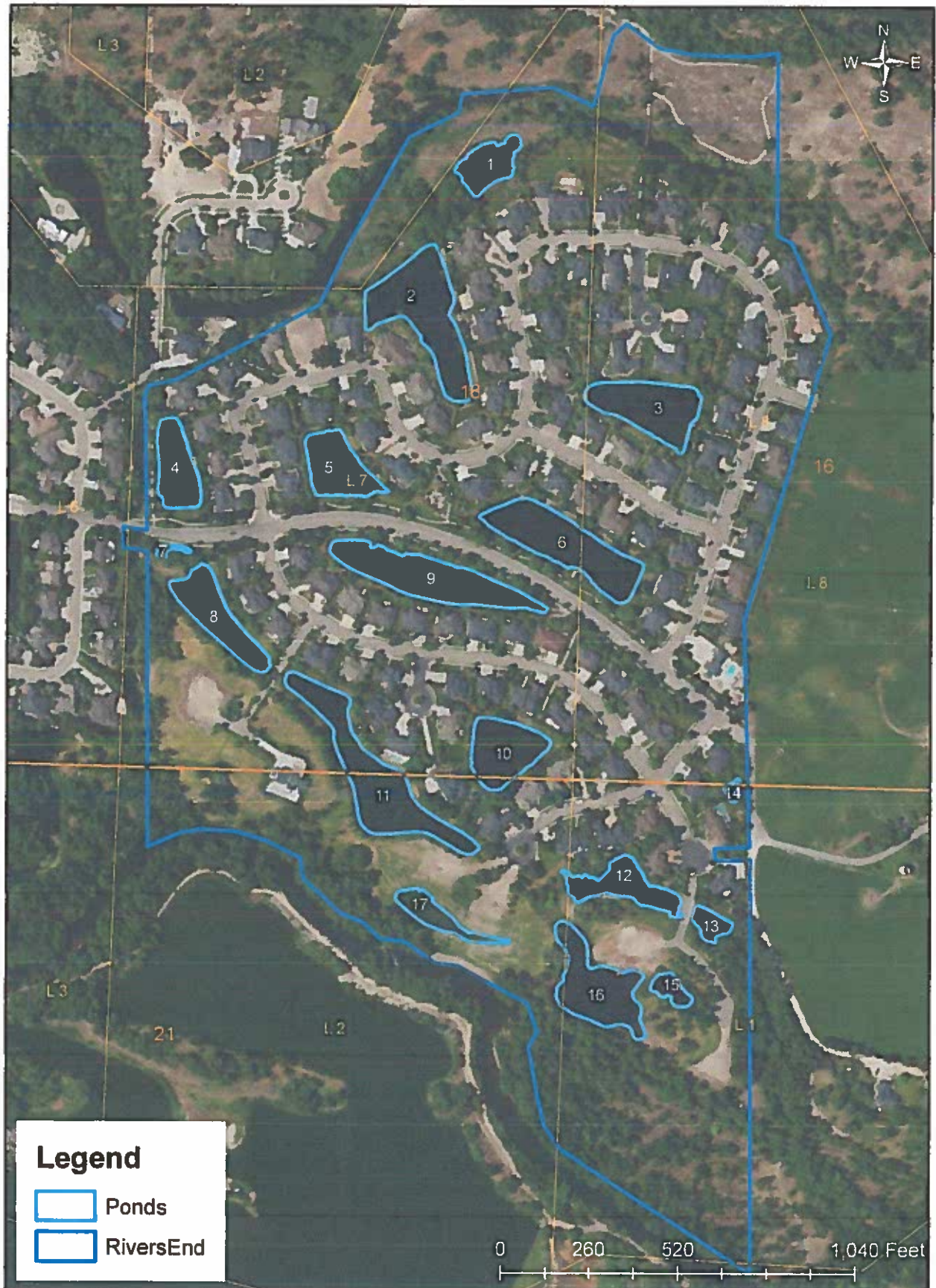
Reviewer

Date

SEAL

Rivers End Subdivision

In Twp 4N Rge 1E, B.M.



