Zenger Farm and Wetland Restoration Project Final Report

Metro Regional Parks and Greenspaces Habitat Restoration Grant

May 27, 2000

Submitted to: Lynn Wilson Metro Parks and Greenspaces Portland, Oregon

> Jennifer Thompson U.S. Fish and Wildlife Portland, Oregon

Submitted by: Stephan Gilchrist School of Education Portland State University Portland, Oregon Project Area Map (see Appendix A)

Project Site Map (see Appendix B)

<u>Project Photos and Slides</u> (see Appendix C)

Project Description

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Location: Zenger Farm and Wetland 11714 Foster Rd. Portland, Oregon

Zenger Farm and Wetland is thirteen acre area composed of wetlands, grasslands, and a working organic farm. The land is currently owned by the City of Portland's Bureau of Environmental Services and is leased to the non profit organization Friends of Zenger Farm and Wetland (FZF). Portland State University has been involved with the farm through a senior level capstone class entitled Neighborhoods and Watersheds. Students in this class work with FZF on various community projects throughout the term. The Metro grant supported student projects in restoring a section of Zenger Farm and Wetland. 187

The focus of the capstone projects culminated in the enhancement of the uplands area of riparian habitat that had been overwhelmed with non native blackberry. Restoration of the area consisted of planting native vegetation to enhance wildlife and plant diversity. The project occurred in various stages over several terms with involvement of two different capstone classes. These stages were: school outreach; planning; community outreach; and planting.

The main goal of the school outreach stage was to educate and make connections with local schools/educators regarding the opportunity to work with Portland State University capstone students on the Metro grant. Efforts included mailings to schools in the Johnson Creek Watershed, and flyers posted at Portland State University's School of Education inviting educators to an informational fair at the farm. This occurred in the spring of 1999.

Although initial contacts were made and interest was shown, we did not have K-12 involvement due to the Environmental Middle Schools adoption of Oaks Bottom (instead of Zenger Farm) as their study site and the extra time and effort needed to work closely with Kelly Elementary School.

Project planning (the second stage) began during late summer 1999 with a new group of capstone students. The planning phase consisted of students researching

appropriate plants, appropriate community outreach efforts, creating a planting plan, and organizing logistics for planting day. The students worked with FZF, Bureau of Environmental Services, Walker Macy Landscape Architects, and U.S. Fish and Wildlife. The planning stage took approximately four months to complete.

The third stage, community outreach, relied on door to door leaflet hanging near the Zenger Farm neighborhood, and presentations at Portland State University classes. Initial efforts at building a web page as part of community outreach were abandoned due to cost and possible ineffectiveness in reaching local residents.

The last stage of the project was the actual planting of native vegetation. Students along with approximately ten other volunteers spent most of Saturday, March 4, 2000 planting trees, shrubs, and grasses.

Project Goals and Benefits

- Enhanced habitat for wildlife.
- Increase in plant diversity.
- Removal and reduction of invasive species.
- Hands-on educational opportunities for Portland State University students.
- Opportunities for community involvement for Portland State University students.
- Provide initial enhancement efforts at Zenger Farm.

Tasks and Timelines (see Appendix D)

Budget (see Appendix E)

Project Staff, Partners, and Volunteers

Stephan Gilchrist, Portland State University, Project Coordinator/Grant Manager/Capstone Instructor (fall 1999-spring 2000).

Marc Boucher-Colbert, Friends of Zenger Farm and Wetland Board Member - provided input on planning, participated in community outreach efforts.

Daniela Brod, Bureau of Environmental Services/Friends of Zenger Farm and Wetlands Board Member -project oversight, input on planning.

Elisabeth Reese, Bureau of Environmental Services/Americorps/Previous Capstone Student -liaison between capstone class and Bureau of Environmental Services, provided input on planning and planting methods.

Deb Lippoldt, Friends of Zenger Farm and Wetland Board Member -worked closely with students on developing community outreach efforts.

Shannon Tuch, Walker Macy, Landscape Architect -provided help in designing and drawing planting plan.

James Allison, Bureau of Environmental Services -provided input on plants, tubes, mouse mesh, and mulch.

Barry Messer, Portland State University, Capstone Instructor (spring 1999).

Dilafruz Williams, Portland State University, Director for the Center for Academic Excellence -prepared grant, Portland State University administration.

Friends of Zenger Farm and Wetlands Board Members (additional)

Terry Anderson Deborah Kane Mia Myers Steve Johnson Jim Sitzman

Capstone Students x 25

Planting Day Volunteers (see appendix D)

How Zenger Farm Project Relates to Greenspaces Program

The Zenger Farm habitat restoration project relates to Metro's Greenspaces program by:

Helping with restoration, protection, and management of metropolitan greenspace through the replacement of non native with native vegetation in order to create a healthy ecosystem that helps recreate the original ecology of the area;

Involving a myriad of partners and community members who, through their direct involvement in the project, helps strengthen the ethic of care for local flora and fauna.

