

**STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
IN-OFFICE REVIEW/FIELD REPORT**

Permit No: 37-8811Does this qualify for an in-office field exam (*IDAPA 035.02.r*)?

Is the permit for:

- Irrigation of 5 acres or less
- Storage of up to 14.6 AF for stockwater purposes only
- Any use other than irrigation or storage, if the combined diversion rate is 0.24 cfs or less

Yes - Irrigation

Verify that fees have been paid

Fee Schedule:

<http://www.idwr.idaho.gov/RulesStatutesForms/WaterRights/PDFs/LicenseExamFees.pdf>

(A license examination fee is not required in connection with permit which use a ground water source and have a total rate of diversion of 0.04 cfs or less OR where the total volume stored is 4.0 AF per year or less)

Yes - \$50.00 dollars, receipt C039624**A. CONTACT INFORMATION**Exam/Review Date: 12/18/20121. Is the Owner of record correct (y/n): YIf **NO**: Owner: _____

Is the Address of record correct (y/n): Y

If NO: Address: _____

If available:

Phone No: _____

(Primary)

E-mail: _____

Phone No: _____

(Secondary)

E-mail: _____

Open Info Search, enter the permit number, and then use the ArcMap interface to bring up the POU/POD on ArcMap. Check the Taxlot information to see if it matches the permit or proof statement contact information.

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B. POINT OF DIVERSION

N Change in POD (y/n)?

If yes:

-Compare permit map with taxlot data. If it is domestic use from a well, the POD is generally close to the home.
 -For Wells, bring in the "well" layer to see if it is digitized.
 -if your overlap analysis found overlapping rights, you can use the data in those rights to verify the POD location.

Ident No.	Govt. Lot	¼	¼	¼	Sec.	Twp.	Rge.	County	Method of Determination/Remarks
			NW	SW	31	2N	19E	Blaine	Well log & tax lots

Method of Determination/Remarks: _____

N Amendment Required (y/n)?

✓ X59: Point of diversion is located within <Lot 52, Muldoon Ranch Subdivision #2>.

C. SOURCE:

1. N Change in Source (y/n)?

If yes:

Source: _____ tributary to _____

For springs and streams, we use the name of the source shown on the USGS quad maps.

2. Method of Determination/Remarks: _____

_____ Amendment Required (y/n)?

_____ B01: Source is also known as _____.

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D. PLACE OF USE:

1. N Change in POU (y/n)?

If yes:

-Use Taxlot information in ArcMap, permit maps, overlapping rights.
-Check for government lots

Place of Use			NE				NW				SW				SE				Totals
TWP	RGE	SEC	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

Or:

 See attached map (goto I.)

2. Method of Determination/Remarks: GIS Imagery and Tax lot information

 N Amendment Required (y/n)?

 X60 : Place of use is located within <Lot 52, Muldoon Ranch Subdivision #2>.

E. OVERLAP REVIEW

1. Place of Use (POU):

 Y (y/n): Other water rights with the same place of use(POU)?

Research Tools:

- ☒ InfoSearch - Query for other WR's with same POU
- ☒ POU Comparison Report - Query Tools
- ☒ Use ArcMap for overlapping POU

We are checking to see if any other water rights share the same POU or POD. The research tools on the left will help narrow down WR's with POUs and PODs in the same 40 acre tract, but that does not necessarily mean they share the same actual POD (same well, spring etc.) or the same POU (house, 3 acre pasture, etc).

