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Appendix A: Educational Resources

ALL THE FOLLOWING FACTSHEETS CAN BE FOUND AT:
<http://clark.wsu.edu/horticulture/smallFarmProgram.html>

RESOURCE LIST

IMPROVING DRAINAGE: KEEPING CLEAN WATER CLEAN AND REDUCING MUD

SACRIFICE AREAS: REDUCE MUD & KEEP WATER CLEAN

PROPERLY LANDSCAPE YOUR SEPTIC SYSTEM: SAVE TIME AND MONEY

INSPECTING YOUR SEPTIC SYSTEM: PROTECTING YOUR INVESTMENT

MANAGING MANURE: TIPS FOR COLLECTION, STORAGE AND DISPOSAL

WATER QUALITY SELF ASSESSMENT GUIDE FOR SMALL ACREAGES

Appendix B: Living on the Land Graduation Certificate

Certificate of Graduation George Angell



Satisfactorily Completed
Living on the Land: Stewardship for Small Acreages.

November 29, 2005

Douglas M. Stienbarger, Director
WSU Clark County Extension

Erin Harwood, Small Acreage Program
Coordinator, WSU Clark County Extension



Clean Water Program



Clark Conservation District

Appendix C: LOL Evaluation Summaries

LOL CLASS EVALUATION SUMMARY
SPRING 2005

LOL PROGRAM EVALUATION SUMMARY
SPRING 2005

LOL CLASS EVALUATION SUMMARY
FALL 2005

LOL PROGRAM EVALUATION SUMMARY
FALL 2005

LOL CLASS EVALUATION SUMMARY - SPRING 2005

		2/24/05					
Inventory		low			high		Average
		1	2	3	4	5	
Doug Stienbarger WSU EXT	Was this lesson:	1	2	3	4	5	
	Current, up to date?			3	10	14	4.4
	Understandable?			3	10	14	4.4
	Presented in an interesting way?	1		3	10	13	4.3
	Did the program answer all the questions you had?		2	7	14	4	3.7
	Did learn new things?	1		8	13	6	3.8
	Will you use the information learned?		4	8	15		4.4
	Was this program worth your time?		1	2	10	15	4.4
40 Participants							4.2
28 Evaluations Completed		3 hours					
120 contact hours		70% % evals complete					

		3/3/05					
Inventory		low			high		Average
		1	2	3	4	5	
Doug Stienbarger WSU EXT Scott Melville - CC Code Enforcement	Was this lesson:						
	Current, up to date?			2	7	14	4.5
	Understandable?				9	14	4.6
	Presented in an interesting way?				9	14	4.6
	Did the program answer all the questions you had?			5	7	11	4.3
	Did learn new things?			5	7	11	4.3
	Will you use the information learned?			2	7	14	4.5
	Was this program worth your time?				8	15	4.7
35	Participants						4.5
23	Evaluations Completed	3 hours					
105	contact hours	66% % evals complete					

		3/10/05					
Business of Horticulture		low			high		Average
		1	2	3	4	5	
Charles Brun - WSU Ext.	Was this lesson:						
	Current, up to date?				3	14	4.8
	Understandable?			1	3	14	4.7
	Presented in an interesting way?			1	2	14	4.8
	Did the program answer all the questions you had?			2	7	8	4.4
	Did learn new things?			1	9	8	4.4
	Will you use the information learned?		2	3	2	10	4.2
	Was this program worth your time?		1		5	10	4.5
29 Participants							4.5
17 Evaluations Completed		3 hours					
87 contact hours		59% % evals complete					

		3/10/05					
Animal Ownership		low			high		Average
Erin Harwood - WSU Ext.	Was this lesson:	1	2	3	4	5	
	Current, up to date?			3	7	13	4.4
	Understandable?			3	6	14	4.5
	Presented in an interesting way?			3	5	14	4.5
	Did the program answer all the questions you had?	1	2	3	6	12	4.1
	Did learn new things?	1	2	2	8	10	4.0
	Will you use the information learned?	2		4	3	13	4.1
	Was this program worth your time?	1	1	4	3	14	4.2
29 Participants							4.3
23 Evaluations Completed		3 hours					
87 contact hours		79% % evals complete					

3/17/05						
Soils	low			high		Average
Steve Keirn - Clark CD	Was this lesson:	1	2	3	4	5
	Current, up to date?			1	8	9
	Understandable?		2	2	7	8
	Presented in an interesting way?			4	4	11
	Did the program answer all the questions you had?	1		5	7	6
	Did learn new things?		3	3	5	8
	Will you use the information learned?			3	6	10
	Was this program worth your time?	1		4	3	11
28 Participants						4.2
19 Evaluations Completed						3 hours
84 contact hours						68% % evals complete

3/24/05						
Managing Animals	low			high		Average
Erin Harwood - WSU Ext.	Was this lesson:	1	2	3	4	5
	Current, up to date?			1	5	7
	Understandable?				6	8
	Presented in an interesting way?				6	8
	Did the program answer all the questions you had?				9	5
	Did learn new things?			1	5	8
	Will you use the information learned?				5	9
	Was this program worth your time?				6	8
24 Participants						4.5
Evaluations Completed						3 hours
72 contact hours						0% % evals complete

3/31/05						
Managing Soil	low			high		Average
Craig Cogger WSU Puyallup	Was this lesson:	1	2	3	4	5
	Current, up to date?				3	17
	Understandable?			2	5	13
	Presented in an interesting way?			1	6	13
	Did the program answer all the questions you had?			1	8	11
	Did learn new things?			2	5	13
	Will you use the information learned?			1	7	12
	Was this program worth your time?			1	6	13
25 Participants						4.6
20 Evaluations Completed						3 hours
75 contact hours						80% % evals complete

4/7/05						
Grazing Mgmt	low			high		Average
Gary Fredricks - WSU Ext.	Was this lesson:	1	2	3	4	5
	Current, up to date?				2	14
	Understandable?				1	15
	Presented in an interesting way?				2	14
	Did the program answer all the questions you had?				13	3
	Did learn new things?				2	14
	Will you use the information learned?			3	1	12
	Was this program worth your time?				2	14
24 Participants						4.7
16 Evaluations Completed						3 hours
72 contact hours						67% % evals complete

4/14/05						
Pasture Establishment	low			high		Average
Gene Pirelli - OSU Ext.	1	2	3	4	5	
Was this lesson:				4	11	4.7
Current, up to date?				1	14	4.9
Understandable?				3	12	4.8
Presented in an interesting way?				5	10	4.7
Did the program answer all the questions you had?				8	7	4.5
Did learn new things?		1	1	4	9	4.4
Will you use the information learned?			1	3	11	4.7
Was this program worth your time?						
25 Participants						4.7
15 Evaluations Completed					3 hours	
75 contact hours					60% % evals complete	

4/21/05						
Weed Mgmt	low			high		Average
Phil Burgess CC Weed Dept.	1	2	3	4	5	
Was this lesson:					18	5.0
Current, up to date?					18	5.0
Understandable?					18	5.0
Presented in an interesting way?					18	5.0
Did the program answer all the questions you had?				2	15	4.9
Did learn new things?				1	17	4.9
Will you use the information learned?				1	17	4.9
Was this program worth your time?				1	17	4.9
24 Participants						5.0
18 Evaluations Completed					3 hours	
72 contact hours					75% % evals complete	

4/28/05						
Water Quality	low			high		Average
Cary Armstrong CC Clean Water Dept.	1	2	3	4	5	
Was this lesson:			1	3	9	4.6
Current, up to date?			1	1	10	4.8
Understandable?			1	2	10	4.7
Presented in an interesting way?			2	2	8	4.5
Did the program answer all the questions you had?			3	2	8	4.4
Did learn new things?			2	3	8	4.5
Will you use the information learned?		1	1	2	9	4.5
Was this program worth your time?						
21 Participants						4.6
13 Evaluations Completed					3 hours	
63 contact hours					62% % evals complete	

5/5/05						
Wells & Septics	low			high		Average
Reuel Emory Joe Ellingson CC Health Dept.	1	2	3	4	5	
Was this lesson:				1	9	4.9
Current, up to date?				1	9	4.9
Understandable?				3	7	4.7
Presented in an interesting way?				2	5	4.7
Did the program answer all the questions you had?				5	8	4.6
Did learn new things?				2	8	4.8
Will you use the information learned?				2		4.0
Was this program worth your time?						
22 Participants						4.7
10 Evaluations Completed					3 hours	
66 contact hours					45% % evals complete	

		5/12/05					
Place On Stream		low			high		Average
Gary Bock WSU Ext.	Was this lesson:	1	2	3	4	5	
	Current, up to date?				3	13	4.8
	Understandable?				5	11	4.7
	Presented in an interesting way?				5	11	4.7
	Did the program answer all the questions you had?			2	3	11	4.6
	Did learn new things?		1	2	3	10	4.4
	Will you use the information learned?		1	2	3	10	4.4
	Was this program worth your time?		1	1	4	10	4.4
22 Participants							4.6
16 Evaluations Completed	3 hours						
66 contact hours	73% % evals complete						

5/12/05						
Overall Program Evaluation	low			high		Average
	1	2	3	4	5	
Overall score?				5	13	4.7
Answer most of your questions?				2	12	4.9
Did you learn useful information?				6	14	4.7
How much will you use information to change practices?			3	3	10	4.4
						4.8
Too short		About right		Too long		Average
The program series was:		3	9	5	1	3.2

LOL CLASS EVALUATION SUMMARY - FALL 2005

		9/13/05					
Inventory		low				high	Average
		1	2	3	4	5	
Doug Stienbarger WSU EXT	Was this lesson:						
	Current, up to date?			3	10	12	4.4
	Understandable?			3	9	12	4.4
	Presented in an interesting way?			3	9	13	4.4
	Did the program answer all the questions you had?			12	8	5	3.7
	Did learn new things?		2	6	9	7	3.9
	Will you use the information learned?			4	10	11	4.3
	Was this program worth your time?		1	3	7	14	4.4
30	Participants						4.2
25	Evaluations Completed	3 hours					
90	contact hours	83% % evals complete					

		9/20/05					
Inventory		low			high		Average
		1	2	3	4	5	
Doug Stienbarger WSU EXT Scott Melville - CC Code Enforcement	Was this lesson:	1	2	3	4	5	
	Current, up to date?			1	5	17	4.7
	Understandable?				6	18	4.8
	Presented in an interesting way?			1	6	16	4.7
	Did the program answer all the questions you had?			4	12	7	4.1
	Did learn new things?			6	8	9	4.1
	Will you use the information learned?			2	10	11	4.4
	Was this program worth your time?		1	1	5	17	4.6
31	Participants						4.5
24	Evaluations Completed	3 hours					
93	contact hours	77% % evals complete					

9/27/05						
Caring for Animals		low			high	Average
Erin Harwood - WSU Clark Co	Was this lesson:	1	2	3	4	5
	Current, up to date?			2	9	4
	Understandable?			1	9	4
	Presented in an interesting way?		1	5	6	4
	Did the program answer all the questions you had?		4	5	4	1
	Did learn new things?	1	2	6	8	
	Will you use the information learned?	1	2	4	5	3
	Was this program worth your time?	2	2	3	6	1
24 Participants						3.6
15 Evaluations Completed		3 hours				
72 contact hours		63% % evals complete				

10/4/05						
Water Quality		low			high	Average
Cary Armstrong - Clark County	Was this lesson:	1	2	3	4	5
	Current, up to date?			3	1	15
	Understandable?			2	3	14
	Presented in an interesting way?	1		2	3	14
	Did the program answer all the questions you had?	1	1	1	9	7
	Did learn new things?	2		2	10	6
	Will you use the information learned?	1	1		8	9
	Was this program worth your time?	1	1	2	5	10
27 Participants						4.3
20 Evaluations Completed		3 hours				
81 contact hours		74% % evals complete				

10/11/05						
Business of Horticulture		low			high	Average
Charles Brun - WSU Clark County Extension	Was this lesson:	1	2	3	4	5
	Current, up to date?				3	11
	Understandable?				3	10
	Presented in an interesting way?			2	4	7
	Did the program answer all the questions you had?		1	3	4	7
	Did learn new things?		1	4	7	2
	Will you use the information learned?		3	4	4	3
	Was this program worth your time?		2	2	4	6
20 Participants						4.2
15 Evaluations Completed		3 hours				
60 contact hours		75% % evals complete				

10/11/05						
Attracting Wildlife w/ Native Plants		low			high	Average
Dean Longrie - Clark CD	Was this lesson:	1	2	3	4	5
	Current, up to date?		1	5	3	2
	Understandable?		1	5	3	2
	Presented in an interesting way?	2	2	4	1	2
	Did the program answer all the questions you had?		3	4	2	2
	Did learn new things?	1	4	1	4	1
	Will you use the information learned?	2	1	3	2	3
	Was this program worth your time?	1	2	4	1	3
20 Participants						3.3
11 Evaluations Completed		3 hours				
60 contact hours		55% % evals complete				

		10/18/05				
Managing Soil		low			high	Average
Craig Cogger - WSU Puyallup	Was this lesson:	1	2	3	4	5
	Current, up to date?				4	14
	Understandable?			1	5	12
	Presented in an interesting way?			2	5	11
	Did the program answer all the questions you had?			2	7	9
	Did learn new things?		1	1	6	10
	Will you use the information learned?			1	7	10
	Was this program worth your time?			1	4	13
20 Participants						4.5
18 Evaluations Completed		3 hours				
60 contact hours		90% % evals complete				

		10/25/05				
Pasture Establishment		low			high	Average
Gene Pirelli - OSU Ext	Was this lesson:	1	2	3	4	5
	Current, up to date?				1	16
	Understandable?			1	3	13
	Presented in an interesting way?			1	4	12
	Did the program answer all the questions you had?			2	3	12
	Did learn new things?			2	2	13
	Will you use the information learned?			2	3	12
	Was this program worth your time?			2	2	13
19 Participants						4.7
17 Evaluations Completed		3 hours				
57 contact hours		89% % evals complete				

		11/1/05				
Managing Animals		low			high	Average
Andy Bary - WSU Puyallup	Was this lesson:	1	2	3	4	5
	Current, up to date?			1	7	10
	Understandable?			1	7	10
	Presented in an interesting way?			2	5	11
	Did the program answer all the questions you had?			3	11	4
	Did learn new things?				13	5
	Will you use the information learned?			2	4	12
	Was this program worth your time?			2	4	12
23 Participants						4.4
18 Evaluations Completed		3 hours				
69 contact hours		78% % evals complete				

		11/8/05				
Grazing Management		low			high	Average
Gary Fredricks - WSU Clark Co	Was this lesson:	1	2	3	4	5
	Current, up to date?				6	13
	Understandable?				5	14
	Presented in an interesting way?				5	14
	Did the program answer all the questions you had?			1	4	14
	Did learn new things?			1	5	13
	Will you use the information learned?			1	5	13
	Was this program worth your time?			2	3	14
23 Participants						4.7
19 Evaluations Completed		3 hours				
69 contact hours		83% % evals complete				

11/15/05						
Protecting Drinking Water	low			high		Average
	1	2	3	4	5	
Was this lesson:						
Current, up to date?			2	2	3	4.1
Understandable?			1	3	2	4.2
Presented in an interesting way?		1	1	2	2	3.8
Did the program answer all the questions you had?			2	3	2	4.0
Did learn new things?			1	2	4	4.4
Will you use the information learned?			2		5	4.4
Was this program worth your time?			2	1	4	4.3
15 Participants						4.2
7 Evaluations Completed	3 hours					
39 contact hours	47% % evals complete					

11/22/05						
Weeds	low			high		Average
	1	2	3	4	5	
Was this lesson:						
Current, up to date?			1		13	4.9
Understandable?				2	12	4.9
Presented in an interesting way?				4	10	4.7
Did the program answer all the questions you had?		1		4	9	4.5
Did learn new things?				3	11	4.8
Will you use the information learned?				2	12	4.9
Was this program worth your time?				2	12	4.9
15 Participants						4.8
14 Evaluations Completed	3 hours					
45 contact hours	93% % evals complete					

11/29/05						
My Place on a Stream	low			high		Average
	1	2	3	4	5	
Was this lesson:						
Current, up to date?			1	4	10	4.6
Understandable?			1	4	10	4.6
Presented in an interesting way?			2	2	11	4.6
Did the program answer all the questions you had?			5	4	6	4.1
Did learn new things?			5	4	5	4.0
Will you use the information learned?		1	6	4	4	3.7
Was this program worth your time?			3	4	8	4.3
23 Participants						4.3
15 Evaluations Completed	3 hours					
69 contact hours	65% % evals complete					

11/29/05						
Overall Program Evaluation	low			high		Average
	1	2	3	4	5	
Overall score?				9	13	4.6
Answer most of your questions?		1	3	8	10	4.2
Did you learn useful information?			3	2	17	4.6
How much will you use information to change practices?			6	9	5	4.0
						4.5
	Too short	About right	Too long	Average		
The program series was:			13	9		3.4
23 Participants						
23 Evaluations Completed	3 hours					
69 contact hours	100% % evals complete					

Appendix D: LOL Publicity & Promotion

LOL DIRECT MAILING - JANUARY 2005

EXAMPLE PRESS RELEASE - AUGUST 30, 2005

PAID ADS

THE REFLECTOR AUGUST 23, 2005

THE REFLECTOR AUGUST 31, 2005

CAMAS/WASHOUGAL POST-RECORD AUGUST 23, 2005

CAMAS/WASHOUGAL POST-RECORD AUGUST 31, 2005

LOL PROMOTION / ADS

CLARK COUNTY FYI JANUARY 24, 2005

WSU EXTENSION NEWSLETTER JANUARY 25, 2005

THE OREGONIAN FEBRUARY 11, 2005

THE REFLECTOR FEBRUARY 16, 2005

THE REFLECTOR FEBRUARY 16, 2005

THE OREGONIAN FEBRUARY 16, 2005

THE REFLECTOR SEPTEMBER 7, 2005

LOL FLYER

LOL DIRECT MAILING - JANUARY 2005

January 18, 2005

Dear Friends and Neighbors,

Greetings! You are invited to attend the winter session of **“Living on the Land - Stewardship for Small Acreages”** workshop series for small acreage landowners in Clark County. This series is funded by the Clark County Clean Water Program, WSU Clark County Extension and the Clark Conservation District. The series is free but **space is limited so please don't delay.**

What Do You Gain From Attending?

