

Weathers Wetland Mitigation Bank  
2291 Waconda Road  
Gervais, OR

## **Annual Monitoring Report**

July 2009

## TABLE OF CONTENTS

1.0	REGULATORY APPROVAL AND HISTORY .....	1
2.0	GRADING WORK.....	1
3.0	HYDROLOGY MONITORING .....	1
4.0	VEGETATION.....	1
5.0	SITE MAINTENANCE.....	2
6.0	PHOTO POINT MONITORING.....	2
7.0	BANK CREDIT SALES SUMMARY.....	2
8.0	CREDIT RELEASE.....	3

## LIST OF TABLES

Table 1 - Credit History Summary  
Table 2 - Credit Sale Summary  
Table 3 - Credit Availability

## ATTACHMENTS

Attachment 1     Site Photos

## 1.0 REGULATORY APPROVAL AND HISTORY

The Weathers Wetland Mitigation Bank (Bank) is submitting the 2009 Annual Monitoring Report as required. The Bank was approved via the Memorandum of Agreement (MOA) signed by the Bank sponsors Harley and Emilie Weathers, Don Causey and the members of the Mitigation Bank Review Team (MBRT) now known as the Interagency Review Team (IRT). The MOA is based upon the Final Banking Document (Instrument) dated July 1998. Bank updates were then submitted in 2002 and 2005. The 2002 update included a reduction in the Bank's acreage from 13.69 acres to 12.46 acres and reclassification of some "created wetlands" to "buffer". The 2005 update involved reclassifying 0.11 acres that had been classified "buffer" in 2002 to "restored wetland" due to its quality. Table 1 - Credit History Summary, outlines the credit history for the Bank.

**Table 1 - Credit History Summary**

	<b>Mitigation Type</b>	<b>Acres</b>	<b>Credit Ratio</b>	<b>Credits Earned</b>
<b>Original 1998</b>	Restoration	7.63	1:1	7.63
	Creation	6.06	1½:1	4.04
	Buffer		10:1	
	Total	13.69		11.67
<b>2002 Update</b>	Restoration	7.63	1:1	7.63
	Creation	1.73	1½:1	1.15
	Buffer	3.10	10:1	0.31
	Total	12.46		9.09
<b>2005 Update</b>	Restoration	7.74 (+0.11 ac)	1:1	7.74
	Creation	1.73	1½:1	1.15
	Buffer	2.99 (-0.11 ac)	10:1	0.30
	Total	12.46		9.19

## 2.0 GRADING WORK

The original grading was done in 1998 with some corrective actions occurring in October 2001. The current grading meets all the specifications defined in the Weathers Wetland Mitigation Final Instrument. As of July 2009, all structures are sound and functioning as designed. No additional grading work has been conducted.

## 3.0 HYDROLOGY MONITORING

No further monitoring of the hydrology is being conducted.

## 4.0 VEGETATION

Initial planting of the Bank occurred in 1998 and 1999, with some reseeding occurring after the grading in 2001. Some small areas of seeding have occurred over the years, but none has occurred in the last four years. The shrub and overstory plant communities are well established and they are performing extremely well. The emergent zones are less than originally planned, but

wet prairie has successfully been created in its place. It is anticipated that as the Bank ages, the shrub and overstory communities will continue to spread and dominant.

## 5.0 SITE MAINTENANCE

Management of invasive plant species continues to be a priority. In the past the species being controlled with spot herbicide application and/or seed head removal included Himalayan blackberry (*Rubus discolor*), Canadian thistle (*Cirsium arvense*), reed canary grass (*Phalaris arundinacea*) and pennyroyal (*Mentha pulegium*). During the most recent annual site visit (July 2009), it became apparent that attempts to stop pennyroyal on site had failed. The emergent, lowest portions of the site have become dominated by pennyroyal. The IRT, determined that any efforts to get rid of the pennyroyal at this point could potentially do more damage than good. Additionally, the pennyroyal occupies the lowest portions of the emergent zone, which has and will continue to limit its spread within the Bank.

Management of the previously listed invasive species needs to continue. In addition to these species, two new invasive species were noted during the site visit that needs to be added to the intensive management list. Tansy (*Tanacetum vulgare*) and teasel (*Dipsacus sylvestris*) both need to be included in the invasive species control on the Bank. Tansy is currently concentrated in one small area on one of the smaller islands in the southeast part of the Bank. Teasel occupies a more lineal area along the west side of the Bank.

## 6.0 PHOTO POINT MONITORING

Photos were taken in July 2009 at the assigned photos points and are included as Attachment 1.

## 7.0 BANK CREDIT SALES SUMMARY

Table 2 includes a summary of all the credit sales, since the inception of the Bank.