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Water Right No.	Source	Purpose of Use	Basis
37-363H	Big Wood River	Irrigation	Decree
37-363J	Big Wood River	Irrigation	Decree
37-363G	Big Wood River	Mitigation	Decree
37-364G	Big Wood River	Mitigation	Decree
37-8696	Ground Water	Domestic and Irrigation	

Other water rights in this 40 acres, listed below, are associated with separate parcels. (See attached table)

37-363H, 37-364J, 37-1201, 37-7839, 37-8649, 37-11848, 37-12344, 37-21289, 37-30006, 37-30027, 37-8696, 37-8811, 37-8714, 37-363G, 37-364G, 37-577CB, 37-7839, 37-363G, 37-364G, 37-7839

For irrigation rights only:

___Y___(y/n)? *E55: Right Nos. 37-8811 and 37-8696 are limited to the irrigation of a combined total of 4.2 acres in a single irrigation season.*

2. Point of Diversion (POD) Overlap:

___Y___(y/n) Other water rights with the same point of diversion (POD)? 37-8696

Research tools:

- ☒ InfoSearch - Query for other water rights with the same POU
- ☒ Use ArcMap for overlapping POU

Water Right No.	Source	Purpose of Use	Basis
37-8696	Private well	Domestic and Irrigation	

___ F06: The following rights are diverted through point(s) of diversion described above: 37-8696

F. PURPOSE OF USE:

___N___ Change in purpose of use (y/n):

If yes:

Use _____ From _____ To _____ Amount _____ CFS _____ AFA

Use _____ From _____ To _____ Amount _____ CFS _____ AFA

Use _____ From _____ To _____ Amount _____ CFS _____ AFA

Changes in purpose of use generally consist of things like "Recreation" really being "Recreation Storage", or multi-home domestic uses changing to "Municipal".

Method of Determination/Remarks: _____

Non-irrigation uses:

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Domestic # of homes _____

Stock # _____

Other: _____

G. DIVERSION RATE:

IDWR standard = 0.02 cfs

Permit allows 0.03 cfs

Calculations: $(0.02\text{cfs})(4.2) = 0.084\text{ cfs}$

$(0.03\text{ cfs})(4.2\text{ ac}) = 0.1260\text{ cfs}$

Since we aren't taking a measurement, this is where we explain the recommended diversion rate. Ex. Internal and external domestic use standard is 0.04 cfs.

Notes/Remarks: Permit for 37-8811 allows 0.09 cfs on 5 acres. This permit overlaps with permit 37-8696 which allows 0.06 cfs on 3 acres. Based on the permitted diversion of 0.03 cfs and the 4.2 acres developed the maximum allowable diversion rate for 37-8811 is $(0.03 \times 4.2) = 0.12\text{ cfs}$. Right 37-8696 allows for 0.06 cfs, therefore when WR 37-8696 and 37-8811 are combined, 37-8811 should be limited to $0.12\text{ cfs} - 0.06\text{ cfs}$ from 37-8696 for a total allowable diversion of 0.06 cfs on 4.2 acres for 37-8811 and 0.06 cfs on 3 acres for 37-8696.

Recommend diversion rate of 0.06 cfs for WR 37-8811

AND

Recommend diversion rate of 0.06 cfs for WR 37-8696

For uses that require a volume, this area can be used to show calculations and explain the recommended diversion volume. Ex: 3 acres at field headgate of 4.0 AF per acre = 12 AF.

H. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

WR 37-8811

$V = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \text{I.R.}$

$V_{\text{IR}} = (4.2\text{ac})(3.5\text{AF/ac}) = 14.7\text{ AF}$

$V = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \text{D.R.}$

$V_{\text{DR}} = (0.06\text{cfs})(200\text{ days})(1.9835) = 23.8\text{ AF}$

$V = \text{Smaller of } V_{\text{I.R.}} \text{ and } V_{\text{D.R.}} = \underline{14.7\text{ AF}}$

WR 37-8696

$V = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = \text{I.R.}$

$V_{\text{IR}} = (3\text{ac})(3.5\text{AF/ac}) = 10.5\text{AF}$

$V = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation season}) \times 1.9835 = \text{D.R.}$

$V_{\text{DR}} = (0.06\text{cfs})(200\text{ days})(1.9835) = 23.8\text{ AF}$

$V = \text{Smaller of } V_{\text{I.R.}} \text{ and } V_{\text{D.R.}} = \underline{10.5\text{ AF}}$

Recommend:

Therefore Volume 37-8811 = (Volume 37-8811) – (Volume 37-8696)

$V_{37-8811} = 14.7\text{AF} - 10.5\text{ AF} = 4.2\text{ AF}$

AND Volume 37-8696 = 10.5 AF

2. Volume Calculations for Other Uses: NA

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I. NARRATIVE/REMARKS/COMMENTS/CHECKLIST

Yes Is there enough information to verify the water right in office (IDAPA 035.02.r)?