- You will receive an information packet on addressing common small acreage concerns.
- Learn how to preserve and/or improve the value of your land and home.
- Guidance in identifying goals, resources and opportunities for your property.
- Tips on how to reduce mud by improving drainage, reduce erosion, and enhance soil fertility
- Understand what you can do to keep your drinking water and streams clean.
- Develop ideas and strategies to sustain or improve your acreage by becoming a better resource manager and save money and time.

What's Your Commitment?

Classes meet one night a week for twelve weeks with three optional Saturday field trips. While we know that life happens, for you to get the maximum benefit from this training, we expect you to commit to attending all of the classes and to let us know if something comes up and you must miss a class. Many sessions build on the previous classes to provide a basic, holistic understanding of soil, water, plant, and animal interactions.

“Living on the Land - Stewardship for Small Acreages”

Thursday, February 24 to May 12, 2004 - 6:30 to 9:30 P.M.

Center for Agriculture Science and Environmental Education (CASEE)

11104 NE 149th Street

Brush Prairie WA 98606

To register, please call (360) 397-6060 ext.0. If you are unable to make this session, but are interested in being placed on the waiting list for future workshops please call (360) 397-6060 ext.7720. Program information is also available at www.clark.wa.gov/water-resources/education/acreage.html

Erin Harwood
Small Acreage Program Coordinator

Sponsored by the Clark County Clean Water Program, the Clark Conservation District and WSU Clark County Extension.



Clean Water Program



Clark Conservation
District

WSU Extension programs and employment are available to all without discrimination. Evidence of noncompliance may be reported through your local Extension office. If you require special accommodation, call WSU Extension Clark County at (360) 397- 6060 ext 0 at least two weeks prior to the event.

EXAMPLE PRESS RELEASE

For Immediate Release

August 30, 2005

Contact: Erin Harwood
WSU Extension Clark County
Tel: 360-397-6060 ext. 7720
Fax: 360-397-6122

Small Acreage Program Opens Registration for Living on the Land Class Series.

Brush Prairie, WA – Would you like to learn how to reduce mud and weeds, improve pasture and soil quality, keep your animals healthy, and reduce chore time? Join us for the twelve week *Living on the Land – Stewardship for Small Acreages* series of workshops sponsored by WSU Extension Clark County, the Clark County Clean Water Program and the Clark Conservation District. The series provides a basic, holistic understanding of soil, water, plant and animal interactions.

“This course deals with the issues landowners must address when trying to manage their land. *Living on the Land* teaches small acreage landowners management practices that will improve their property,” says Doug Stienbarger, Director of WSU Extension Clark County. Erin Harwood, Program Coordinator, adds, “There are many small acreage landowners in Clark County and we want to provide them with information on how to best manage their property for themselves, their animals, and the environment.”

“Living on the Land - Stewardship for Small Acreages”

Tuesdays, September 13 to November 29, 2005 - 6:30 to 9:30 PM

Registration is free but class size is limited. Please call 360-397-6060 ext. 0 to register, get directions, or for more information about the WSU Extension Clark County’s Small Acreage Program.

WSU Extension programs are available to all without discrimination. Persons requiring special accommodations should call WSU Clark County at (360) 397-6060 ext. 0 at least two weeks prior to the event.

###

PAID ADS

The Reflector, August 23, 2005, Page B4

The Reflector, August 31, 2005, Page A12

Camas/Washougal Post-Record, August 23, 2005 Page A3

Camas/Washougal Post-Record, August 31, 2005 Page B3

Live on Acreage?

Do You Want to.....

Reduce chore time?

Reduce mud?

Make your property
look better?

Improve the well-being
of your animals?

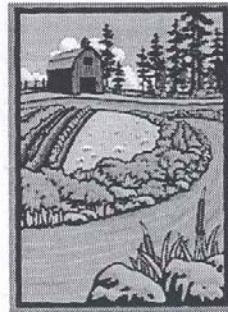
Enhance your soils and
pasture?

Protect your drinking
water and streams?

Properly store &
compost manure?

If you answered YES! to any of these
questions, then Living on the Land is for you!

**Living
On
the Land**
A Program for
Small Acreages



Sept. 13 to Nov. 29, 2005

Tuesday nights

6:30 - 9:30 pm

CASEE CENTER

**PRE-REGISTRATION
REQUIRED
CLASS SIZE LIMITED**

Call (360) 397-6060 x0 to register or for more information.

Jointly Sponsored By:



Clean Water Program



Clark Conservation District

WSU Extension programs are available to all without discrimination. Persons requiring special accommodations should call WSU Clark County Extension at (360) 397-6060 ext. 0 at least two weeks prior to the event.

LOL PROMOTION / ADS

THE REFLECTOR FEBRUARY 16, PAGE A10

Calendar of Events

SMALL ACREAGE WORKSHOP series on mud and weed reduction, pasture and soil improvement and animal health slated for Thursdays, Feb. 24-May 12, 6:30-9:30 p.m., through Washington State University Cooperative Extension Clark County. Free, but registration required. Limited to 40 people. 397-6060, ext. 7720.

THE REFLECTOR
SEPTEMBER 7, 2005
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LIVING ON THE LAND. Stewardship for Small Acreages class begins Tues., Sept. 13, 6:30-9:30 p.m., WSU Extension. Classes are every Tuesday until Nov. 29. Free, class size is limited. 397-6060, ext. 0 to register.

Twelve-week *Living on the Land* Workshops are held for small acreage landowners

Clark County's Clean Water Program, WSU Extension Clark County, and the Clark Conservation District are sponsoring a series of workshops called *Living on the Land - Stewardship for Small Acreages*.

The series provides a basic, holistic understanding of soil, water, plant, and animal interactions for Clark County residents. Topics will include mud and manure management, animal care, improving soil quality, pasture and grazing management, and water quality.

Workshops will be held from 6:30 to 9:30 p.m. every Thursday from February 24 to May 12 at the CASEE Center in Brush Prairie.

Registration is free but class size is limited to 40 participants. Landowners may also attend individual workshops if desired. *Please call (360) 397-6060 ext. 0 to register, get directions, or for more information about the WSU Extension Clark County's Small Acreage Program.*

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Feb. 16, 2005 - The Reflector - Page A11

Workshop set on small farm lands

"Living on the Land--Stewardship for Small Acreages" is the title of a small acreage program course offered by Washington State University Extension Clark County.

Doug Stienbarger, director of the Cooperative Extension program, said the workshop series will include mud and weed reduction, pasture and soil improvement, and animal health.

The free course will take place Thurs., Feb. 24 through May 12, 6:30-9:30 p.m., and is limited to 40 people. Registration required. Information is available by calling 397-6060, ext. 0.

HOW THE WEST WAS ONE WSU EXTENSION NEWSLETTER, JANUARY 25, 2005

LIVING ON THE LAND - STEWARDSHIP FOR SMALL ACREAGES

Thursday, February 24 to May 12, 2004 - 6:30 to 9:30 P.M.

Center for Agriculture Science and Environmental Education (CASEE)

11104 NE 149th Street

Brush Prairie WA 98606

To register, please call (360) 397-6060 ext.0. The series is free but **space is limited so please don't delay.** If you are unable to make this session, but are interested in being placed on the waiting list for future workshops please call (360) 397-6060 ext.7720. Program information is also available at <http://www.clark.wa.gov/water-resources/education/acreage.html>. [Erin Harwood]

COUNTY CURRENTS

Learn about 'Living on the Land' in free series

BRUSH PRAIRIE — Washington State University's Clark County Extension will sponsor a free 12-week series starting Thursday, Feb. 24: "Living on the Land — Stewardship for Small Acreages."

Registration is now available for the class, which is limited to 40 students. It will meet 6:30 to 9:30 p.m. Thursdays through May 12.

The class is designed to provide a basic understanding of soil, water, plant and animal interactions. "This course deals with the issues landowners must address when trying to manage their land. 'Living on the Land' teaches small acreage landowners management practices that will improve their property," said Doug Stienbarger, county extension director.

The series is co-sponsored by Clark County's Clean Water Program and the Clark Conservation District. For class location and signup, call 360-397-6060, ext. 0.

LOL FLYER

Free series offers tools for owners of acreage

BRUSH PRAIRIE — Washington State University Clark County Extension will sponsor a free 12-week series starting Thursday, Feb. 24, "Living on the Land — Stewardship for Small Acreages."

Registration is available for the class, which is limited to 40 students. The class will meet from 6:30 to 9:30 p.m. Thursdays through May 12.

The class is designed to provide a basic understanding of soil, water, plant and animal interactions.

The series is co-sponsored by Clark County's Clean Water Program and the Clark Conservation District. For class location and signup, call 360-397-6060, ext. 0.

THE OREGONIAN FEBRUARY 16, PAGE B2

Living On The Land Workshop Series



February 24 to May 12, 2005
Thursday nights, 6:30-9:30 PM
CASEE Center
Brush Prairie

Free!

~ Twelve-week series

~ Earth friendly practices improve your land

~ Bring home lots of ideas & reference materials!

**Space is limited to first 50 people!
PRE-REGISTRATION REQUIRED**

Call (360) 397-6118 ext. 0 to register
or for more information

Live on Acreage?

- Reduce chore time!
- Reduce Mud!
- Properly store & compost manure!
- Make your property look better!
- Improve the well-being of your animals!
- Enhance your soils and pasture!
- Protect your drinking water and streams!



Clark County Public Works
Clean Water Program



Clark Conservation District

WSU Extension programs are available to all without discrimination.
Persons requiring special accommodations should call WSU Extension Clark County at (360) 397-6060 ext. 0 at least two weeks prior to the event.

Appendix E: Well & Septic Maintenance Workshops

EXAMPLE PRESS RELEASE – MARCH 7, 2005

EXAMPLE PAID AD

THE REFLECTOR JULY 6, 2005

OTHER ADS

THE COLUMBIAN MARCH 8, 2005

THE OREGONIAN MARCH 10, 2005

THE REFLECTOR APRIL 27, 2005

THE REFLECTOR APRIL 27, 2005

THE OREGONIAN APRIL 28, 2005

THE REFLECTOR MAY 4, 2005

THE REFLECTOR JULY 6, 2005

THE OREGONIAN JULY 6, 2005

CAMAS/WASHOUGAL POST RECORD SEPTEMBER 6, 2005

CAMAS/WASHOUGAL POST RECORD NOVEMBER 8, 2005

SAMPLE PRESS RELEASE

For Immediate Release

March 7, 2005

Contact: Erin Harwood
WSU Extension Clark County
Tel: 360-397-6060 ext. 7720
Fax: 360-397-6122

FREE Wells and Septics Workshop with FREE water testing.

Brush Prairie, WA – Don't let your dollars go down the drain! Attend this FREE workshop and learn how to properly maintain your septic system, prevent costly repairs and protect your drinking water from contamination. This workshop is sponsored by the WSU Extension Clark County, Clark County Health Department, Clark County Clean Water Program, and the Clark Conservation District.

Free well water testing for arsenic will be provided at the workshop. Participants should bring a water sample in a clean glass or plastic container. Homeowners should also bring their well and septic records to class.

"By providing free water testing for homeowners, they have an immediate idea of the quality of their well water," says Randy Phillips, Clark County Health Department. Erin Harwood, WSU Extension Clark County, adds, "This workshop is great for rural and suburban landowners looking for basic information about how wells and septic systems work."

"Maintenance of Wells and Septic Systems for Homeowners"

Tuesday, March 15, 2005 - 6:30 to 9:00 PM

Clark County Fire District #3

17718 NE 159th Street

Brush Prairie, WA

Registration is free but class size is limited, please call 360-397-6060 ext. 0 to register and for more information and details.

WSU Extension programs are available to all without discrimination. Persons requiring special accommodations should call WSU Clark County at (360) 397-6060 ext. 0 at least two weeks prior to the event.

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Around the County

BRUSH PRAIRIE

Programs offer free septic workshop

A free workshop will be offered March 15 for homeowners to learn how to properly maintain septic systems, prevent costly repairs and protect drinking water from contamination.

The three-hour workshop will begin at 6:30 p.m. at Clark County Fire District No. 3, 17718 N.E. 159th St., Brush Prairie.

The workshop is sponsored by Washington State University Cooperative Extension-Clark County, the Clark County Health Department, the county's Clean Water Program and the Clark Conservation District.

Free well water arsenic testing will be provided at the workshop. Participants should bring a water sample in a clean glass or plastic container. Homeowners should bring their well and septic records to the workshop.

Class size is limited. To register, call 360-397-6060, ext. 0.

PAID AD - The Reflector

July 6, 2005

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Don't lose
precious dollars
down the drain!

Attend this FREE workshop and learn how to properly maintain your septic system, prevent costly repairs, and protect your drinking water from contamination.



Free well water testing for arsenic!

Maintenance of Septic Systems and Wells for Homeowners

Tuesday, July 12, 2005 6:30 - 9:00 pm

Fire District #10, 39808 NE 216th St.

Amboy

Call 397-6060, ext. "0" to register and for information

Sponsored by: Clark Conservation Clean Water Program, WSU Clark County Extension, Clark Conservation District, and Clark County Health Department.

WSU Extension programs are available to all without discrimination. Call 360-397-6060 ext. 0 for special accommodations.

COUNTY CURRENTS

Seminar delves into wells, septic systems

BRUSH PRAIRIE — Washington State University Extension Clark County will sponsor a free workshop on wells and septic systems from 6:30 to 9 p.m. Tuesday at Clark County Fire District 3, 17718 N.E. 159th St.

The seminar offers instruction on how to properly maintain septic systems, prevent costly repairs and protect drinking water from contamination. Participants may also bring well water samples in clean glass or plastic containers

for free arsenic testing. Homeowners should bring well and septic records to class.

Event co-sponsors are the Clark County Health Department, Clark County Clean Water Program and Clark Conservation District.

The workshop is free, but class size is limited. To sign up call 360-397-6060, ext. 0.

THE OREGONIAN
MARCH 10, PAGE
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Free well water testing offered

Landowners who have drinking water wells are invited to participate in free water testing hosted by the Clark County Health Department and Washington State University Extension.

Randy Phillips with the Health Department said homeowners will have an immediate idea of the quality of their well water.

The workshop will focus on proper well and septic system maintenance to prevent costly repairs and protect drinking water from contamination.

Participants should bring a cup of water in a clean glass or plastic container for the test, along with well and septic records.

Although the class is free, space is limited. call 397-6060 ext. 0 to reserve space. The workshop will be Thurs., May 5, 6:30-9 p.m., at CASEE, 11104 NE 149th St., building C, Brush Prairie.

The workshop is sponsored by the Extension, Health Department, Clean Water Program and the Clark Conservation District.

THE OREGONIAN JULY 6, 2005
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COUNTY CURRENTS

WSU Extension giving free tests of well water

AMBOY — Washington State University Extension Clark County will sponsor free water testing for homeowners who have wells during a workshop on maintaining wells and septic systems from 6:30 to 9 p.m. Tuesday at Clark County Fire District 10, 39808 N.E. 216th Ave.

The seminar offers instruction on how to maintain septic systems, prevent costly repairs and protect drinking water from contamination. Well-water samples should be in clean glass or plastic containers for testing. Attendees also should bring well and septic records.