**Table 2 - Credit Sale Summary**

<b>Date</b>	<b>Name</b>	<b>DSL Permit #</b>	<b>ACOE Permit #</b>	<b>Credits Purchased</b>
11/1998	<i>Initial Credit Release 2.92 credits</i>			
1/20/00	Salem/Keizer Schools	FP16899	1999-320	2.00
10/3/00	Salem/Keizer Schools	FP22931	2000-710	0.03
5/15/00	Terra Rose Care Center	FP21946	2000-0021	0.50
8/13/02	Outlook Subdivision	FR24934	2000-970	0.13

3/2002	Credit Release 5.59 credits			
2/02/03	ODOT	GA26461	2003-0010	0.12
9/29/03	Oregon Flower, Inc.	FR26179	2002-0084	0.06
3/24/04	Web Lake Developers	31143	2003-00624	0.19
5/17/04	Pioneer Village, Phase 2	31717	2004-00098	0.18
5/26/04	Mit. Bank Revolving Fund	none	none	0.17
9/1/04	Harford Project Boones Crossing	32630	2004-00447	0.84
11/04/04	ODOT	GA33314	2004-00074	0.19
3/5/05	Keizer Station	RP32064	2004-00216	0.41
8/5/05	Emery and Sons - Stayton Sewer	RP344667	2005-00364	0.39
6/1/06	Applied Technology - Mooney Rd. Subdivision	FP36844		0.14
7/1/06	Marion County - Mineral Spring	21604-GA		0.039
10/1/06	Terra Science - Ike Mooney Rd	36844-FP		0.14
5/22/07	Marion County	38382-FP	2007-364	0.12
4/3/08	Webb Lake Phase 2	34547-RF	2003-00624	0.22
5/7/08	Salvation Army – Kroc Center	39494-RF	2007-00939	1.05
<b>Total Credit Sales</b>				<b>6.919</b>

*duplicate*

**8.0 CREDIT RELEASE**

The first credit release was in November 1998 for 2.92 credits and the second release was in March 2002 for 5.59 credits, for a total credit release of 8.51 credits. No credits have been released since that time. During the IRT site tour on June 13, 2007, the IRT agreed that the final 0.68 credits could be released. This release was again discussed at the July 23, 2009 IRT site visit. With the submittal of this report we are again requesting release of these credits. Table 3 outlines the credit availability.

**Table 3 - Credit Availability**

<b>Credit Summary</b>	<b>Acres</b>
Credits Released	8.51
Pending Credit Release	0.68
Total Potential Credits	9.19
Total Credits Sold to Date	6.919
Total Potential Unsold Credits	2.271



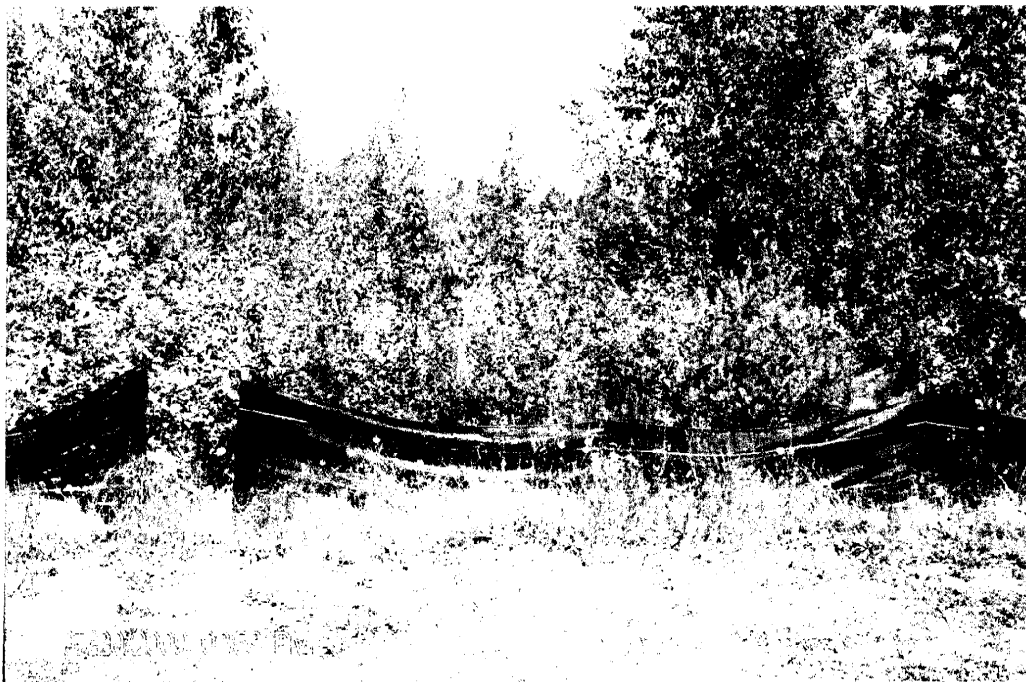
**Figure 1 - Looking east to west**



**Figure 2 - Looking east to west**



**Figure 3 - Looking east to west**



**Figure 4 - Looking west to east**



**Figure 5 - Looking north to south**



**Figure 6 - Looking south to north**