We need to be able to verify:

- ☒ Beneficial use
- ☒ Place of use
- ☒ Season of use
- ☐ Point of diversion

After reviewing the information available, is there enough information to verify beneficial use and issue a license?

At a minimum, you must be able to verify the 4 items to the left.

Checklist (you do not need all of these items):

- ☒ Property tax information
- ☒ Well driller report
- ☐ Receipts
- ☐ photographs
- ☒ Aerial photography (**Arcmap**)
- ☐ Other records of the permit holder
- ☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (**REQUIRED**).
Scale must be 1:24,000 or greater.

This checklist is meant to provide a list of items that can be used to verify beneficial use.

(Use the WENET Layout application for this)

**Have conditions of permit approval been met? ☒ Yes ☐ No

NARRATIVE/REMARKS/COMMENTS

Permits 37-8811 and 37-8696 are predicated on mitigation provided by 37-363H and 37-364F, originally decreed water rights for irrigation for other properties via diversion from the Big Wood River. Transfer 3492 split the allocations base right 37-363E into 37-363G and 37-363H and moved 0.22 CFS from 2N18E Sec 15 and 16 to the subject McIlhenny parcel at 2N19E Sec. 31 Transfer 3492 also split Right 37-364F into parts H and J and claim 37-364G for 0.16 cfs is based on decreed water right 37-364J.

Permit for 37-8811 allows 0.09 cfs on 5 acres. This permit overlaps with permit 37-8696 which allows 0.06 cfs on 3 acres. Based on the permitted diversion of 0.03 cfs and the 4.2 acres developed the maximum allowable diversion rate for 37-8811 is $(0.03 \times 4.2) = 0.12$ cfs. Right 37-8696 allows for 0.06 cfs, therefore when WR 37-8696 and 37-8811 are combined, 37-8811 should be limited to 0.12 cfs – 0.06 cfs from 37-8696 for a total allowable diversion of 0.06 cfs on 4.2 acres for 37-8811 and 0.06 cfs on 3 acres for 37-8696.

J. RECOMMENDATIONS

1. Recommended Amounts

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>	<u>ANNUAL VOLUME</u>
<u>Irrigation</u>	<u>4/15</u> to <u>10/15</u>	<u>0.06</u> CFS	<u>4.2</u> AF
<u>Totals:</u>		<u>0.06</u> CFS	<u>4.2</u> AF