The free class also is sponsored by Clark County Health Department, Clark County Clean Water Program and Clark Conservation District.

Registration is required. Class size is limited. To sign up, call 360-397-6060, ext. 0.

COUNTY CURRENTS

Workshop offers tests of well-water quality

BRUSH PRAIRIE — Washington State University Extension Clark County and the Clark County Health Department are offering free well-water testing during a maintenance workshop from 6:30 to 9 p.m. Thursday, May 5, at the Center for Agriculture, Science & Environmental Education, 11104 N.E. 149th St., Building C.

The class will focus on correct well and septic system maintenance to prevent expensive repairs and protect drinking water from contamination.

Participants may bring well-water samples in clean glass or plastic containers for testing. Homeowners should bring well and septic records to class.

Other sponsors for the workshop are the Clark County Clean Water Program and Clark Conservation District.

The workshop is free, but class size is limited. For registration or information call 360-397-6060, ext. 0.

THE REFLECTOR APRIL 27, 2005, PAGE A13

Calendar of Events

FREE WELL WATER TESTING and maintenance of well and septic systems for homeowners workshop Thurs., May 5, 6:30-9 p.m., CASEE, 11104 NE 149th St., building C, Brush Prairie. Bring well water in a clean glass or plastic container, and well and septic records. Reserve space 397-6060, ext. 0.

Free well water, septic systems class offered

Landowners who have water wells can have water quality tested at no cost courtesy of Washington State University Extension and Clark County Health Department officials.

Maintenance of Wells and Septic Systems for Homeowners will be held Tues., July 12, 6:30-9 p.m., Amboy Fire District 10, 39808 NE 216th Ave. Registration is free, but class size is limited.

The workshop will focus

on proper well and septic system maintenance to prevent costly repairs and protect drinking water from contamination.

Participants should bring at least one cup of water in a clean glass or plastic container for the free test. Officials recommend that homeowners bring well and septic records to the class.

To register, call 397-6060, ext. 0.

Camas/Washougal Post Record
September 6, 2005
Page B2

WSU extension plans well, septic system workshop

WSU Clark County Extension and the Clark County Health Department are providing a free workshop that will focus on proper well and septic system maintenance to prevent costly repairs and protect drinking water from contamination.

"This workshop is great for landowners looking for basic information about how wells and septic systems work and how they can best maintain them to avoid costly repairs," said Erin Harwood, of WSU Extension Clark County.

The class is set for Thursday, Sept. 15, from 6:30 to 9 p.m., at Washougal Fire District 1, 211 39th St. in Washougal.

Registration is free, but class size is limited. For more information or to register, call 360-397-6060 ext. 0.

Health/Safety

FREE WELL WATER TESTING and maintenance of well and septic systems for homeowners workshop Thurs., May 5, 6:30-9 p.m., CASEE, 11104 NE 149th St., building C, Brush Prairie. Bring well water in a clean glass or plastic container, and well and septic records. Reserve space, 397-6060, ext. 0.

Camas/Washougal Post Record
September 6, 2005
Page B2

Wells and septic systems maintenance for homeowners

The free workshop is being offered by Washington State University Clark County Extension and the Clark County Health Department Thursday, Sept. 15, from 6:30 to 9 p.m., at East County Fire and Rescue District 1, 211 39th St., Washougal. For more information or to make required reservations, call 397-6060, ext. 0.

The Reflector July 6, 2005
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WELL AND SEPTIC MAINTENANCE WORKSHOP Tues., July 12, 6:30-9 p.m., Amboy Fire District 10, 39808 NE 216th Ave. Free. 397-6060, ext. 0.
FREE WELL WATER TESTING for homeowners in a workshop. Maintenance of Wells and Septic Systems for Homeowners. Tues., July 12, 6:30-9 p.m., Amboy Fire District 10, 39808 NE 216th Ave. Hosted by WSU Extension and Clark County Health Department. Register for free class, 397-6060, ext. 0.

Camas/Washougal Post-Record
November 8, 2005 Page A3

Wells and septic systems information will be presented

A free workshop is designed for landowners who own wells and septic systems.

The session, scheduled for Tuesday, Nov. 15, from 6:30 to 9 p.m., in the CASEE Center, 11104 N.E. 149th St., Brush Prairie, will focus on proper well and septic system maintenance to prevent

costly repairs and protect drinking water from contamination.

The workshop is offered by Washington State University Clark County Extension and the Clark County Health Department. For more information or to make required reservations, call 397-6060, Ext. 0.

Appendix F: Well and Septic Maintenance Workshop Evaluation Summaries

Wednesday, February 09, 2005		Low			High	Average
Was this lesson:	1	2	3	4	5	
Current, up to date?				2	3	4.6
Understandable?				2	3	4.6
Presented in an interesting way?				2	3	4.6
Did the program answer any questions you had?				1	4	4.8
Learn new things or do others better?			1		4	4.6
Will you use the information learned?			1		4	4.6
Was this program worth your time?				1	4	4.8
					Overall Avg.	4.7
Participants	8	63% (one couple filled out an eval together)				
Evaluations Completed	5					
Contact hours (2.5 hours x # attendees)	20					
Attendees with wells	5					
Attendees using well as source of water	5					
Tuesday, March 15, 2005		Low			High	Average
Was this lesson:	1	2	3	4	5	
Current, up to date?				1	5	4.8
Understandable?				3	5	4.6
Presented in an interesting way?				3	5	4.6
Did the program answer any questions you had?			1	2	5	4.5
Learn new things or do others better?				3	5	4.6
Will you use the information learned?				2	6	4.8
Was this program worth your time?				2	6	4.8
					Overall Avg.	4.7
Participants	12	67%				
Evaluations Completed	8					
Contact hours (2.5 hours x # attendees)	30					
Attendees with wells	4					
Attendees using well as source of water	2					
Thursday, May 05, 2005		Low			High	Average
Was this lesson:	1	2	3	4	5	
Current, up to date?				3	5	4.6
Understandable?				1	7	4.9
Presented in an interesting way?			1	2	6	4.6
Did the program answer any questions you had?				2	5	4.7
Learn new things or do others better?				2	6	4.8
Will you use the information learned?			1	2	5	4.5
Was this program worth your time?			1	1	6	4.6
					Overall Avg.	4.7
Participants	11	73%				
Evaluations Completed	8					
Contact hours (2.5 hours x # attendees)	27.5					
Attendees with wells	7					
Attendees using well as source of water	2					
Tuesday, July 12, 2005		Low			High	Average
Was this lesson:	1	2	3	4	5	
Current, up to date?				8	6	4.4
Understandable?				7	11	4.6
Presented in an interesting way?			3	8	7	4.2
Did the program answer any questions you had?			1	7	10	4.5
Learn new things or do others better?			1	7	10	4.5
Will you use the information learned?			1	5	11	4.6
Was this program worth your time?				4	14	4.8
					Overall Avg.	4.5
Participants	28	79%				
Evaluations Completed	22					
Contact hours (2.5 hours x # attendees)	70					
Attendees with wells	12					
Attendees using well as source of water	7					

Thursday, September 15, 2005				Low		High		Average
Was this lesson:		1	2	3	4	5		
Current, up to date?					2	7		4.8
Understandable?					2	7		4.8
Presented in an interesting way?				1	2	6		4.6
Did the program answer any questions you had?					2	7		4.8
Learn new things or do others better?				1	3	5		4.4
Will you use the information learned?					2	7		4.8
Was this program worth your time?					3	6		4.7
Overall Avg.								4.7
Participants		9						
Evaluations Completed		9	100%					
Contact hours (2.5 hours x # attendees)		22.5						
Attendees with wells		9						
Attendees using well as source of water		7						

Tuesday, November 15, 2005 6:30 to 9pm				Low		High		Average
Was this lesson:		1	2	3	4	5		
Current, up to date?					2	5		4.7
Understandable?					3	4		4.6
Presented in an interesting way?					4	3		4.4
Did the program answer any questions you had?					5	2		4.3
Learn new things or do others better?				1	1	5		4.6
Will you use the information learned?					2	5		4.7
Was this program worth your time?					2	5		4.7
Overall Avg.								4.6
Participants		10						
Evaluations Completed		7	70%					
Contact hours (2.5 hours x # attendees)		25						
Attendees with wells		6						
Attendees using well as source of water		5						

Tuesday, November 15, 2005 3 - 5:30 pm				Low		High		Average
Was this lesson:		1	2	3	4	5		
Current, up to date?				1	6	6		4.4
Understandable?					1	7		4.3
Presented in an interesting way?				3	4	5		4.2
Did the program answer any questions you had?					3	8		4.7
Learn new things or do others better?					6	6		4.5
Will you use the information learned?				1	2	9		4.7
Was this program worth your time?			1		2	9		4.6
Overall Avg.								4.5
Participants		30						
Evaluations Completed		13	43%					
Contact hours (2.5 hours x # attendees)		75						
Attendees with wells		7						
Attendees using well as source of water		4						

Appendix G: BMP Workshops

COMPOST DEMONSTRATION SITE FEASIBILITY REPORT

MUD, GRAZING AND FENCING MAY PRESS RELEASE

MUD, GRAZING AND FENCING WORKSHOP PROMOTION / ADS

THE REFLECTOR MAY 11, 2005

CAMAS-WASHOUGAL POST RECORD MAY 17, 2005

CLARK COUNTY EXECUTIVE HORSE COUNCIL (CCEHC) NEWSLETTER
MAY 2005

MUD, GRAZING AND FENCING WORKSHOP FEED STORE FLYER

BEAUTIFUL BARNS OCTOBER PRESS RELEASE

BEAUTIFUL BARNS WORKSHOP PROMOTION / ADS

THE REFLECTOR OCTOBER 12, 2005

BEAUTIFUL BARNS WORKSHOP FEED STORE FLYER

Compost Demonstration Site Feasibility

December 2, 2005

Prepared by Erin Harwood, WSU Clark County Extension

Introduction

Managing manure is one of the biggest challenges small acreage landowners with animals face and often the last aspect of animal ownership to be managed. Animal manure contains nutrients and bacteria that may contaminate runoff water and wash into nearby streams, or contaminate drinking water sources on the property. Collecting and composting manure reduces volume, kills parasites and weed seeds, reduces odor and pests, and decreases the potential for nutrient runoff. To further encourage small acreage landowners to compost animal manure, a compost demonstration site has been proposed. The site will provide landowners with a place where hands-on workshops would demonstrate how landowners can manage their animals manure through composting. This report outlines the results of the coordinator's investigation of the costs and feasibility of implementing a compost demonstration site in Clark County.

Plans and Costs

Many small acreages are home to only a few animals: several horses, a couple of cows, some goats and/or different species of poultry. A two bin system will adequately handle the manure from these animals, but a three bin system provides more space and greater convenience (Figure 1). One bin for stores current manure and waste bedding, another full bin composts manure and a third contains finished compost to be used or given away as needed. Piles can also be turned from one bin to the next to increase oxygen flow and mixing, thereby improving the composting process. Plans for the three-bin system came from the factsheet "Manure and Storage Compost Facilities: for operations with limited numbers of livestock," by the Washington County Soil and Water Conservation District (Figures 2 – 4). This bin holds 575 ft³, which equals manure from three cows, 16 alpacas or llamas, 66 goats or three horses.



Figure 1. A three bin system with a roof. The bin on the far left contains finished compost while the bin on the far right contains fresh manure and bedding material.

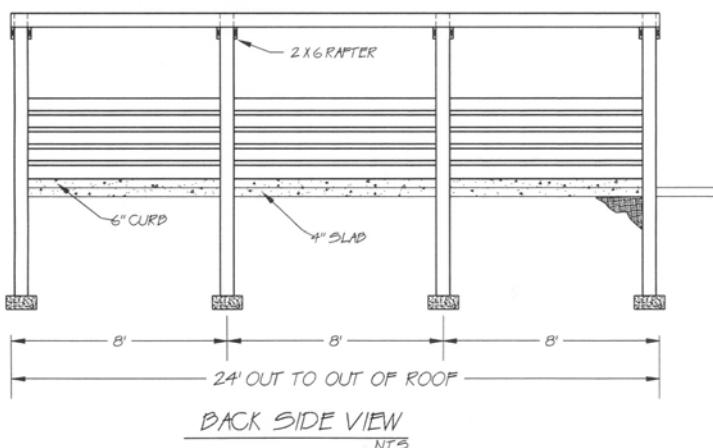


Figure 2. Back view plan of three bin system. Designed and drawn by Steve Rychetsky of Washington County Soil and Water Conservation District.

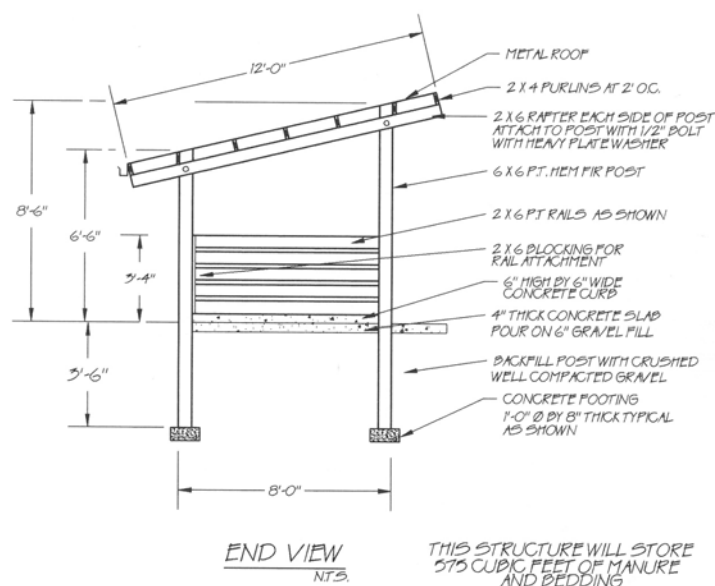


Figure 3. Side view plan of three bin system. Designed and drawn by Steve Rychetsky of Washington County Soil and Water Conservation District.

Materials were priced at Lowe's in Vancouver, based on the plans minus a roof (Table 1). Tarps will be used to cover each bin in order to reduce the potential for runoff and to improve the composting process. Compost exposed to the elements becomes too damp during the rainy season or too dry during the summer, reducing composting efficiency. Many landowners do not have a lot of time to turn the piles to get adequate air to the piles, so PVC pipes with holes drilled the length will act like chimneys, getting air throughout most of the pile, thus limiting the amount of effort required. The piles will still need to be turned occasionally to get manure on the outside of the pile to the center, where it will be composted.

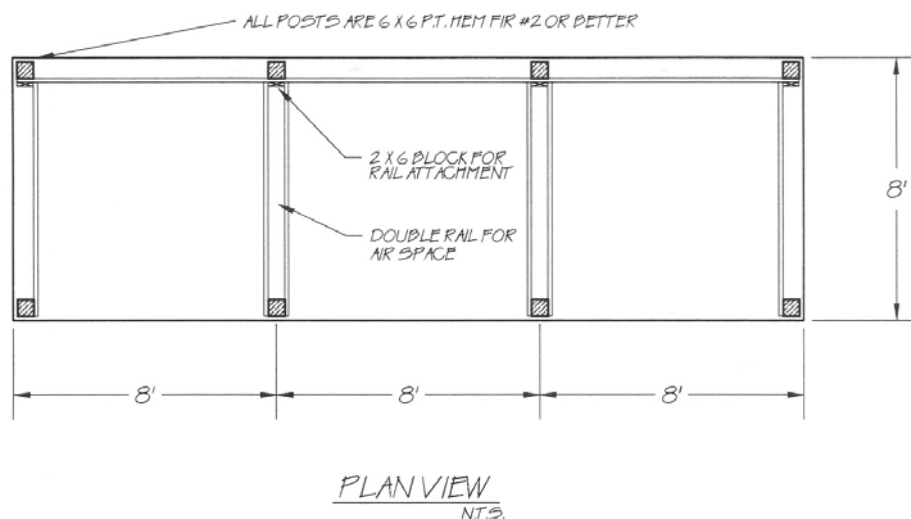


Figure 4. Overhead view of three bin system plan. Designed and drawn by Steve Rychetsky of Washington County Soil and Water Conservation District.

Pressure treated wood will be utilized to improve the life of the bin. The plans call for 6" x 6" pressure treated posts, but this assumes support for a roof. Posts this large are also appropriate for a farm with a tractor and front end loaders, something many small acreage landowners do not have frequent access to. As a substitute, 4" x 4" treated posts will be used instead, providing enough support for the bins and manure piles, which will be turned by hand. This results in a savings of \$88.

The bin will be assembled by participants in a hands-on workshop planned for June or July 2006. The workshop will consist of a classroom portion with a presentation on proper manure composting methods and tips for reducing costs and time. To keep the amount of time need short, the eight posts will be pre-installed. Participants will be provided the opportunity to help build the bin and to discuss costs and materials needed. The workshop will be one of the two planned BMP workshops in 2006.