Based on 2015 NAIP Photography

Prepared for Rivers End Neighborhood Assn Inc by ERO 11-2016

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Form 219 07/11

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STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WATER RESOURCES
WESTERN REGION
BENEFICIAL USE FIELD REPORT

A Beneficial Use Field Report is prepared by a water right examiner as the result of an examination to clearly confirm and establish the extent of the beneficial use of water established in connection with a permit during the development period authorized by the permit and any extensions of time previously approved.

A. GENERAL INFORMATIONPermit No. 63-315151. Owner Rivers End Neighborhood Assn Inc.Phone No. (208) 939-6000Current address 9601 W State, #203, Boise, ID 837142. Examiner's name David ShawEXAM DATE 9-22-20153. Accompanied by Jerry Blair, Bill ColeEmail georgia@dev-services.comAddress Rivers End Neighborhood Assn, Inc, 9601 W State St, #203, Boise, ID 83714Relationship to permit holder HOA Board MembersPhone No. (208) 939-60004. Source Ground Water tributary to _____**B. OVERLAP REVIEW**1. Other water rights with the same place of use 63-32614 for mitigation and 63-334002. Other water rights with the same source and point of diversion 63-33400**C. DIVERSION AND DELIVERY SYSTEM**

1. Point(s) of Diversion:

Ident. No.	Gov't Lot	¼	¼	¼	Sec	Twp	Rge	County	Method of Determination/Remarks
1	7		NW	SE	16	4N	1E	Ada	GIS and NAIP Photography
2	7		NW	SE	16	4N	1E	Ada	"
4	7		SW	SE	16	4N	1E	Ada	"
5	7		SW	SE	16	4N	1E	Ada	"

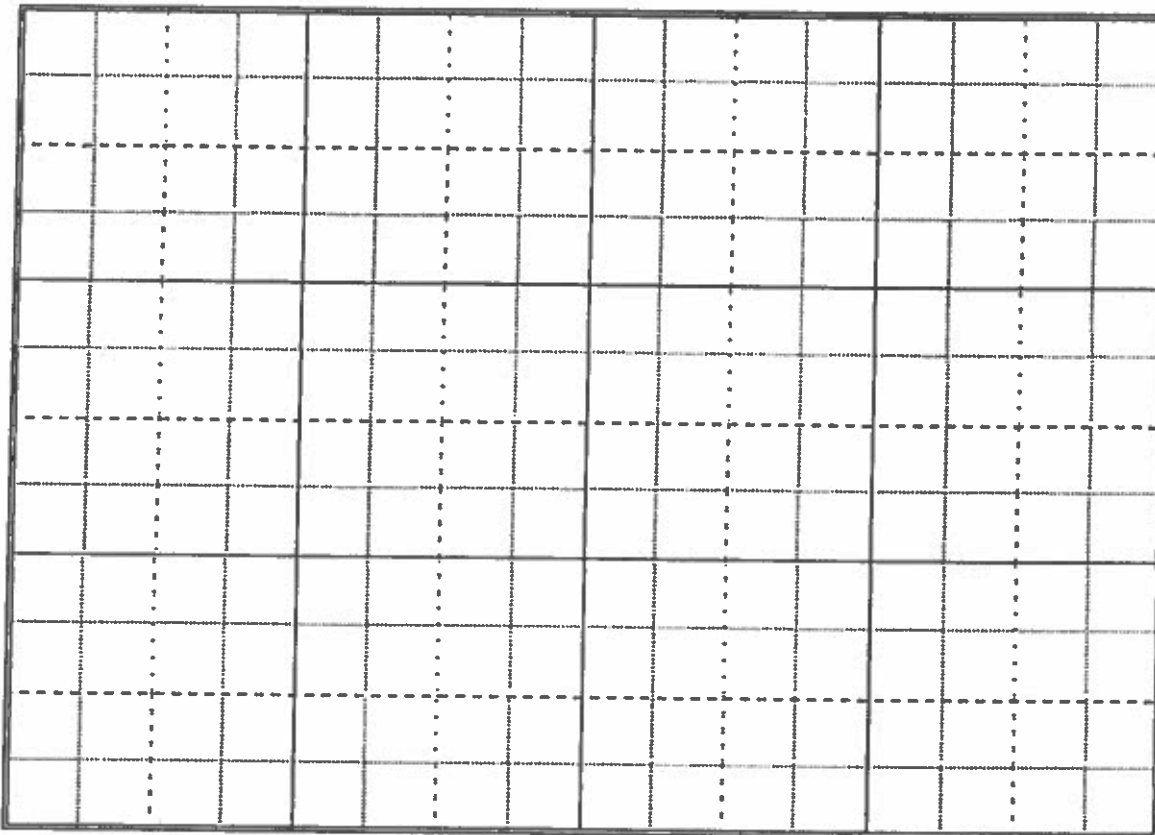
2. Place(s) of Use: Method of determination GIS and NAIP Photography