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ None

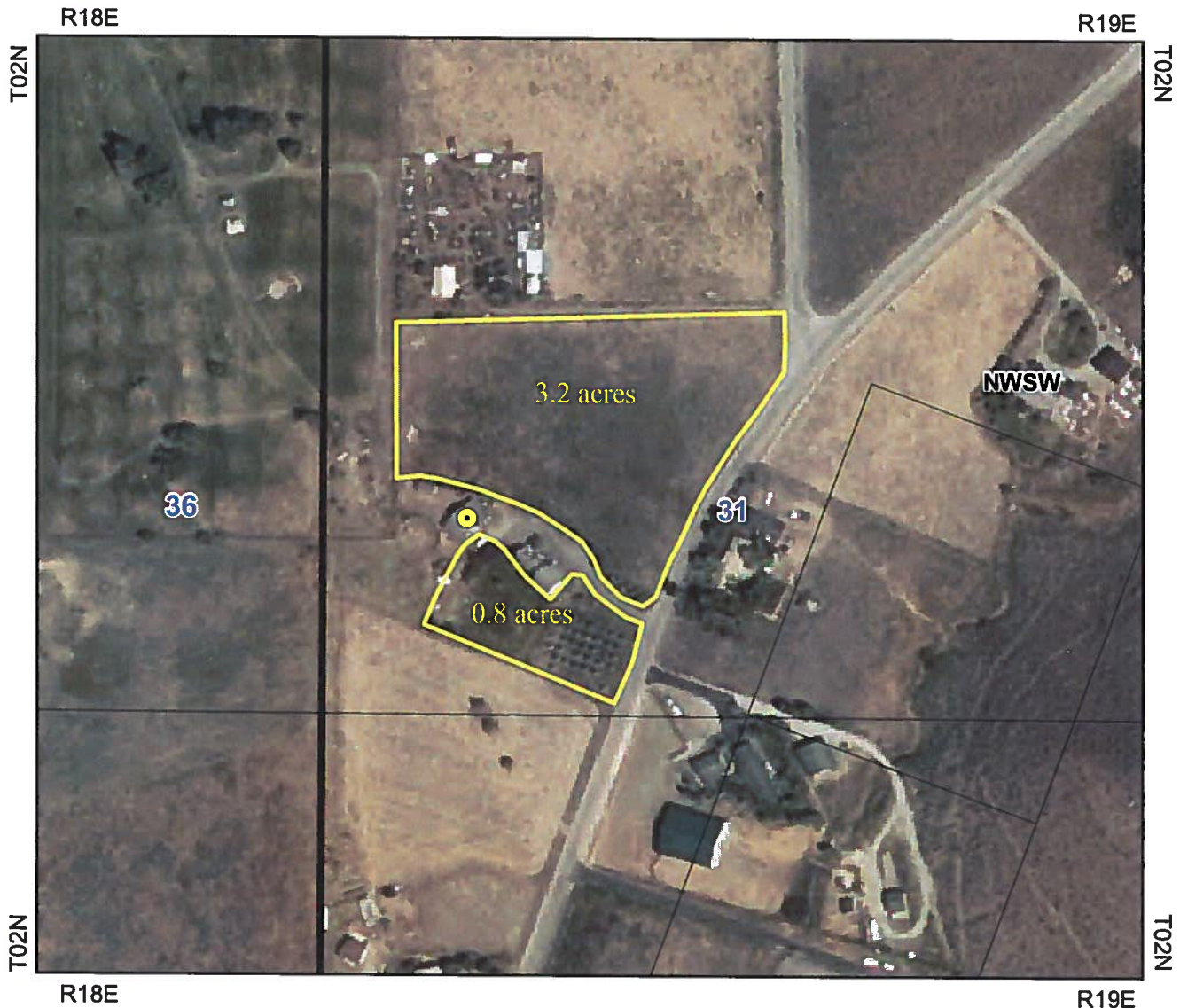
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K. AUTHENTICATION

Field Examiner's Name Chad Hensley Date 1-7-2013
Reviewer _____ Date _____

State of Idaho
Department of Water Resources**Attachment To Water Right License**
37-8811

This map depicts the IRRIGATION place of use boundary for this water right at the time of this approval and is attached to the approval document solely for illustrative purposes.