Table 1. Cost breakdown for materials for three bin manure compost system.

Material Description	Measurements	Needed	Price Each	Total Price	Notes
Pressure Treated Posts	4" x 4", 8' long	8	\$7.97	\$63.76	6" x 6" posts = \$18.97 each, save \$88
Pressure Treated Rails	2" x 6", 8' long	70	\$8.49	\$594.30	7 per wall: 3 back walls, 6 side walls and 3 front walls
Outdoor treated rails	2" x 2", 8' long	6	\$3.20	\$19.20	cut in half to create 12, 4' long rails for sliding in front rail doors
Pressure treated blocks	2" x 6", 8' long	2	\$8.49	\$16.98	cut in half to create 8, 4' long rails for attaching rails for sides
Deck screws	min 3"	1	\$64.95	\$64.95	25 lb container of 2 1/2 " screws
Tarps	9' x 12'	3	\$10.26	\$30.78	
PVC Pipe	4" dia, 10' long	1	\$5.48	\$5.48	cut into 2 pieces, 5' long; pre-drilled with holes
			Total Cost	\$795.45	

Location

The demonstration site will be located at the CASEE Center in Brush Prairie, WA on Battle Ground School District property. The site provides immediate access for the program coordinator for maintenance activities as well as being centrally located in the county. Because public funds are being used to create the compost system, locating it on private property is not possible. CASEE Center students plan on having livestock animals in the future as part of their programs, so this will also provide a beneficial way for them to compost the manure from those animals as well as the game birds already present. Composting is already a part of the curriculum at the CASEE Center and manure composting and animal BMP's may be incorporated into the curriculum in the future as well. The demonstration site will be located near the game bird pens and small livestock barn for convenience. A specific location will be worked out next spring as plans for the CASEE livestock program move along.

Conclusion and Recommendation

Creating a manure compost demonstration site will provide small acreage landowners with a place where they can get information and hands on experience with managing manure and bedding materials on their own properties. The 2006 budget will support development and implementation of this project as well as the proposed associated BMP workshop on composting manure. Costs for materials and supplies of the BMP workshop have already been allocated in the proposed 2006 Program Budget. It is recommended that the proposed compost demonstration site be developed and implemented at the CASEE Center in 2006.

MUD, GRAZING AND FENCING MAY PRESS RELEASE

For Immediate Release

May 2, 2005

Contact: Erin Harwood
WSU Extension Clark County
Tel: 360-397-6060 ext. 7720
Fax: 360-397-6122

Free workshop on grazing management, mud free turnouts and fencing options.

Brush Prairie, WA – Got mud? Are your animals doing the backstroke to get to the barn? Do you have more weeds than grass in your pasture? Join WSU Clark County Extension, Clark County Clean Water Program and the Clark Conservation District for a free workshop on creating mud free turnouts, grazing management and fencing options.

The first part of the workshop will provide practical information on how to manage your pastures for grazing, reducing mud and erosion and creating livestock turnouts and how to utilize electric fencing for both. The second half of the workshop will be a **hands-on** fencing demonstration on a small farm. Previous attendees have said “This was one of the most useful things I’ve done all week!”

“Grazing, Fencing and Mud Management”

Saturday, May 21, 2005 - 9:00 AM to 2:00 PM

CASEE Center

11104 NE 149th Street, Building C

Brush Prairie, WA

Registration is free but class size is limited, please call 360-397-6060 ext. 0 to register and for more information.

WSU Extension programs are available to all without discrimination. Persons requiring special accommodations should call WSU Clark County at (360) 397-6060 ext. 0 at least two weeks prior to the event.

###

MUD, GRAZING AND FENCING WORKSHOP PROMOTION / ADS

THE REFLECTOR MAY 11, 2005, PAGE A12

CAMAS-WASHOUGAL POST RECORD

MAY 17, 2005, PAGE B3

Calendar of Events

Horse & Farm

GRAZING MANAGEMENT Workshop, mud free turnouts, fencing options Sat., May 21, 9 a.m.-2 p.m., CASEE Center, 11104 NE 149th St., Brush Prairie, offered by Clark County Cooperative Extension, Clark Conservation District. Free, class size limited. 397-6060, ext. 0.

CCEHC Newsletter, May 2005, Page 4

Managing Mud and Pasture on Your Small Farm

Are your animals doing the backstroke to get to the barn? Does your pasture look tired and dead-on-its-roots? Join WSU Clark County Extension, Clark County Clean Water Program and the Clark Conservation District for a free workshop on creating mud free turnouts, grazing management and fencing options.

The first part of the workshop will provide practical information on how to manage your pastures for grazing, reducing mud and erosion and creating turnouts and utilizing fencing for both. The second half of the workshop will be a **hands-on** fencing demonstration on a small farm.

It will be on **Saturday May 21st** from 9am to 2pm. The morning portion will be held at the CASEE center and then we will drive to a nearby small farm for the hands on fencing portion.

Pre-registration is required as class size is limited. To register please call 360-397-6060 x 0.

For more information please contact Erin Harwood at erin.harwood@clark.wa.gov or at 360-397-6060 x7720.

Free workshop will answer farm management questions

□ Topics will include fencing and 'mud management'

Are your animals swimming in mud to get to the barn? The Washington State University-Clark County Extension is teaming up with the Clark County Clean Air Program and the Clark Conservation District for a free workshop on creating mud-free turnouts, grazing management and fencing options.

The first portion of the workshop will provide practical

information on how to manage pastures for grazing, reducing mud and erosion, and creating livestock turnouts — and how to use electric fencing for both. The second half of the workshop will be a hands-on demonstration at a small farm in Washougal.

The class "Grazing, Fencing and Mud Management" will be Saturday, from 9 a.m. to 2 p.m., at the CASEE Center (11104 N.E. 149th St., Building C, in Brush Prairie).

Registration is free, but class size is limited. To register, call (360) 397-6060, Ext. 0.

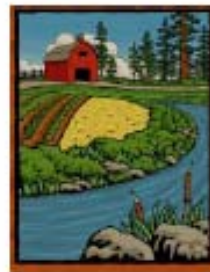
BMP WORKSHOP FEED STORE FLYER

Got Mud?

Your animals doing the backstroke?
Too many weeds, not enough grass!

Free Workshop!

✓ Reducing Mud
✓ Grazing Management
✓ Hands On Fencing Demo



Saturday May 21, 2005
9 am - 2 pm
CASEE Center
Brush Prairie

Space is limited! PRE-REGISTRATION REQUIRED
Call WSU Extension at 360-397-6118 ext. 0

Jointly Sponsored By:



Clean Water Program



Clark Conservation District

WSU Extension programs are available to all without discrimination. Persons requiring special accommodations should call WSU Extension Clark County at (360) 397-6060 ext. 0 at least two weeks prior to the event.

BEAUTIFUL BARNS OCTOBER PRESS RELEASE

For Immediate Release

October 6, 2005

Contact: Erin Harwood
WSU Extension Clark County
Tel: 360-397-6060 ext. 7720
Fax: 360-397-6122

FREE workshop on barns and outbuildings for small acreage landowners.

Brush Prairie, WA –Thinking about building or renovating a barn? How will you deal with runoff and what resources and materials will you need? Join WSU Clark County Extension for a free workshop on building and renovating barns and outbuildings.

The workshop will provide practical information on how where to locate the building, the types of different barns and the cost to make it beautiful. We will also cover how to deal with mud around your barn and manage runoff. Participants will get valuable tips and ideas for these and many other topics and bring home many reference materials.

“Beautiful Barns”

Thursday October 20, 2005 - 6:30 PM to 9:00 PM
CASEE Center
11104 NE 149th Street, Building B
Brush Prairie, WA

Registration is free but class size is limited, please call 360-397-6060 ext. 0 to register and for more information.

WSU Extension programs are available to all without discrimination. Persons requiring special accommodations should call WSU Clark County at (360) 397-6060 ext. 0 at least two weeks prior to the event.

###

BEAUTIFUL BARNS WORKSHOP PROMOTION / ADS

The Reflector, October 12, 2005 Page A14

Barn construction seminar slated

A free workshop on the planning and construction of barns and outbuildings is set for Thurs., Oct. 20, 6:30-9 p.m., at CASEE Center, 11104 NE 149th St., Brush Prairie.

The workshop will include information about locating

buildings, materials, and the management of runoff and mud.

Registration is required and space is limited. Offered by the Washington State University cooperative extension, 397-6060, ext. 0.

Page A14 - The Reflector - Oct. 12-18, 2005

Beautiful Barns Workshop Flyer

Beautiful Barns

Workshop

October 20th, 2005

Thursday, 6:30-9:00 PM

CASEE Center

Brush Prairie

Free!



Thinking About
Building or
Renovating a Barn?

Where should you
put it?

What types are
there?

What about mud?

How do you deal
with rain runoff?

What resources &
materials will you
need?

How much will it
cost?

Come find the
answers to these
questions and
more!

~ Get valuable tips and ideas

~ Talk to local experts about barns

~ Bring home lots of ideas & reference
materials!

Space is limited

PRE-REGISTRATION REQUIRED

Call (360) 397-6060 ext. 0 to register
or for more information

WASHINGTON STATE UNIVERSITY
Clark County Extension



WSU Extension programs are available to all without discrimination.
Persons requiring special accommodations should call WSU Extension Clark County
at (360) 397-6060 ext. 0 at least two weeks prior to the event.

Appendix H: Youth Outreach

4-H HORSE YOUTH PROGRAM FEASIBILITY STUDY

4-H Youth Outreach Program Feasibility Study
Erin Harwood, Small Acreage Outreach Program Coordinator
July 8, 2005

Introduction

This brief report examines the feasibility of implementing an educational outreach program targeting 4-H youth in Clark County as part of the Small Acreage Outreach Program. There are currently more than 1,100 4-H youth enrolled in large animal and livestock projects in Clark County, many of whom live on small acreages. This presents an excellent opportunity to educate this previously untapped group, 4-H youth and their families, about agricultural Best Management Practices (BMPs).

Purpose

The goal of the 4-H program is to help young people grow into responsible, contributing citizen. To reach this goal, 4-H develops educational materials that emphasize development of life skills through fun, hands on projects.

This goal fits with the goal of the Clean Water and Small Acreage Outreach programs, to reduce pollution entering storm and surface water coming from small acreage properties by giving residents the knowledge and skills necessary to manage their land and animals in a way that will keep water clean. By developing projects and activities with a clean water focus for youth in large animal and livestock projects, youth will be provided with skills and knowledge to responsibly manage their land and animals now and in the future as adults. This will allow them to contribute as a citizen in keeping Clark County's waters clean.

The program has the opportunity to reach out to the families of the 4-H youth. Many 4-H families are new to small farm life and have little knowledge of how to manage their small acreage. The experienced 4-H families have knowledge on livestock care, but may not realize the link between farm management, animal health and performance and water quality.

Background

Two other Washington state counties have developed educational activities and projects for 4-H youth focusing on BMPs. WSU King County Extension, in conjunction with the King County Agriculture Commission, has offered a poster and display contest each year at the King County Fair. The display must address a specific problem and the implementation of a BMP or BMPs to resolve the problem. BMPs are placed into four categories: pasture management, mud management, manure management and stream and wetland management. Cash prizes are awarded to those placing 1st through 10th.

In Snohomish County, a program targeting 4-H horse clubs is being developed as a joint effort between Snohomish Conservation District, WSU Snohomish County Extension and Horses for Clean Water. This program will include workshops, development of a curriculum, farm tours and presentations at club meetings. Currently, Washington state 4-H curricula do not include information on small farm BMPs or the link between farm management, animal health and performance and water quality.

The Small Acreage and Clean Water programs propose development of a local program in partnership with 4-H utilizing locally developed materials as well as materials and activities developed by other counties and programs. The state 4-H office supports this concept and its development, and would like to coordinate with the programs to create and implement projects and activities at the state level.

Based on the programs from other counties described above, it is recommended that the proposed Clark County 4-H youth outreach program target youth enrolled in horse projects as a pilot. This will provide feedback for further development and refinement of the program for other large livestock 4-H groups in the future.

Program Goals and Activities

The goal for the proposed program is for youth to understand what BMPs are, their purpose and how they are implemented on small farms to protect water quality (Appendix A). This goal will be met through three main objectives: 1) upon completion of the project, 4-H youth will be able to list and describe at least five BMPs; 2) 4-H youth will be able to identify where BMPs can be applied on their own property (or other suitable example property if applicable); and 3) 4-H youth will be able to share their knowledge and understanding of small farm BMPs with others through displays and presentations.

Potential supporting activities for these objectives include workshops on BMPs at 4-H Super Saturday Events and at the biennial Youth Animal Workshop, conducting farm tours to showcase BMP implementation and development and distribution of BMP education manual and other educational materials. A poster contest similar to the one in King County has been outlined for Clark County (Appendix B).

The anticipated inputs, outputs and outcomes for the program were created utilizing the Logic Model (Table 1). Small Acreage program staff will coordinate with WSU Extension 4-H staff at the local and state level to develop educational materials. The Small Acreage program coordinator will also facilitate workshops, farm tours, presentations, field days and training for 4-H volunteers (leaders and parents). Computers and other equipment will be needed for workshops and presentations. Educational and resource materials need to be developed for 4-H youth. Curriculum materials from the Snohomish County program may be available for adaptation to the Clark County program in the near future.

Based on the goals, objectives and potential supporting activities for 4-H horse youth described above, estimated time and cost inputs are provided in Table 2. Implementing the program in 2006 should require approximately 210 hours from the coordinator. This time includes facilitating and presenting workshops, presentations, farm tours and contests. Estimated costs for materials and supplies include printing and copying, advertising, postage, publications demonstration items and workshop supplies.

To allow staff time for this program within the 2006 scope of work, it is recommended that one *Living on the Land: Stewardship for Small Acreage* class series be dropped. The LOL program does not target youth. With the 4-H youth outreach program, both youth and adults can be reached

Table 1. Logic Model outline of 4-H Youth Outreach program

INPUTS	OUTPUTS		OUTCOMES		
	ACTIVITIES	PARTICIPANTS	SHORT	MEDIUM	LONG-TERM
WSU 4-H Staff WSU Small Acreage Program Staff & Partners Volunteers (4-H leaders, parents) Funding Equipment – computers, projectors Resource & Educational Materials: Handouts, awards etc.	Workshops Small Farm Tours Presentations Training Field Days/Clinics Produce Education Materials	4-H youth, families and leaders participating in large animal projects	4-H youth understand what BMPs are, their purpose & how they are implemented on small farms 4-H youth know how BMP implementation relates to animal health & performance and water quality 4-H youth are able to share their knowledge & understanding of BMPs with others through displays & presentations 4-H youth & families develop a more positive attitude towards BMP implementation for water quality protection	4-H youth & families implement BMPs on their own farm 4-H youth & families change management practices that impair water quality	More small acreage landowners are properly managing their water, soil, and plant resources resulting in better water quality, healthier pastures, reduced weeds, healthier animals & improved farm life
EVALUATION & INDICATORS					
	Quality* of education materials # of tours, workshops etc. Attendance at events Quality of activities/events *based on surveys of participants	# attendees at each event which 4-H groups, types of livestock, etc. % of total 4-H youth in livestock Response from and/or discussions w/ 4-H leaders & parents	Post session surveys – increase in knowledge, change in attitudes Evaluations of accuracy/quality of 4-H youth displays & presentations	Follow up surveys: BMPs implemented on farm Farm management practices changed Improved animal health/performance	Correlate w/ Clark County WQ monitoring results and survey of landowners re: better farm life

Table 2. Estimated time and cost inputs for 4-H youth outreach program in 2006.

Activity	Estimated Coordinator Time		Estimated Materials & Supplies Costs	Total
Provide workshops & presentations to individual clubs, at Super Saturday & Youth Animal Workshop	40	\$748	\$300	\$1,048
Develop or adapt BMP educational material: manuals, handouts etc. (includes copy fees)	40	\$748	\$800	\$1,548
Train 4-H horse club leaders, adults to provide BMP information to 4-H youth	30	\$561	\$300	\$861
Provide & promote workshops and presentations on farm plan creation & self assessment	30	\$561	\$300	\$861
Develop BMP self assessment and farm plan materials	20	\$374	\$100	\$474
Conduct & promote farms tours targeting 4-H horse club youth & families	20	\$374	\$200	\$574
Develop criteria & special award and promote 4-H Youth BMP Clark County Fair poster contest	20	\$374	\$300	\$674
Facilitate & promote demonstrations by 4-H youth at Super Saturday events, county and area demonstration days	10	\$187	\$200	\$387
Total	210	\$3,927	\$2,500	\$6,427

Conclusions and Recommendations

This is an aspect of the 4-H large livestock programs that is currently absent from 4-H curricula and should be included. Many of these 4-H youth will go on to become small farm owners themselves, some in Clark County. Providing them with the knowledge and skills needed to implement BMPs as youth, will allow them to better manage their farms in the future and protect the county's water quality.