Twp	Rge	Sec	NE				NW				SW				SE				Totals
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	
4N	1E	16														X/L7	X/L7	X/L8	
		21	X/L1	X/L2															

Ident. No. 63-31515

Ident. No. 63-31515

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe diameter (inside), as applicable. Use the space provided or ☒ see attached.



Scale: 1" = _____

- ☐ Copy of USGS Quadrangle attached showing location(s) of point(s) of diversion and place(s) of use (required)
☐ Aerial photo attached (required for irrigation of 10+ acres)
☒ Photo of diversion and system attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size

*Code to correspond with no. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: _____

See description under volume determination.

E. NARRATIVE/REMARKS/COMMENTS

The original engineering firm for the subdivision estimated the pond volume to be 49.5 ac-ft when application for permit 63-31515 was filed in 2002. Since the ponds were used as a material source their ultimate depth is greater than first estimated. If IDWR accepts the method of determining the total pond volume described below an application will be filed for the additional 113.7 ac-ft of storage. If IDWR determines a different total pond volume is appropriate the difference will be addressed in a new application for ground water storage.

Some of the ponds supply water for water features which return the water to the ponds. The only consumptive use from the ponds is evaporation and irrigation, both of which are covered by permit no. 63-33400.

Has the permit holder met all conditions of permit approval, including any mitigation requirements and/or measuring device installation requirements? ☒ Yes ☐ No If no, what must be done to meet the permit requirements?

Pond #	Measured Depths - ft										Average Depth - ft	Area Acres	Weighted Depth - ft
1	15	15.25	16.41667	13	9.33	11.5	13.25				13.4	0.43	5.8
2	10	8	10.66667	23.58333	24.33	30	7.25	8	9.538462		14.6	1.46	21.3
3	8.583333	11.25	24.41667	21	12.16667	6.583333					14.0	0.95	13.3
4	11	22	12.41667	11.25	22.5	12.91667					15.3	0.58	8.9
5	12.25	26.75	9	22.83333	7.583333						15.7	0.66	10.4
6	9.5	8.833333	8.916667	23.33	24.75	23	5	4.666667	8.25		12.9	1.30	16.8
8	6.33	6	6	12	11.41667	18	16.58333	11.33	10	5.25	10.3	0.72	7.4
9	12	6	10	1.916667	21	21	18	9.666667	10.75	21	13.1	1.25	16.4
Total													
Average Depth												7.35	100.2
Total Volume											13.6		
											163.7		

Rivers End Subdivision

In Twp 4N Rge 1E, B.M.