0 0.03 0.06 0.12 Miles

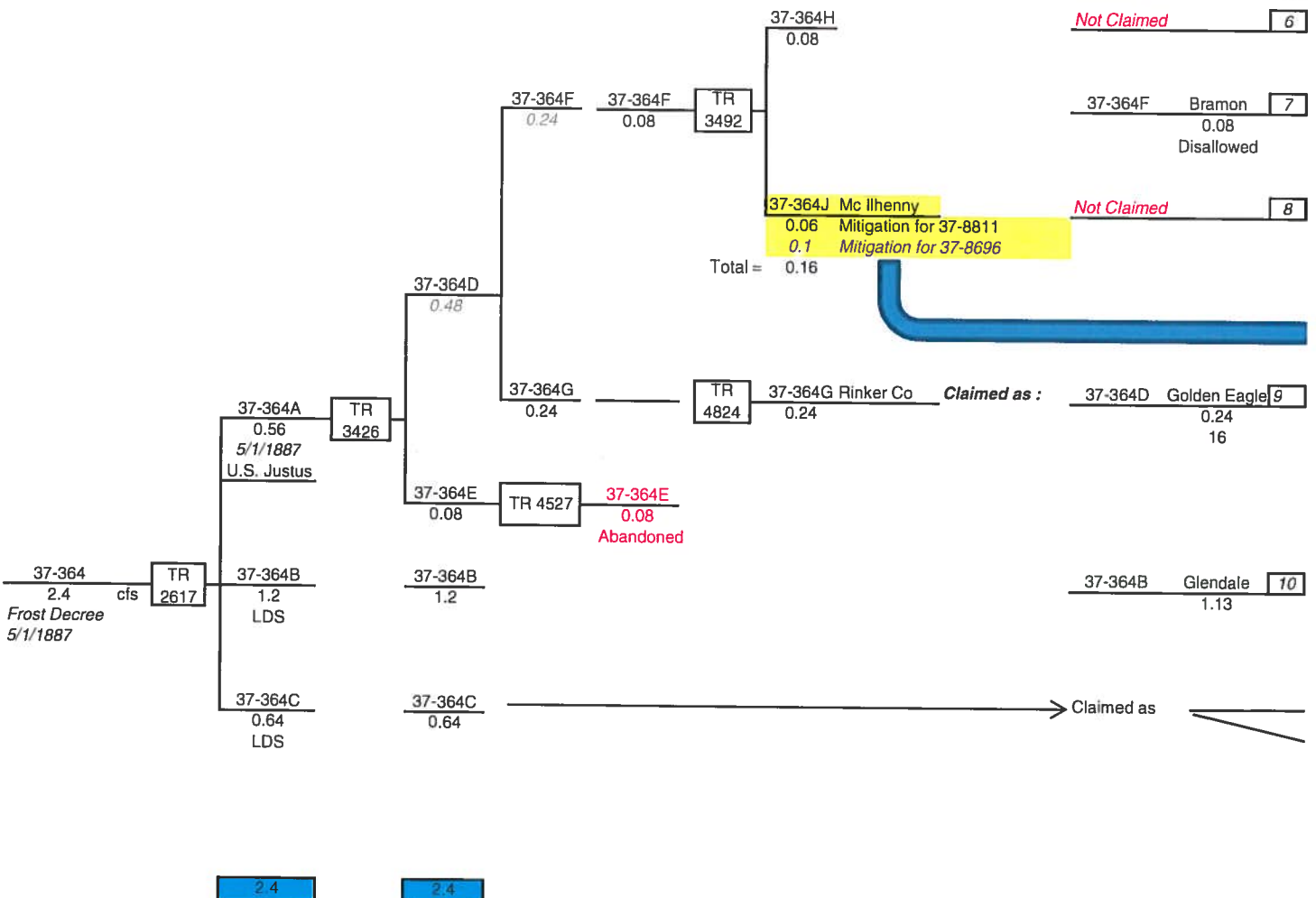
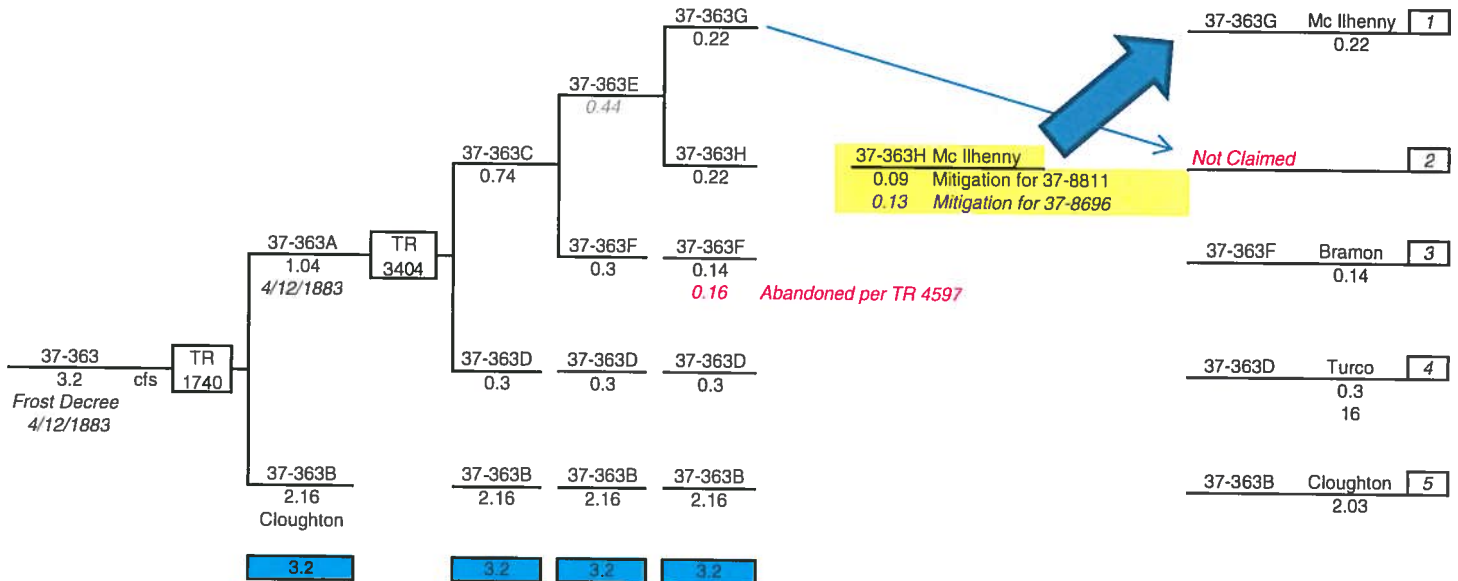
-  Point of Diversion
-  Place Of Use Boundary
-  Townships
-  PLS Sections
-  Quarter Quarters