Based on preliminary estimates (Table 2) the proposed 4-H youth outreach program requires 210 hours of staff time (.1FTE) and \$2,500 in materials and supplies. This cost could increase depending on the publications developed and printing and distribution options selected. The 2006 budget will support tasks associated with program development, however, larger expenses, such as printing costs, may need to be deferred pending adoption of the 2007 program budget.

It is recommended that the proposed program be developed and implemented (to the extent the existing budget allows) as a pilot program in 2006 and that one LOL class series be dropped to allow staff time to develop the program. A work plan and budget to continue the 4-H youth outreach program will be developed by June 2006 for inclusion in the 2007-2008 budget proposal.

Appendix A

Clark County 4-H Horse Youth Program Goals & Objectives

Goal: 4-H youth will understand what Best Management Practices (BMPs) are, their purpose and how they are implemented on small farms to protect water quality.

Objectives:

- 1) Upon completion of the project, 4-H Youth will be able to list and describe 5 BMPs, including:
 - a. environmental purpose / why important
 - b. common application(s)
 - c. how BMP functions
 - d. materials/supplies required to implement BMP
 - e. how BMP implementation relates to better farm management, horse health and water quality protection

Potential Supporting Activities:

- workshops/presentations on BMPs for individual clubs, Super Saturday Events and Youth Animal Workshop
 - Develop and distribute BMP education manuals to 4-H horse clubs
 - Train 4-H horse club leaders and other adults to provide background info on BMPs
-
- 2) 4-H youth will be able to identify where BMPs can be applied on their own property or other suitable example property if applicable
(note: not all horse 4-H'ers in Clark County keep their horses on their own property – we may need to think of an alternative property for them to examine)
 - a. Given instruction, examples, BMP information and assessment worksheets 4-H youth will create a farm plan for their property or other suitable property. The plan will include:
 - i. Identification of areas on farm where BMPs could be implemented
 - ii. Description of specific BMPs and their implementation on the property at areas identified above
 - iii. Function, importance and purpose of the selected BMPs
 - iv. Improvements/benefits of implementing the specific BMPs
 - v. how BMP implementation relates to better farm management, improved horse health and water quality protection
 - b. Upon completion of the farm plan, 4-H youth will be able to discuss and explain the rationale and basis of their farm plan
 - i. Create display or conduct a demonstration/presentation explaining:
 1. their farm plan
 2. the BMPs selected
 3. their importance and purpose in protecting water quality
 4. how BMP implementation relates to better farm management and improved horse health

Potential Supporting Activities:

- workshops/presentations on creating a farm plan and assessing own farm for BMP implementation for individual clubs and at Super Saturday Events etc.
- Develop and distribute BMP assessment and farm plan worksheets to 4-H horse clubs
- Conduct farm tours targeting 4-H club members to showcase BMP implementation, discuss importance and purpose of BMPs, how to create farm plan etc.

3) 4-H youth will be able to share their knowledge and understanding of small farm BMPs with others through displays and presentations

- a. 4-H youth will create a poster explaining a specific BMP including:
 - i. purpose and importance of the BMP
 - ii. application in small farm situations
 - iii. function of BMP
 - iv. materials required to implement BMP
 - v. how BMP implementation relates to improved farm management and horse health
 - vi. how it protects water quality
- b. 4-H youth will give demonstrations and presentations to other 4-H youth on specific BMPs including:
 - i. purpose and importance of the BMP
 - ii. application in small farm situations
 - iii. function of BMP
 - iv. materials required to implement BMP
 - v. how BMP implementation relates to improved farm management and horse health
 - vi. how it protects water quality

Potential Supporting Activities:

- Create criteria for judging of poster displays at Fair
- Create special award for best display at Fair
- Facilitate demonstrations/presentations by 4-H youth at Super Saturday Events, County and Area demonstration days and Clark County Fair
-

Appendix B**4-H Horse BMP Poster Contest at the Clark County Fair**

Sponsored by the Clark County Clean Water Program and WSU Clark County Extension Small Acreage Program

Goal: Participants will gain an understanding of Best Management Practices (BMPs), their purpose, importance and implementation on small acreage horse farms, for better farm management, improved horse health and performance, and water quality protection.

Display: Participants should create an educational poster display (approximately 3 feet by 4 feet) about a single BMP. The poster should address the following questions:

1. Which BMP is being discussed?
2. What situations does the BMP resolve on a horse farm?
3. Why are these situations a problem for:
 - a. Horse health & performance
 - b. Landowners
 - c. Water quality
4. How is the BMP implemented? (include steps and materials required)
5. How does implementation of the BMP address the problems in question #3 above?
6. What are the benefits of implementing the BMP? (examples: improved horse health & performance, improved chore efficiency, better water quality)

It is important to cite any references used to develop the display. Please include fact sheets, interviews and books.

Judging: Posters will be judged on 4-H standards, included below, in addition the following criteria:

1. Presentation
 - a. Visual appeal
 - b. Citation of sources
 - c. Organization
2. Content
 - a. Topic choice
 - b. Accuracy and quality of information presented
 - c. Effectiveness in reaching audience

Appendix I: Outreach Events and Promotional Activities

REFLECTOR COMMUNITY DIRECTORY PAID ADVERTISEMENT
MARCH 30, 2005

CLARK COUNTY EXECUTIVE HORSE COUNCIL
EQUINE SERVICE DIRECTORY PAID ADVERTISEMENT

NEW COORDINATOR PUBLISHED PRESS RELEASE

THE OREGONIAN FEBRUARY 1, 2005

CLARK COUNTY EXECUTIVE HORSE COUNCIL, APRIL NEWSLETTER

FLYING CHANGES
JULY MAGAZINE ARTICLE

FLYING CHANGES
OCTOBER MAGAZINE ARTICLE

2005 CLARK COUNTY FAIR BOOTH

SMALL ACREAGE EXPOSITION FEASIBILITY STUDY

Live on Acreage?

Do You Want to.....

Reduce chore time?

Reduce mud?

Make your property
look better?

Improve the well-being
of your animals?

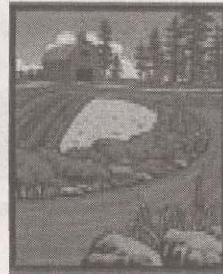
Enhance your soils
and pasture?

Protect your drinking
water and streams?

Properly store &
compost manure?

*If you answered YES! to any of these ques-
tions, then **Living on the Land** is for you!*

**Living
On
the Land**
*A Program for
Small Acreages*



Join Us For:
*Workshops
Farm Tours
12 Week Class
Series*

For information, call the Small Acreage Program Coordinator,
WSU Extension Clark County at 360-397-6060 ext. 7720
or <http://clark.wsu.edu/>

Jointly Sponsored By:



Clean Water Program



Clark Conservation District

WSU Extension programs are available to all without discrimination. Persons requiring special accommodations should call WSU Extension Clark County at (360) 397-6060 ext. 0 at least two weeks prior to the event.

Erin Harwood will run Small Acreage Program

Erin Harwood has joined Washington State University Clark County Extension as coordinator for the extension's Small Acreage Program.

Harwood will organize workshops, farm tours and classes to help small-acreage landowners in Clark County learn how to more efficiently manage land and animals, save money and keep water clean.

"Erin brings a high level of enthusiasm and creativity," said Doug Stienbarger, extension director, "and I believe she will use this opportunity to expand the

program."

Harwood is a graduate of Prairie High School, has a bachelor's of science in environmental science from Huxley College at Western Washington University and recently completed a master's degree in environmental management at Portland State University.

THE OREGONIAN
FEBRUARY 1,
PAGE B2

live on acreage?

Interested in improving the well-being of your animals? Dream of better productivity of your pasture? Want to reduce chore time? Want a better look for your property? Interested in protecting your drinking water and streams?

Living on the Land is designed especially for you!

Living **the Land**

*A Program for
Small Acreages*



- Identify your goals, resources, opportunities, and limitations.
- Create a management plan that works for you and your animals.
- Enhance soil fertility, reduce erosion, improve drainage.
- Control surface water to protect your drinking water, reduce mud, turn manure into a resource.
- Weed control, managing grasses, renovating pastures.
- Animal care basics, practical farm layout, earth friendly tips on managing your animals.
- Potential restrictions on animals near streams or wetlands.

For information, call the
Small Acreage Program Coordinator at
WSU Clark County Extension, 360-397-6060 x7720



Clean Water Program



Clark Conservation District

Extension programs and employment are available to all without discrimination. Noncompliance may be reported through your local Extension office.

Clark County Executive Horse Council Newsletter
April 2005, Page 4

WSU Clark County Extension

Hello everyone!

My name is Erin Harwood and I am the new small acreage program coordinator at WSU Clark County Extension. I started at the beginning of the year and am very excited about the program!

I grew up in Brush Prairie - so I am a hometown girl. I was in 4-H in Clark County for seven years with my horses and enjoyed every minute! I currently live on five acres with two horses, a beef cow, chickens and three dogs.

I graduated from Prairie High School, and then went on to Clark College with help from the CCEHC scholarship. After graduating from Clark I moved on to Western Washington University up in Bellingham, where I got my bachelor's degree in environmental science. I recently completed my master's degree at Portland State University in environmental management. I have three years of experience in water quality, stream and lake management and native and invasive plants. I also many years of life experience in animal care and management.

I am enjoying the job and working hard setting up workshops and creating several new programs for all of you. Some of the upcoming topics include fencing, creating sacrifice areas, grazing management, manure management (always a favorite!) and beautiful barns. I am available to answer any questions you may have regarding managing your small acreage farm. I am in the office most days, so stop by or give me a call. I look forward to meeting you all and getting to know you.

Best wishes,
Erin Harwood

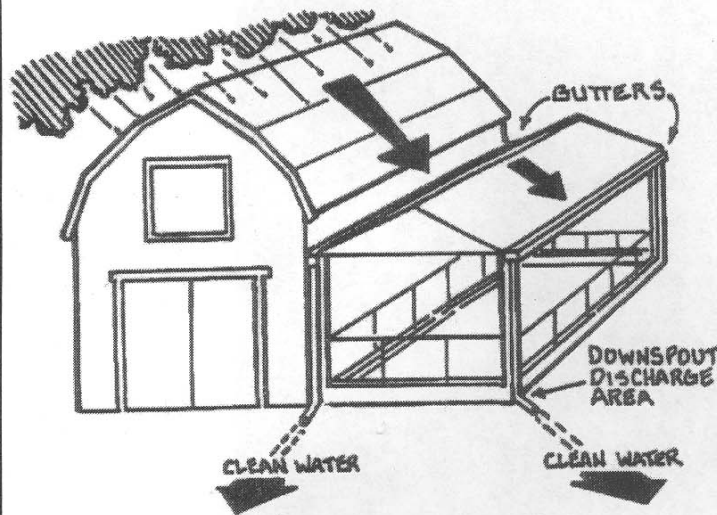
Erin can be reached in person at the WSU Clark County Extension office located at 11104 NE 149th Street Building C Suite 100 in Brush Prairie.

You are welcome to call her with questions at 360-397-6060 x7720 or drop her an e-mail at erin.harwood@clark.wa.gov.

Barn Makeovers 101

From Dreams to Reality

DOWNSPOUTS AND GUTTERS



Washington State University Extension

the value and aesthetics of your property, while also minimizing odors and improving horse health. These improved management practices are typically called Best Management Practices, or BMP's. Many BMP's are easy to implement and can be inexpensive. Implementing BMP's on your horse farm protects your farm's resources, including your horses, increases property values, and protects our natural resources.

Installing gutters and downspouts on your barn remains one of the simplest and most effective BMP's to reduce mud. Diverting runoff away from stall entrances and other heavily used areas can go a long way to reducing mud around your barn. Reducing mud in these areas will improve horse health by reducing the incidence of foot problems. Less mud will also reduce both horse and human injuries and can make barn chores a lot easier!

Runoff from rain is not confined by fences or property lines and often causes problems between neighbors. Water from your sloped pasture may run across your neighbor's property, creating problems such as flooding or eroding of driveways. Divert-

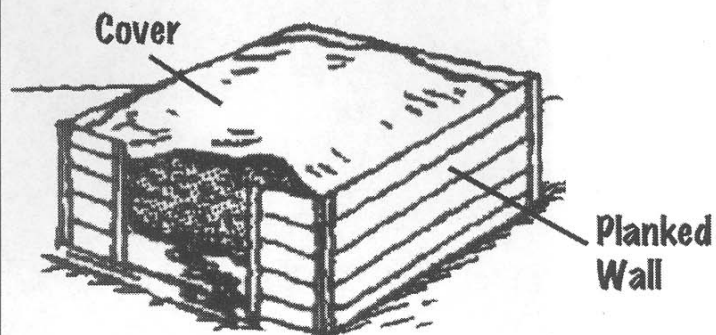
We all have dreams of making our horse property better, plans and ideas float around in our heads while we do the day-to-day chores of keeping the farm running. Most of us know what needs to be done, it's the getting started part that is sometimes hard. We know that giant pile near the back of the barn is not the ideal way to deal with manure, but what are the alternatives and how do we get started?

With more people moving into rural areas trying to fulfill their dreams of living the country life, neighbor disputes over that pile of manure become more frequent. Changes in rules and regulations at the local, state and federal levels will also affect how you manage your horse farm and your land. As horse keeping rapidly changes in the Pacific Northwest, changing your management will become increasingly important.

So what can you do to get ahead of changing regulations, prevent disputes, and maintain good neighbor relations? The best strategy is to get a head start on the projects on your wish list. Implementing simple mud, manure, and pasture management projects goes a long way to improving

.....
Erin Harwood

MANURE STORAGE



Oregon Dept. of Agriculture

ing runoff across your property or into a shallow grassy swale slows water down, allowing it to infiltrate into the ground and filter out sediment or manure particles. Managing runoff will decrease standing water and may foster better relationships with your neighbors.

Another simple BMP entails composting your horses' manure. A compost system can be as simple as a pile with a tarp cover-

ing it. More elaborate compost systems can be constructed using pallets, which you can often get for free. Covering manure maintains the proper temperature in the pile and improves the composting process. If the pile becomes too saturated, it cools down, preventing proper decomposition. Composting horse manure reduces odors, decreases parasites and weed seeds, and provides a great garden or pasture fertilizer for free!

Implementing these and other BMP's can help you limit impacts on your neighbors and our natural resources, while improving your horse farm and reducing problems with regulatory agencies. Resources available to assist you include your local university Extension office and Conservation District. These agencies are non-regulatory and provide advice and technical assistance in implementing BMP's. Sometimes, Conservation Districts and your local Natural Resource Conservation Service (NRCS) office have money available to help fund implementation of BMP's on your property. One such program is the Environmental Quality Incentives Program (EQIP). Information on the EQIP program can be found on the web at: <http://www.nrcs.usda.gov/programs/eqip/> or by calling your

CONTACTS

**Small Acreage Program,
WSU Clark County Extension**
11104 NE 149th Street, C-100
Brush Prairie, WA 98606
360-397-6060 x7720
<http://clark.wsu.edu/>

Clark Conservation District
11104 NE 149th Street, C-400
Brush Prairie, WA 98606
360-883-1987 x 5
<http://www.clarkcd.org/>

USDA Natural Resource Conservation Service
Brush Prairie Service Center
11104 NE 149th Street, C-400
Brush Prairie, WA 98606
360-883-1987 x 3
<http://www.wa.nrcs.usda.gov/>

local NRCS office.

In Clark County, the Small Acreage Outreach Program, a partnership between Washington State University Clark County Extension, Clark County

Clean Water Program, and the Clark Conservation District, assists small acreage landowners in managing their property through workshops, farm tours, classes, resource materials, and individual assistance. The Conservation District may be able to conduct assessments of local small farms which provide the landowner with ideas for improving management as well as where a landowner is doing well.

Assessing your property, planning ahead and working over time to implement management changes can prepare you for unforeseen problems, minimize potential neighbor disputes, and turns those dreams of a beautiful farm to reality. Keep an eye out for future articles in this magazine for step by step instructions on managing manure, reducing

mud, and improving pasture for your horse farm. We'll also feature case studies of local area barns—real life examples of improvements you can make at home.

MANAGING YOUR SMALL FARM

A Case Study in Mud & Manure Management

Managing your small horse farm and turning it into your dream property can seem daunting. August's article focused on getting started, but you're probably wondering how you can make those ideas work on your property. What simple mud, manure and pasture management projects can you implement on your property that will improve its value and aesthetics while improving your horses health?