Based on 2013 NAIP Photography

Prepared for Rivers End Neighborhood Assn Inc by ERO 9-2015

Photos for Permit No. 63-31515 Field Exam



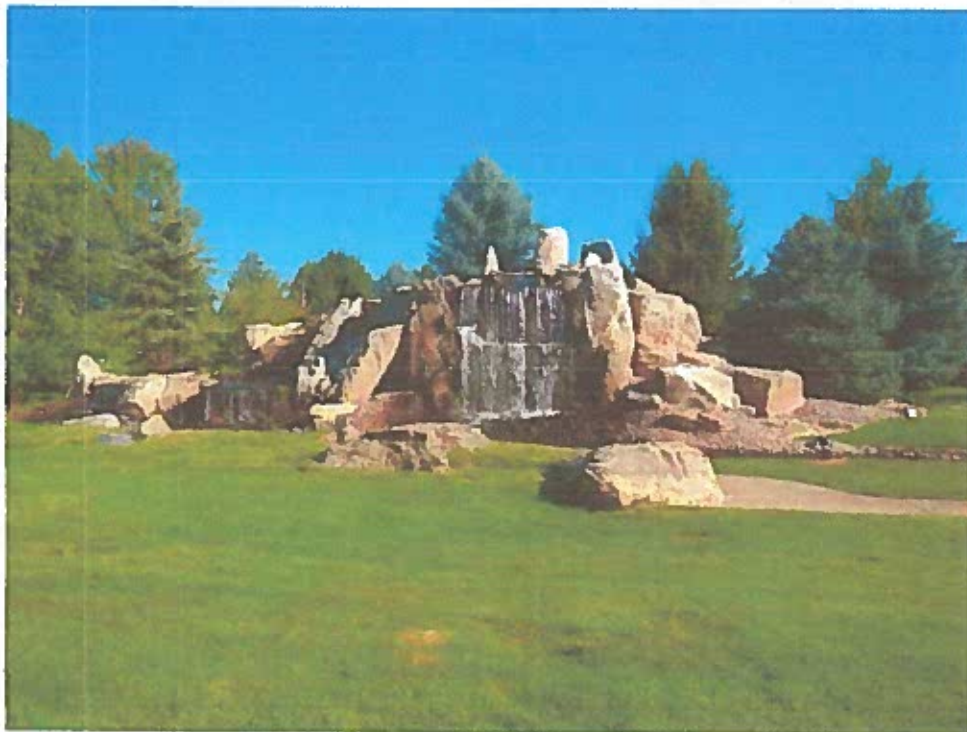
Pond 7 and Associated Water Feature Supplied from Pond 8



Pond 7 Discharge Into Pond 8



Water Feature at East End of Pond 9



Water Feature Supplied by Pond 6



Pond 6 Water Feature Return Channel to Pond 6



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WATER RESOURCES
WESTERN REGION

November 16, 2016

Nick Miller, Manager
Department of Water Resources Western Region
2735 Airport Way
Boise, ID 83705-5082

RE: Field Examinations for Permits 63-34265

Dear Nick:

Attached is a completed Beneficial Use Field Report for the above permit in the name of Rivers End Neighborhood Assn Inc. The permit is for aesthetic pond storage and is a companion water right to right nos. 63-31515 and 63-33400.

The ponds were originally constructed larger than planned at the time application for permit 63-31515 was applied for. The volume of the ponds was determined as part of the field examination for water rights 63-31515 and 63-33400 and this permit was applied for and granted to cover the existing pond capacity not covered by the earlier water rights. The field examination report for water right no. 63-31515 is attached as an addendum to the field examination report for this permit no. 63-34265.

Thank you in advance please let me know if you have questions or recommendations.

Yours truly,

Denver
1842 Clarkson St.
Denver, CO 80218
303.930.1188

Attachments

cc: Rivers End Neighborhood Assn Inc.

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1015 1/2 Main Avenue
Durango, CO 81301
970.422.2136

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P.O. Box 932
161 South 2nd St.
Hotchkiss, CO 81419
970.872.3020

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