Split History for 37-363 and 37-364

WR History

SRBA Claim History



Split History for 37-363 and 37-364

Recommendation		Decreed	
1	37-363G Mc Ihenny 0.22	37-363G Mc Ihenny 0.22 4/12/1883	Mitigation for 37-8696 and 37-8811
2	Not Claimed	Not Claimed Deadline 1/31/13	0.22
3	37-363F Bramon 0.14 4.8	37-363F Bramon 0.14 4.8 4/12/1883	
4	37-363D Turco 0.3 16	37-363D Turco 0.3 16 4/12/1883	
5	37-363B Cloughton 1.63 0.1	37-363B Cloughton 1.63 0.1	Irr Mitigation
		Sum CFS = 2.77 Extra CFS = 0.43	
6	Not Claimed	Not Claimed	0.08
7	37-364F Bramon 0.08 Disallowed	37-364F Bramon 0.08 Disallowed	
8	Not Claimed	Not Claimed Deadline 1/31/13	
		37-364G Mc Ihenny 0.16	Mitigation for 37-8696 and 37-8811
9	37-364D Golden Eagle 0.24 16	37-364D Golden Eagle 0.24 16 5/1/1887	
		37-364E 0.08 Abandoned	
10	37-364B Glendale 1.2 60	37-364B Glendale 1.2 60 5/1/1887	
		37-21727 Hardee Construction 0.31 0.02 5/1/1887	Irr Mitigation
		37-21728 Major 0.29 0.02	Irr Mitigation
		Sum CFS = 2.24 Extra CFS = 0.16	Irr