Kelly O'Neill, owner of GreenGate Farm in Battle Ground, Washington has made some of these simple and often inexpensive projects work on her property, with wonderful results. She struggled with barn designs and mud, while also managing time and money, and ended up with a beautiful property.

GreenGate farm is a small private facility specializing in the care of retired and older horses, with one retiree currently in residence. Kelly also does combined driving with her own horse, Brenna. Other residents include husband Rick, two dogs and two cats. The farm consists of 5½ flat acres, with several grazing areas, a driving course around the perimeter and a small grassy arena. The barn has four stalls with adjacent turnouts for the horses.

After having her barn built, one of the first things Kelly worked on was dealing with roof runoff and drainage issues. Runoff from the barn roof is directed away from the barn and turnouts using gutters, downspouts and inexpensive pipe extensions. This prevents roof runoff from creating muddy areas around the edge of the barn and limits the amount of water that runs into the turnouts, thereby reducing mud.

To reduce mud in the turnouts, Kelly has also used different footing materials. "I have tried everything," Kelly says about different footing materials, such as hogfuel or gravel. She found that laying down erosion control fabric, used in road paving and construction projects, combined with 5/8" gravel provided well drained footing for the most heavily used areas. The fabric prevents soil from mixing with the gravel while the gravel builds up the surface allowing water to easily drain through thus reducing mud. It is important to regularly remove manure

from turnouts (every one to three days), since manure particles clog footing materials and reduce filtration over time. Kelly also used rubber stall mats at each outer access door to the stalls to control mud and make for easy clean up.

Many different footing materials are available for heavy use areas such as turnouts. Footing is the crucial feature in designing a well-drained, all weather turnout. Selection of footing materials should be based on its suitability for your animals and specific situation, as well as personal preference. For further discussion of the various footing materials see the fact sheet on creating sacrifice areas and turnouts at <http://clark.wsu.edu/horticulture/smallFarmProgram/sacrifice-areas.pdf>. Main-

taining grassy strips around the turnouts, as Kelly has done, filters out manure and soil particles from the runoff.

To ensure the pastures on her farm remain lush and healthy, Kelly confines her horses during the rainy season to their turnouts and the sacrifice area in front of the barn. Keeping horses off pastures during the rainy season reduces mud and limits soil compaction. In addition,

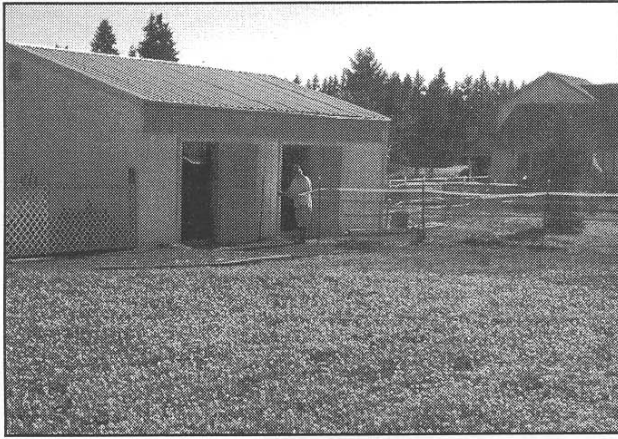
continuous grazing tramples and weakens grass and churns the soil, creating mud. As the grass dies off, weeds can take over (some toxic to livestock) and decreased grass production means additional feed must be purchased. Kelly says "I made the mistake of being too kind to the horses by letting them run on all five acres and I've paid the price of increased weeds ever since. Even horses without shoes, like mine, can do a lot of damage." She also uses rotational grazing. She also subdivided her pastures into smaller areas by installing a few simple tape cross-fences, which allows her to use rotational grazing. This makes it easy for Kelly to maintain the grass at the appropriate height, between three and eight inches. Allowing grass to be grazed below three to four inches leaves the plants weakened and susceptible to competition from weeds.

Because Kelly only has up to four horses to care for, she often mows the grass during the growing season to keep it from getting taller than eight inches. Keeping the grass at the optimum height provides forage that is high in nutrients and reduces weeds. The horses are left to graze until the grass reaches the minimum height and then are moved to another pasture. This



GreenGate Farm in Battle Ground, Washington implemented simple and often inexpensive projects to enhance the property and minimize environmental impact.

Erin Harwood



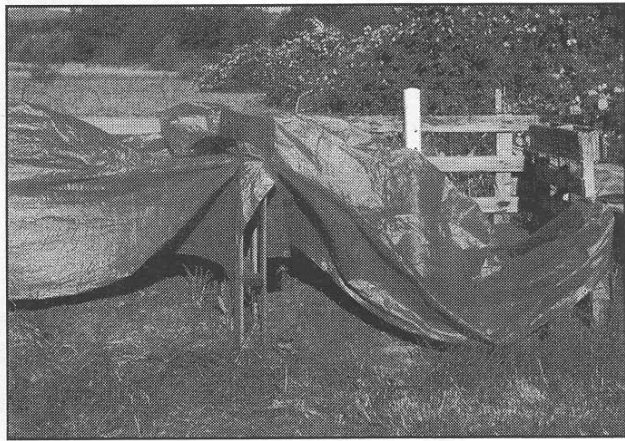
The barn has four stalls with adjacent turnouts. The turnouts were covered with erosion control fabric and covered with 5/8" gravel for drainage. It is important for drainage to regularly remove manure.



Runoff from the barn roof is directed away from the barn and turnouts using gutters, downspouts and inexpensive pipe extensions. The new manure spreader is used to spread finished manure onto pastures.



Pastures are subdivided into smaller areas using tape cross-fences. This allows "rotational grazing", ensuring easy maintenance of the grass at the optimum height of three to eight inches.



Composting results in a smaller volume of finished material. The pallet bins are covered to prevent nutrients from fresh manure from leaching into groundwater and surface waters.

allows the pasture to rest and regrow quickly.

Manure is often one of the most challenging things for horse owners to manage. First of all, there is so much of it! However, all that manure can be a valuable resource. Kelly found a simple and economical way to build a compost bin for the manure. She regularly removes manure from the turnouts and stalls and places it in a compost bin made of pallets. Kelly says of her inexpensive manure management strategy, "The pallet compost bins are great. They're easy to assemble and take down and they're portable and can be moved around." Pallets can be easily found, often for free. By composting the manure, Kelly has a smaller volume of finished material to deal with and the nutrients are in a more stable form. Kelly keeps the compost bins covered with a tarp to keep the pile from getting too moist during the rainy days, which would slow the composting process. It also prevents nutrients from fresh manure from being leached into nearby groundwater and surface waters. She also puts PVC pipes drilled with holes along the length in the middle of the piles. This provides a source of oxygen and facilitates the composting process without having to turn the pile on a regular basis. In the spring, the compost is used in Kelly's garden and landscaping as a fertilizer and is often utilized by friends and neighbors for

the same purpose.

The farm obtained a manure spreader within the last year to spread finished manure compost onto the pastures. This provides an inexpensive and quality fertilizer, returning nutrients back to the land. During the growing season, Kelly sometimes spreads fresh manure and bedding to areas around the perimeter of the property, where the horses do not graze. You can often rent a manure spreader for a weekend and many Conservation Districts have them available for a lower rental cost or even free.

Kelly has made some simple and often inexpensive changes to her farm. These changes in farm management have increased chore efficiency, as well as improved the overall look of her farm. She has also made a significant positive impact to protect water quality and be a good steward of the land she owns. Her efforts earned her status as a model farm from the WSU Clark County Extension's Small Acreage Program. Kelly's farm received a sign so everyone can recognize the success of her efforts. If you would like to see first-hand what Kelly's improvements look like and to talk to her about what it took to implement them, please join us on Saturday, October 15th for a free guided educational tour of her property, from 10 am to 12 pm. Please call (360) 397-6060 x0 to register for the tour and for directions.

2005 CLARK COUNTY FAIR BOOTH



Part of the Small Acreage Program's display on septic tank maintenance at the 2005 Clark County Fair.



Display on proper livestock and pet waste management for the Clark County Fair 2005.



Small Acreage Program

Living on the Land -
Stewardship for Small Acreages
12 week class series
Gain valuable tips and information
Develop ideas to manage your property

**Living
On
the Land**

Farm Tours
Visit a local small acreage farm
See management practices in action
Exchange ideas and knowledge with
other landowners



Workshops

Learn practices to improve your
property by attending one day
workshops on:



Well & Septic Maintenance
Manure Composting
Mud Management
Pasture Management
And many other topics!!



For more information call 360-397-6060 x 7720 or online at <http://clark.wsu.edu>



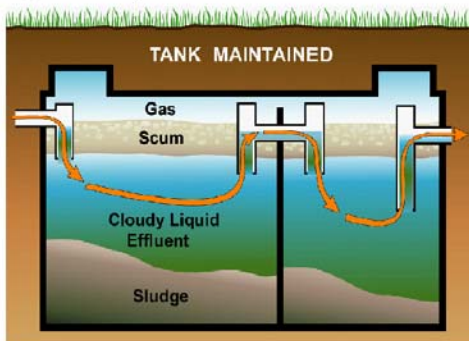
A Joint Program by:
WASHINGTON STATE UNIVERSITY
CLARK COUNTY DISTRICT



Small Acreage Program Clark County Fair promotional display.

Septic System Maintenance

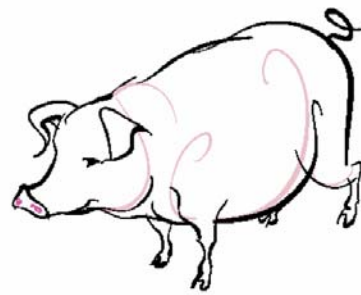
- ◊ Know the location of your septic tank, drain field, and well.
- ◊ Limit the amount of water entering your septic tank by reducing household water use.
- ◊ Inspect the system every 4 years and have it pumped every 5 to 8 years (if needed).
- ◊ Do not compact or damage your drainfield: keep vehicles, large animals, tree, and shrubs away from your drainfield and tank.
- ◊ Divert runoff water away from the system and do not set up a sprinkler system across the drain field.



Graphic by A. Miller

Pet and Livestock Waste Management

- ◊ Regularly clean up after pets and discard the waste in the trash.
- ◊ Collect livestock manure and stall bedding and place in a covered compost pile to reduce contaminating stormwater runoff.
- ◊ Store manure away from storm drains, creeks, wells, and other bodies of water.
- ◊ Consider planting grass and shrubs in and around pens, kennels, turnouts and compost piles to filter runoff water and remove nutrients and bacteria.



- ◊ Never hose down pens or kennels into nearby storm drains. Sweep up and properly dispose of waste, uneaten food and other materials.

Poster Displays for Small Acreage Program portion of Clark County Fair display on proper septic tank maintenance and pet and livestock waste management.

Small Farm/Acreage Exposition Feasibility Study
Erin Harwood, Small Acreage Outreach Program Coordinator
October 5, 2005

Introduction and Purpose

This report examines the feasibility of conducting a one day small farm event targeting small acreage landowners in Clark County as part of the Small Acreage Outreach Program. The goal of the event is to provide landowners with information and connections to agencies, organization and vendors to help them better manage their small acreage properties. The event would include workshops on pasture management, mud and manure management, weed control, fencing and drainage. Vendors, agencies and organizations would be solicited to set up booths to talk about equipment, services and information relating to small acreage management. Implementing this event provides a new avenue for the Small Acreage Program to reach landowners with information on implementing BMP's on their properties.

Background

The model for conducting an event in Clark County comes mainly from the well publicized King County Small Farm exposition. Further research revealed at least three annual events of varying sizes targeting small acreage landowners: Spokane County (<http://www.spokanechamber.org/spokanechamber/sub.aspx?id=1382>), King County (<http://www.metrokc.gov/wsuv-ce/farmexpo/>), and Snohomish County.

Spokane County. The *Country Living Expo* in Spokane, WA, runs three days (Friday through Sunday) in late March. The Ag Bureau of the Spokane Regional Chamber of Commerce organized the event for the past six years and employed a full time marketing consultant to assist with the event. Two staff, one full time, coordinate the event with the help of over 100 volunteers. Show manager, Myrna O'Leary, noted that she relies heavily on their solid volunteer base to pull off the event. Their 2004 event provided more than 60 hour-long workshops on topics, such as composting, fencing, farm equipment, septic systems and wells, native plants, noxious weeds and weed control, wildlife habitat, ponds, lakes and streams and pastures. The expo specifically targets the "32,000 landowners who live on small acreages of just two to 80 acres" in the county. The Expo also featured more than 125 exhibits and vendors featuring tractors, animal care products, building supplies, and country home furnishings. Vendors paid booth fees to obtain space for their displays. A petting zoo and free chick give away were used to draw attendees to the expo. Adults paid \$5 for all three days and children under 14 entered for free. The event was cancelled after this year's event due to low attendance, a loss of over \$25,000 and scheduling difficulties. In the past as many as 10,000 people attended the three day event, however, the gate count slipped under 4,000 this year. Myrna noted that attendance declined over the last three years of the event.

King County. On a smaller scale, WSU King County Extension, in cooperation with King and Pierce Conservation Districts and the King County Department of Natural Resources and Parks, organizes the annual Small Farm Expo at the King County Fairgrounds in Enumclaw, WA. The four year old event runs for one day. While free for the first four years, this may change in 2006, according to the coordinator, Hannah Cavendish-Palmer. Attendance remained steady the past three years at approximately 1000, peaking at 1200 this year. The coordinator hoped for a greater increase in attendance this year, and believes the location of the event kept attendance down. The Enumclaw fairgrounds are far from the major freeway, increasing driving distance for attendees and perhaps putting some people off.

The coordinator did note that setting up an event of this magnitude required a lot of time, particularly in the months just prior and subsequent to the event. Volunteers are a major part of the event and ensure it runs smoothly. Volunteers are solicited throughout the year for the event. Evaluations are requested from attendees, and a total of 93 evaluations were collected at the 2005 expo. Promotional giveaways were used to get people to fill out surveys on their experience at the expo. A passport game provided attendees the ability to win a prize also.

Workshops included two featured speakers on general small acreage management topics, as well as three tracks: livestock management, land management and crop innovation. A special workshop on chainsaw safety and maintenance was very popular. The coordinator received requests for more workshops and hands on demonstrations similar to this, such as farm machinery maintenance. There were several demonstrations at the expo, including horse shoeing, dog agility, sheep herding, pony driving, goat milking and packing, llama packing, alpaca care and goat grooming. Manure composting was a key topic and displays featuring a comparison of different bedding types, a three bin compost system and chickens as composters were highlighted in the Expo program.

Unlike the Spokane Country Living Exposition, the King County Small Farm Exposition also included displays, demonstrations and shows for 4-H youth and various types of livestock. The coordinator felt that this added a significant measure of confusion to the expo organization and that the 4-H component did not fit well with the rest of the expo. In addition, the livestock exhibitors rarely pay their stall fees, a loss in the overall expo budget. Sponsors provide funding to help offset costs for site rental, speakers fees and other costs.

Snohomish County. On a much smaller scale, Snohomish Conservation District has presented their small farm clinic or fair each year in the spring for the last five or more years. It is a small, six hour event. There are generally three one hour workshops before lunch and then two short 30 to 45 minute talks after lunch. Local non-profits and government agencies set up educational booths at no cost, while vendors are requested to make a donation directly to the Natural Resources Youth Camp. Lois Ruskell, the coordinator, attempts to get a different attraction each year to attract people, such as a display of different types of livestock or farm machinery for a hands-on workshop. Funding comes from the Lower Stillaguamish Clean Water District and Snohomish County Surface Water Management, and primarily covers site rental fees, speakers' fees, and snacks. Admission fees are given directly to a local 4-H group who provide lunch as a fundraiser, which is very well received by the attendees. Lois feels that the clinic is generally successful and attendance has been steady around 100 people over the past couple of years. By keeping it small and requesting attendees pre-register, she can track attendance, plan for food and appropriate space and easily get feedback about the clinic. Attendees generally register for the whole day, however some register for just one or two morning workshops. Attendees are asked to fill out a survey and evaluation and door prizes are provided as incentives. The clinic has been held on a small farm in the past to show case implementation of water quality related BMP's, but was held at a local grange hall in the past couple years. Advertising consists of ads in small local newspapers and flyers at local stores and in the mail.

An Event in Clark County

Gauging Interest. The Small Acreage Program coordinator conducted a small e-mail survey of six local Clark County landowners to gauge their interest in attending an event similar to the ones described above. The survey consisted of two questions, the first asking if they would be willing and interested in attending a small one day expo that appeals to small acreage landowners in Clark County (based on free admission), and the second requesting ideas for workshop topics. Additional suggestions and ideas were also invited. Of the five who responded, all expressed interest in attending an event in Clark County similar to the Snohomish County clinic described above. Four respondents provided suggested topic ideas and these are summarized in Table 1. Two respondents indicated that charging a nominal fee may increase attendance and retention throughout the day, by placing a value on the event.

Table 1. Suggested Workshop Topics

Suggested Topic	Respondents
Animals (stocking rates, care, feeding, etc)	4
Pastures	3
Soils & Erosion	2
Weeds & Control	2
Mud Management	2
Business opportunities & marketing	2
Fencing	2
Footing Materials	1
Barns & outbuildings	1
Farm equipment	1
Septics	1
Composting	1
Water Resources	1
Native Plants	1
Impact of Urbanization	1

Conclusions

Based on the research of other events in Washington and the results of the small survey of Clark County small acreage landowners, the Small Acreage Program could organize an event in Clark County that would likely be well received.

Based on the amount of time and money required to organize a larger event, a smaller event, such as the Snohomish County clinic may be better suited to this area. A site for a smaller event would be easier to arrange, especially since volunteers can be difficult to find, organize, and retain. Renting the Clark County Fairgrounds new Exhibition Hall costs \$5,850, versus a smaller event at the CASEE Center or a local farm for little or no cost. Evaluations would also be easier to obtain for a smaller event, providing better feedback for future events. As evidenced by the low percent of returned surveys from the 1200 attendees at the King County Small Farm Expo in 2005, getting evaluations from such a large audience poses challenges. Employing the strategy of providing door prizes used by Snohomish County, more surveys are likely to be returned at the end of the event with attendance around 100 people.

The three events researched for this report are all held in the spring, between March and April. Providing such an event in the spring allows participants to implement ideas from the workshops in late spring and throughout the summer. Fall is often a busy time for landowners preparing for children's return to school and associated activities as well as prepping their properties for the oncoming winter. An event held in the fall allows a long span of time between the end of the workshops and the time when ideas can be implemented, possibly decreasing the chance that the landowner implements the BMP's.

Advertising should include press releases to all major local newspapers, horse and small farm magazines, WSU e-mail listserv's, and a direct mailing to attendees of previous Small Acreage Program events such as Living on the Land, BMP workshops and farm tours. Small paid advertisements in the smaller local newspapers, the Reflector and the Camas/Washougal Post Record, will provide publicity to the target audience of small acreage landowners in northern and eastern rural Clark County.

Vendors, such as local businesses, organizations, and agencies would be invited to set up booths to provide further advice and products directly related to managing a small acreage. For the first year of the event, allowing vendors and others to set up at no charge will encourage a greater number to attend. Charging a fee for the first year may discourage some vendors from attending, as they may be unsure if their time and effort will be rewarded with adequate contacts.

Providing food for the day of the event could occur through several methods. A local 4-H group could provide lunch options for attendees as a fundraiser. This would help to create a relationship between the Small Acreage Program and 4-H, possibly furthering the proposed Clean Water 4-H program. According to Clark County Health code, a non-profit, such as a 4-H club, may prepare and sell food items for a fundraiser without obtaining a permit as long as the event occurs only once. Another option is to solicit attendance from local food vendors to sell food to participants, which may be a time consuming and uncertain option. Outside food vendors also charge more for food products than a non-profit such as a 4-H group. Snacks and coffee for breaks could be provided by a local 4-H group or the program. One potential event site has an espresso bar on their farm and could provide coffee, drinks and snacks as a fundraiser for their non-profit farm. Utilizing another group for food at the event would significantly reduce costs to the Small Acreage Program.

Workshop topics should appeal to a wide variety of landowners to maximize the success of the outreach effort. Tracks with a series of workshops following the same general topic throughout the day would appeal to a wider range of landowners, while also providing a complete set of information on one idea. Based on the topics suggested by some local landowners in Table 1, tracks could include Livestock Care & Management (pastures, manure management, animal diseases and preventative care, weed identification and control), Extreme Farm Makeover (mud management, drainage, fencing, outbuildings), Farm Equipment and Machinery (right tractor for your farm, machinery maintenance and safety), and Small Farm Business Opportunities (what to do with your

acreage, business plans). Providing a packet of handouts on the various topics would provide all attendees with information for further review after the event and for those topics where they could not attend the lectures and workshops. Programs listing workshop topics and speakers, event schedule, vendors and sponsors should be provided to attendees as well.

Running multiple workshop classes at one time will require several laptops and projectors (if needed by speakers) as well as projection screens, cords and stands for equipment. To accommodate multiple classes tents may be required for participants. There is the possibility that the program could utilize tents from Clark Public Utilities District for no or low cost. Chairs will be needed for participants to sit on during workshops and lectures necessitating rentals. To accommodate such a large number of people, it is likely that Porta Potties will be needed. It will also require multiple volunteers to set up and take down of equipment and chairs, provide speakers with technical assistance (loading presentations, troubleshooting etc) and collecting evaluations, answering questions and other general assistance. The Small Farm Advisors would be an ideal source of volunteers, however, the future of their organization is highly uncertain. Providing incentives for all volunteers help and assistance would increase the likelihood of getting volunteers and retaining them throughout the set up and take down of the event. Incentives could include the pasture sticks and rain gauges provided to Living on the Land graduates in previous classes, as well as gift certificates or coupons to local businesses related to small farm management.

Providing door prizes to attendees as incentives to return evaluations at the completion of each workshop and the event as a whole would garner much needed feedback. Door prizes could include gift certificates and coupons to local businesses related to small farm management. Securing donations for these incentives would help keep costs down. Businesses who donate items for these attendee incentives could be listed as sponsors in the event program.

Liability insurance is provided by WSU's Self-Insurance Liability program. It is the Extension staff's responsibility to provide reasonable supervision, instruction, warnings, safe equipment and safe surrounds as part of the insurance program. The property owner may also opt to be listed on the policy as additional insured party. Damage to the landowners property by an individual attending the workshop would be subject to the landowners and individual's personal insurance coverage.

Costs for the event, summarized in Table 2, assume an attendance of 200 people. As stated above, getting donations for prizes and volunteer incentives as well as other groups to provide food would keep costs down. The time required to organize and facilitate an event would be significant for both the coordinator and volunteers. Approximately 150 hours would be needed from the coordinator to organize and facilitate this event. This estimate includes preparation, the day of and post event activities such as finding a site and speakers, assembling handouts, creating a program and evaluations, reserving equipment, recruiting, training and assisting volunteers, getting donations, gifts and prizes, entering attendance and evaluation data, returning equipment and volunteer, speaker, donor and sponsor thank you letters. An equal amount of volunteer time would be required to assemble handout packets, prep the site, take registrations, set up equipment and assist speakers and attendees and take down equipment.

Table 2. Estimated Costs for Clark County Small Farm Expo Event

<i>Item</i>	<i>Cost</i>	<i>Notes</i>
Food	\$500	drinks & snacks only
Door Prizes	\$100	
Volunteer Gifts	\$500	Includes feeding volunteers day of event
Equipment	\$400	Chairs and Tables
Handouts & Program	\$600	copy costs only
Tents	\$0	From Clark PUD
Porta-pottis	\$400	4 for 200 people
Total	\$2,500	

Recommendations

Organizing an event such as this in Clark County would provide a unique educational opportunity to small acreage landowners looking for information on specific topics related to small acreage management in one day. This event is likely to particularly appeal to attendees of previous Small Acreage Program events, allowing them to gain further detailed information on specific topics.

Based on the preliminary estimates in Table 2, the proposed event requires 150 hours of staff time (.1FTE) and \$2,500 in materials and supplies. This cost could increase depending on the availability of tents from the Clark PUD. The 2006 budget will support tasks associated with event development, and implementation as presented, however if tents cannot be found for free or low cost, the 2006 budget will not support the event. At this point in time, the tents have been offered for the program's use by the Clark PUD.

It is recommended that the proposed event be developed and implemented on a smaller scale (200 people) as a pilot in 2006. Utilizing a local small farm as the venue will keep costs down and provide an opportunity for a small acreage tour during the event. A 4-H group will be sought to provide food and drinks for lunch as a fundraiser. The proposed venue, Brigand's Hideout, if available, can provide coffee, drinks, and snacks as a fundraiser throughout the day. If this event proves to be successful, the Small Acreage Program will examine conducting it on a biannual basis.

Appendix J: Model and Merit Properties

FARM CRITERIA FOR ASSESSMENT

MERIT FARM RECOGNITION SIGN

PROGRAM PROMOTION

The Reflector April 6, 2005

The Reflector June 7, 2005

TOUR FLYERS

OTHER TOUR PUBLICITY

THE COLUMBIAN	SEPTEMBER 12, 2005
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THE REFLECTOR	SEPTEMBER 21, 2005
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THE REFLECTOR	OCTOBER 12, 2005
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THE COLUMBIAN	OCTOBER 13, 2005
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Merit and Model Farm Criteria for Assessment

The following criteria have been established to determine merit and model farm status for small acreage property's in Clark County. The minimum criteria below must be met in order for the property to qualify as a merit farm. Merit farms will be provided recognition signage. With some improvements, the property could be upgraded to a model property. These recommendations and knowledge on why these improvements are important and how they will help improve their farm are shared with the landowner.

The additional criteria must be met for the property to qualify as a model farm. Model farms will be provided recognition signage, and if the landowner is willing, will be utilized as tour properties for the public.

Drainage

Minimum:

- Gutters on most buildings
- Rainwater is not discharged directly into streams, creeks or ditches

Additional criteria:

- Gutters on all buildings
- Downspouts direct roof runoff away from:
 - animal use areas
 - swales, rain gardens or rain barrels to capture or direct rainwater to areas where velocity can slow, will not pick up sediment particles
- Little or no standing water around property

Water Features

Minimum:

- Livestock, if present, are not allowed access to these areas
- Bank erosion is minimal

Additional criteria:

- Vegetated buffers/filter zones around streams, creeks or wetlands
- Bank erosion is non-existent

Erosion & Compaction

Minimum:

- Areas of bare soil may be present but are limited in size
- Machinery & trucks kept off pastures when soils are saturated (limit compaction)

Additional criteria:

- Little or no areas of bare soil
- Heavy use areas have minimal mud (walkways, entryways, feeding & watering areas, sacrifice areas, turnout pens)
 - These areas are covered with gravel, sand or hogfuel or similar ground cover to limit mud and potential erosion & runoff
- Rotational grazing is in place for livestock (if present)
 - animals kept off pastures in winter to limit compaction

Septic

Minimum:

- Landowner knows location and type of septic system and drainfield
 - Landowner knows when system was last inspected (inspect every 4 yrs, every other inspection by professional)
- Landowner does not drive over tank or drainfield

Additional criteria:

- Kept records of septic inspections & results
- Drainfield is fenced off from livestock

Well

Minimum:

- Landowner knows where well is located
- Wellhead is adequately protected

Additional criteria:

- Livestock are fenced away from well
- Adequate setbacks between well, septic & livestock areas

Chemical & Fuel Storage

Minimum:

- Chemicals & fuels are properly stored away from wells & septic

Additional criteria:

- Leaks are limited, containers are not open, do not have holes etc.
- When leaks occur, they are quickly contained & cleaned up

Livestock Manure

Minimum:

- Manure is covered with a tarp to minimize runoff of nutrients

Additional criteria:

- Manure is stored in a covered shed or similar structure and is composted
- Timing of manure applications coincides with needs of pasture or other plants (based on soil test)

Pasture Management

Minimum:

- Condition & quality of pasture is **satisfactory**
- Some weeds, few areas of bare soil, limited standing water (an indication of potential compaction)

Additional criteria:

- Pastures are not overgrazed, rotational grazing is utilized
- Sacrifice areas or turnouts to keep animals off pasture during wet months
- Number of animals on pastures is appropriate
- Condition & quality of pasture is **good**
- Few weeds, no bare soil, no standing water (an indication of potential compaction)

Soils & Fertilizer Use

Minimum:

- Soils may have been tested

Additional criteria:

- Soils have been tested
- Results have been used in pasture management plan (fertilizer types, application amount & timing)
- If fertilizers are being applied:
- Types, timing and rates are appropriate for the intended use of the property (livestock grazing vs. hay crops vs. wildlife habitat)

MERIT FARM RECOGNITION

Model farms are sought

Officials of the Washington State University cooperative extension program are seeking to identify farms that follow certain water quality standards.

Erin Harwood, small acreage program coordinator, said officials are looking for farms that do such things as install gutters on barns and outbuildings, limit livestock access to creeks and streams, reduce erosion and compaction on property, manage manure, and maintain wells and septic

tanks.

Farms that meet water quality criteria may receive a free sign to advertise their efforts.

Farms that implement more advanced management practices, such as rotational grazing, soil analyses and manure composting, will qualify for a higher rating. Officials seek to showcase such farms in public tours.

Farmers who meet these criteria are urged to call Harwood, 397-6060, ext. 7720.

The Reflector April 6,
2005, Page A12

MERIT FARM RECOGNITION SIGN

**DOING OUR PART FOR
CLEAN WATER**



SMALL ACREAGE PROGRAM

Clark County Washington State University/Clark County Extension Clark Conservation District

Couple finds way to work with nature

Alice Perry Linker
staff writer

When Don and Dee Morse returned to Clark County nearly 10 years ago, they found an idyllic setting for their retirement home.

In a wooded area near a stream north of La Center, they built their home and moved in to enjoy the woodland and wildlife.

After a few months of rainy weather, they discovered their place was less than idyllic. Rainwater from property higher on the hill washed down onto their land, leaving puddles on the driveway and little gullies on the hillside.

"We had a tremendous problem with water," Dee said. "Our drive was like a lake."

Instead of complaining, they met with their uphill neighbor, Ron Warner, who agreed to help put in a drainage system.

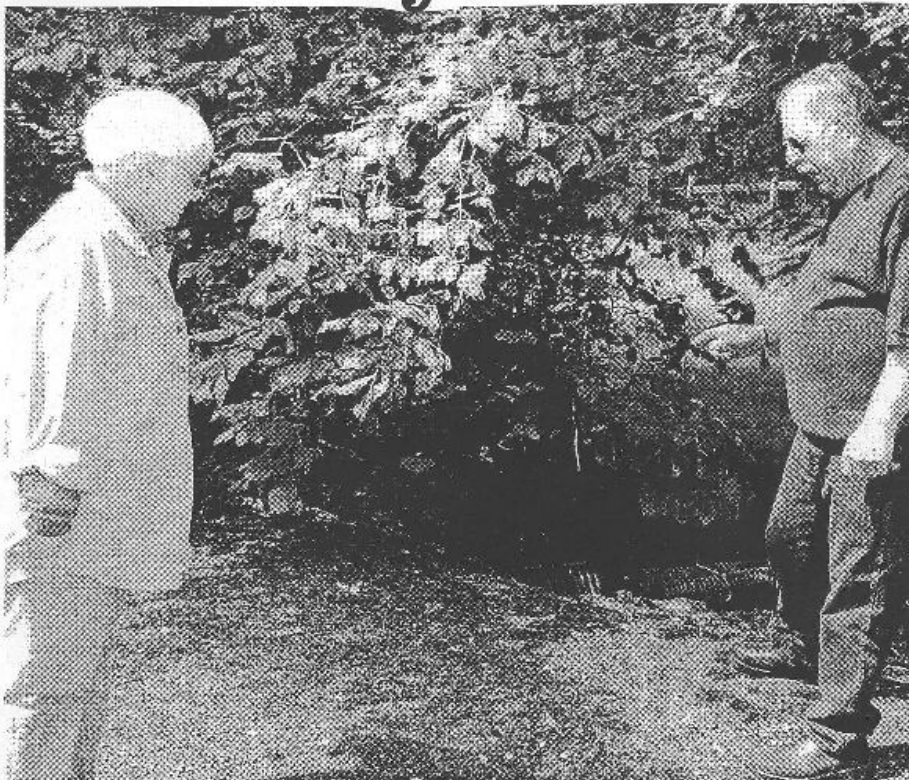
Working cooperatively, the neighbors installed a drain system that directed the runoff back into the ground and to a wooded area along the hillside.

Eventually, cleaned of contaminants by the earth, the rainwater ends up in the Morses' unnamed creek, a tributary of Jenny Creek.

"None of the water flows onto the road or the driveway," Dee said.

The couple did not stop with one water project. They decided to redirect the rainwater from their gutters and downspouts away from the drive.

Don Morse learned that he could fit a used fire hose onto a clamp that attaches to the downspout. He hooked up four fire hoses to the downspouts



DEE AND DON MORSE explain how a drainage system works in a wooded area near their La Center home. The couple has been honored by Washington State University cooperative extension for doing their part for clean water.

Photo by Alice Perry Linker

and again directed the water away from the drive and into the ground.

The Morses' efforts have earned them recognition from the Washington State University Clark County Extension. The agency placed a decorative sign reading "Doing Our Part for Clean Water" on their property.

"A lot of rural landowners, in managing their property, are doing great things for the

environment," said Doug Steirbarger, director of the Living on the Land program. "The signs help the public see what a well managed property is."

WSU, in cooperation with the Clark County Clean Water Program and the Clark Conservation District, offers a series of 12 Living on the Land classes twice a year. The classes are designed to help people manage and improve rural property, said Erin Har-

wood, who coordinates the program.

The Morses attended the classes. They said the sessions helped them learn good property management.

When the couple first began gardening, "nothing would grow," Dee said; so, they sent soil samples to a Portland laboratory for analysis.

"That was a real benefit from that class. The report tells us how to fix the soil,"

Don said. "We had so much stuff in that garden last year."

"We learned weed control; how to get rid of blackberries without killing other plants," Dee said.

Fertilizing the garden soil was another challenge, Don said. He was concerned that manure spread on the garden in the fall would wash into the creek during the winter.

"The class advised us to plant annual rye grass to keep the manure from slipping into the creek," he said. "The rye worked real well and it adds to the fertilization of the garden."

The couple hasn't finished working on their property. They'd like to find a way to capture some rainfall for use as irrigation.

The land adjacent to the yard and beside the creek is a wildlife sanctuary, full of wild bleeding heart, trillium and other native plants.

The Morses said they enjoy seeing the rabbits, raccoons, birds—and even hearing the occasional bobcat.

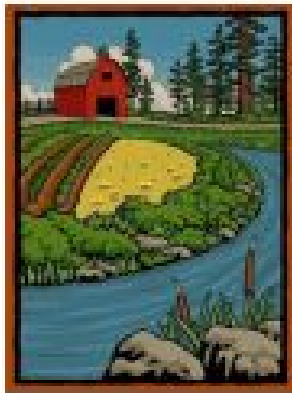
"We felt as small landowners we should attend the classes," Dee said. "It's our responsibility to preserve the land."

"Stewardship is important," Don said.

For information about Living on the Land classes call Harwood, 397-6060, Ext. 7720.

TOUR FLYERS

Flyer posted at local tack and feed stores



Fall Farm Tours

Free!

Tour any of these farms to see
how they implemented Best
Management Practices to enhance
their property !



Brigands HideOut Battle Ground, WA

Wednesday
September 14th
6:30 - 8:00 pm

- ~ 15 + acre farm with sheep, poultry, cows & alpacas
- ~ Herding dog demonstration
- ~ Unique rotational grazing and runoff management



Z & M Ranch Battle Ground, WA

Saturday
September 24th
10 am - 12 pm

- ~ 5 + acre breeding and training facility
- ~ Beautiful Peruvian horses
- ~ Innovative mud free turnouts and guttering



GreenGate Farm Battle Ground, WA

Saturday
October 15th
10 am - 12 pm

- ~ 5+ acre horse retirement facility
- ~ Rotational grazing
- ~ Cost effective manure management scheme



WSU Extension programs are available to all without discrimination. Persons requiring special accommodations should call WSU Extension, Clark County at (360) 397-6060 ext. 0 at least two weeks prior to the event.

Space is limited!

PRE-REGISTRATION REQUIRED

Call (360) 397-6060 ext. 0 to register for any tour and
for directions

OTHER TOUR PUBLICITY

THE COLUMBIAN SEPTEMBER 12, 2005 PAGE C3



*Our daily offering of meetings and events
in and around Clark County*

Compiled by Mary Ricks

■ WEDNESDAY

BRIGANDS HIDEOUT SMALL

FARM TOUR, tour a small working

farm in Battle Ground and play bingo for prizes, pet animals and watch live herding demonstrations, 6:30 to 8 p.m. Wednesday. Registration is free, but tour size is limited. ☛ Call 360-696-0167 ext. 0 to register.

The Reflector, September 21, 2005
Page A13

Horse & Farm

TOUR OF SMALL FARM that breeds and trains Peruvian horses is set for Sat., Sept. 24, 10 a.m.-noon, conducted by Clark Conservation District and Clark County Clean Water Program. Second on a series of guided, educational events open to general public. Free, but size limited. 397-6060, ext. 0 to register.

The Columbian, October
13, 2005 Page C4

FREE SMALL FARM TOUR AT

GREENGATE FARM from 10 a.m. to noon Saturday in Battle Ground. Local small farm that cares for retired and senior horses and has implemented some simple and inexpensive projects to enhance their property and minimize the impact on the environment. ☛ Registration is limited; call Washington State University Extension, 360-397-6060, ext.. 0, to register and for directions.

The Reflector, October 12, 2005 Page A14

Retired horse farm tour in Battle Ground offered Oct. 15

A free tour of a small farm that cares for retired and senior horses in Battle Ground is set for Sat., Oct. 15, 10 a.m.-noon, at GreenGate Farm.

The tour, hosted by Washington State University Clark County Extension, Clark County Clean Water Program, and the Clark Conservation District, will showcase the landowner's efforts to minimize and manage manure and pastures while protecting water quality.

Visitors will see simple roof runoff management techniques, manure composting and management as well as rotational grazing to improve pastures.

The tour is the third and final in a series.

The tour is a guided, educational event open to everyone.

To attend, register by calling 397-6060, ext. 0. Directions to the farm will be given upon registration.

Appendix K: Evaluation Forms

LOL CLASS EVALUATION FORM

LOL PROGRAM EVALUATION FORM

LOL PRE-CLASS SURVEY FORM

LOL POST PROGRAM IMPACT EVALUATION FORM

WELL & SEPTIC WORKSHOP EVALUATION FORM

BMP WORKSHOP EVALUATION FORM

PROPERTY/FARM TOUR EVALUATION FORM

Program Title
Module X, Lesson Y, Module Title
Evaluation

Date

Speaker, Place of Work

(Circle your answer)

very much so

not at all

Was this lesson:

Current, up-to-date?

5 4 3 2 1

Understandable?

5 4 3 2 1

Presented in an interesting way?

5 4 3 2 1

Did the program answer any questions you had?

5 4 3 2 1

Did it help you learn how to do new things or how to do
others better than you knew before?

5 4 3 2 1

Do you intend to use any of the information from
this lesson?

5 4 3 2 1

Overall, was this program worth your time to attend?

5 4 3 2 1

What was the most informative part of this session?

Did the speaker provide you with enough information to easily understand the topic?

Was any section of the class too technical or too easy?

On which part(s) do we need to spend more or less time?

Are there any topics that you would like more information about?

What is one practice from this lesson that you think you might implement within a year?

Living on the Land – Stewardship for Small Acreages Program Evaluation

Please rate the entire twelve week program.

- *Lesson 1: Inventorying Resources* - Doug Stienbarger, Scott Melville
- *The Business of Horticulture* - Charles Brun
- *Lesson 2: Your Living Soil* - Craig Cogger
- *Lesson 3: All Life Depends on Water* – Cary Armstrong, Clair Clock, Reuel Emory, Joe Ellingson, Gary Bock
- *Lesson 4: Love Your Grass* – Phil Burgess, Gene Pirelli
- *Lesson 5: Caring for your Animals* – Erin Harwood, Dean Longrie, Andy Bary, Gary Fredricks

Please circle your answer.

	Excellent				Poor
What overall score would you give this program?	5	4	3	2	1
	Very Much	So			Not At All
Did the program series answer most of your questions?	5	4	3	2	1
Did you learn useful information?	5	4	3	2	1
	Quite a Lot		Some		Very Little
How much will you use this information to change what you do on your land?	5	4	3	2	1
	Too long		About Right		Too Short
The program series was:	5	4	3	2	1

Please explain why you rated any category below average:

What would you like to see added to the program (other or new topics)? Deleted?

Would you recommend this program to neighbors or friends?

How have you changed the way you manage your property based on what you learned in this class?

What management practices will you change or implement within a year?

Did this program help you better understand the goals for your property and how you can meet those goals?

What are the first five words that occur to you to describe this program?

Was the time and day of the week convenient for you? Would something else work better?

Did you submit a sample to a lab for analysis for any of the following?

	Yes	No	Plan to within the next year
Soil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Forage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Other Comments:

Thank you for your interest, your excellent questions, and your sense of humor!

Survey must be completed and returned prior to the beginning of class in order to be considered for enrollment in the Living on the Land class series.

Living on the Land – Stewardship for Small Acreages

September 13 through November 29, 2005

This brief survey helps us address your individual needs as small acreage landowners and tailor/adapt the program to your interests. ***All information collected on this form will be used only for this course to help you look at your management techniques.***

Name: *

Address: *

Phone Number: *

Email Address: *

** This information is only used by our office for contact purposes and to inform you of other relevant events.*

How many acres do you own? _____ How long have you owned this land? _____

Your parcel number(s) and/or legal description from your property tax statement. The parcel number is also your account number and is usually a six digit number followed by three zeros. Include physical address if different from mailing address. *(This will be used to generate maps of your property showing features such as soil types, topography etc. for your use during the course.)*

What do you use your acreage for? ***(Check all that apply and list approximate size.)***

Vegetable garden	<input type="checkbox"/>	_____	Pasture	<input type="checkbox"/>	_____
Orchard	<input type="checkbox"/>	_____	Hay	<input type="checkbox"/>	_____
Floral/landscape	<input type="checkbox"/>	_____	Lawn	<input type="checkbox"/>	_____
Forest	<input type="checkbox"/>	_____	Other (please list)	<input type="checkbox"/>	_____
Wildlife habitat	<input type="checkbox"/>	_____	Other (please list)	<input type="checkbox"/>	_____

Do you own livestock? ☐ YES ☐ NO If so, what type of livestock?

Type

Total number

Type

Total number

Do you irrigate pastures?

☐ YES ☐ NO

Do you have mud problems?

☐ YES ☐ NO

Do you have unusually wet pasture(s)?

☐ YES ☐ NO

Do you have a well on your property?

☐ YES ☐ NO

Do you have a septic system?

☐ YES ☐ NO ☐ UNCERTAIN

Do any rivers, streams, creeks, or irrigation ditches run through your property?

☐ YES ☐ NO

Are there roadside ditches through or adjacent to your property?

☐ YES ☐ NO

What are your reasons for attending this workshop series? (use other side if necessary)

How did you hear about this class? (Please circle all that apply)

E-mail The Reflector The Columbian The Oregonian

Flyer @ Feed Store

Camas-Washougal Post Record

Other _____

Return this survey **as soon as possible** to:

Erin Harwood - 11104 NE 149th Street, Bldg.C, Ste. 100 - Brush Prairie WA 98606

Fax: 360-397-6122 erin.harwood@clark.wa.gov

Well & Septic Workshop Evaluation/Assessment form

In order to help us evaluate the strengths and weaknesses of this program, please answer the following questions

(Circle your answer)

very much so

not at all

Was this program:

Current and up to date?

Understandable?

Presented in an interesting way?

5 4 3 2 1

5 4 3 2 1

5 4 3 2 1

Did the program answer any questions you had?

5 4 3 2 1

Did it help you learn how to do new things or how to do others better than you knew before?

5 4 3 2 1

Do you intend to use any of the information from this workshop?

5 4 3 2 1

Overall, was this program worth your time to attend?

5 4 3 2 1

What did you like best about the program?

In order to improve this program, what changes would you suggest? What material would you add?

Do you have a well? (circle one)

Yes

No

Are you currently using it for your household water source? (circle one)

Yes

No

What one practice from this lesson will you implement within a year?

Where did you find out about this workshop? *(please select all that apply)*

The Columbian

The Reflector

The Oregonian

Camas Post Record

Clark Health Department Letter

E-mail

Other

Thank you for attending this workshop and filling out this evaluation!!

WSU Clark County Extension Mud Management Workshop Evaluation

Saturday May 21, 2005

In order to help us evaluate this program, please answer the following questions

(Circle your answer)	very much so	not at all			
Was this workshop presented in an interesting way?	5	4	3	2	1

Comments:

Did the workshop answer any questions you had?	5	4	3	2	1
--	---	---	---	---	---

Comments:

Did the workshop help you learn how to do new things or others better before?	5	4	3	2	1
---	---	---	---	---	---

Comments:

Do you intend to use any of the information from this workshop?	5	4	3	2	1
---	---	---	---	---	---

Comments:

Overall, was this workshop worth your time to attend?	5	4	3	2	1
---	---	---	---	---	---

Comments:

What was the most informative part of this workshop?

Are there part(s) we need to spend more or less time on?

What is one practice from this workshop you might implement within a year?

Are there other topics you would like to see offered as workshops in the future?

WSU Clark County Extension Small Farm Tour
GreenGate Farm Saturday October 15th, 2005 10 am – 12 pm
In order to help us evaluate the strengths and weaknesses of this program, please
answer the following questions

(Circle your answer)	very much so		not at all		
Was this tour presented in an interesting way?	5	4	3	2	1

Comments:

Did the tour answer any questions you had?	5	4	3	2	1
--	---	---	---	---	---

Comments:

Did the tour help you learn how to do new things or how to do others better than you knew before?	5	4	3	2	1
---	---	---	---	---	---

Comments:

Do you intend to use any of the information from this tour?	5	4	3	2	1
---	---	---	---	---	---

Comments:

Overall, was this tour worth your time to attend?	5	4	3	2	1
---	---	---	---	---	---

Comments:

What was the most informative part of this tour?

On which part(s) do we need to spend more or less time?

What is one practice from this tour you might implement within a year?

APPENDIX L: LOL IMPACT EVALUATION SURVEY

Living on the Land (LOL) – Fall 2003 & Winter 2004 Participant Survey

We are glad you were able to participate in the Living on the Land class. WSU Clark County Extension depends on people like you to provide feedback on our programs. All responses will be kept anonymous. Upon request, we will send you the results when completed. We greatly appreciate your help. Thank you!

First name _____ Last name _____

1. Which Living on the Land class did you take? (check one) Fall 03 _____ Winter 04 _____

Please indicate the extent to which you agree or disagree with each statement below. (Please circle your responses.)

		<i>Strongly Disagree</i>	<i>Some- what Disagree</i>	<i>Neither Agree or Disagree</i>	<i>Some- what Agree</i>	<i>Strongly Agree</i>	<i>Don't Know / Unsure</i>
2.	The LOL course provided the level of information I needed	1	2	3	4	5	DK
3.	I would recommend this course to others ...	1	2	3	4	5	DK
4.	Based on what I learned in the LOL course, I now manage my property differently	1	2	3	4	5	DK
5.	This course is a good use for part of the clean water fee I pay with my property taxes every year	1	2	3	4	5	DK
6.	The changes I made have improved my property	1	2	3	4	5	DK

As a result of the LOL classes, have you done any of the following (please circle response):

	Yes	No	Does Not Apply
7. Tested your soil?	1	2	NA
8. Inspected your septic tank?	1	2	NA
9. Tested your well water?	1	2	NA

10. Have you shared what you learned in this class with anyone else? Yes _____ No _____

If yes: 11. Who did you share this with? (such as family, friends, etc) _____

12. About how many people did you share information with? _____

Turn Over for Questions on Page 2

Please rate your knowledge of the following topic areas for both before and after you participated in the LOL course. (Please circle your responses.)

		Poor	Fair	Good	Excellent	Unsure / Don't Know	Does Not Apply
13.	Managing weeds:						
	Before....	1	2	3	4	DK	NA
	After	1	2	3	4	DK	NA
14.	Keeping my pasture/hay field healthy:						
	Before....	1	2	3	4	DK	NA
	After	1	2	3	4	DK	NA
15.	Managing rainwater (stormwater runoff) so that it stays clean:						
	Before....	1	2	3	4	DK	NA
	After	1	2	3	4	DK	NA
16.	Soil and how it relates to managing my land:						
	Before....	1	2	3	4	DK	NA
	After	1	2	3	4	DK	NA
17.	Setting realistic goals for my land:						
	Before....	1	2	3	4	DK	NA
	After	1	2	3	4	DK	NA
18.	Managing animal manure:						
	Before....	1	2	3	4	DK	NA
	After	1	2	3	4	DK	NA
19.	Managing / controlling mud:						
	Before....	1	2	3	4	DK	NA
	After	1	2	3	4	DK	NA
20.	How my management practices impact clean water:						
	Before....	1	2	3	4	DK	NA
	After	1	2	3	4	DK	NA

21. Please list practices or management changes you have made as a result of taking this class. (Examples might include composting manure, covering manure piles, installing gutters and downspouts, pasture mgmt., etc.)

_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

22. The most positive impact of these changes was _____

23. Your gender (check one) Male ☐ Female ☐

24. What is your age? _____

25. Highest educational level you have attained? High School or less ☐ Bachelor's degree ☐

Some college ☐ Graduate degree ☐

26. How many years have you lived on acreage (current and former property)? _____

Please return this questionnaire BY NOVEMBER 16th in the stamped, self-addressed envelope provided with this questionnaire. We will follow-up with a telephone call.

If you have questions about this survey, call Doug Stienbarger at 360-397-6060 x7716 (stiendm@wsu.edu).