What Worked, Didn't Work, and Other Helpful Hints

What worked:

- Involving college students in the project from beginning to end.
- Having professionals, such as a landscape architect, help with plans.
- Have close, regular communication between groups and team members.
- Role playing the planting day event as a way of planning for the day.
- Organizing planting area by zones and teams.
- Having the capstone class be a two term course.

What didn't work:

- Trying to involve K-12 schools. This was too time consuming for capstone students to do along with developing and implementing the restoration.
- Door to door flyers attracted only one neighbor to the restoration.

Helpful hints:

- Provide more structure for the students initially, e.g. help develop a task table immediately.
- Regular communication with partners.
- Leverage partner resources, e.g. tools and expertise.
- Leave room in timeline for unforeseen obstacles and delays.
- Provide incentives for neighbors to get involved, e.g. fun activities, giveaways.

Advice for Project Managers (see above)

Monitoring and Maintenance Plan (see appendix F)



PPENDIX B Commercial Development m URBAN BOUNTY FARM Redini 3 SPRINGWATER 1176 RANSITION CORRIDOR P URBAN BOUNTY FARM TRAL BUFFER HONE WETLANDS Q UPLAND MEADOW 1000ft 0, SITE In Man EMBANKMENT 100



APPENDIX C





TASK	#	PERSON RESPONSIBLE	DEADLINE	COMMENTS
SECRETARY	1	DEON	ONGOING	ORGANIZE MEETING NOTES, MATERIALS TRACK OVERALL PROGRESS
BUDGET	. 1	DEON	ONGOING	CREATE AND OUTLINE EXPENSES
PLANT LIST	1	KRIS 12/2 TO BI		COMPILE PLANT AND RESEARCH LIST
				GROUP DECISION ON 11/23
SCHOOL LIASON	1	BRIAN	ONGOING	DEVELOP SCOPE OF WORK WITH SCHOOLS, CONFIRM DATES
FZF AND BES LIASON	1	KRIS	ONGOING	ATTEND BOARD MEETINGS (12/14, 1/19, 2/15)
				TRACK OVERALL PROGESS
DOCUMENTATION	1	ROBYN	ONGOING	DOCUMENT PROCESS, PLATNING AND MONITORING THROUGH
	1.1		12.1	WRITTEN DOCUMENTS AND PHOTOS
NEIGHBOR OUTREACH	1	BRIAN	18-Jan	TALK WITH NEIGHBOR TO GET VIEWS ON PLANTING
· · · · · · · · · · · · · · ·				WORK WITH MARC AND OUTREACH GROUP
OBTAIN PLANTS	1-2	TANYA (ROBYN)	28-Jan	RESEARCH SOURCES AND AVAILABILTY
				ORDER PLANTS
		•		COORDINATE LOGISTICS
PLANTING SUPPLIES	1	KRIS/BRIAN	15-Feb	INVENTORY EXISTING SUPPLIES AT ZENGER
				RESEARCH ADDITIONAL NEEDS
		,		ORDER ADDITIONAL SUPPLIES (CARDBOARD, BEAVER GURADS, MULCH, ETC.) BY 1-18.
TOOLS	1	KRIS	15-Feb	RESEARCH OPTIONS
•		·		ORGANIZE LOGISTICS (HOW MANY, WHAT KIND, DELIVERY, RETURN)
STIE PREPERATION	2	ELIZABETH	2-Dec	DEVELOP OUTLINE
		TANYA		ORGANIZE NECESSARY SUPPLIES
		DEON		
ONSITE COORDINATION	2-3	BRIAN	18-Feb	ORGANIZE LOGISTICS, PARKING, VOLUNTEER TASKS
		ROBYN		OBTAIN FOOD AND BEVERAGES THROUGH DONATIONS
		TANYA		WORK WITH OURTEACH GROUP
PLANTING PLAN		JULANE	1-13 DRAFT	SUBIT REPORT OT BES AND USFW
		BRIAN	1-27 FINAL	BES WILL RETURN DREAFT BY 1-18
		ROBYN		
MAINTENANCE PLAN	3	JULANE	12-2 GUIDLINE	SUBIT REPORT OT BES AND USFW
		TANYA	1-13 DRAFT	BES WILL RETURN DREAFT BY 1-18
		DEON	1-27 FINAL	

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Zenger Farm Project Budget

Awarded Grant	Amount		
Total	\$3,000.00)	
Project Costs			
Item	Cost		
personnel (Stephan Gilchrist	\$1,082.00)	
plants	\$485.50)	
seeds	\$68.00)	
flagging/gloves	\$60.16	5	
mulch	\$110.00)	
porta-potty	\$100.00)	
mailings	\$8.25	5	
enlargement	\$3.92	!	
paper	\$3.00)	
color copying	\$9.94		
signboard	\$1.18		
laminate	\$4.00)	
color copying	\$3.96		
poster material	\$2.69		
poster material	\$22.15		
poster material	\$9.32		
photo development	\$9.00		
photo copying	<u>\$30.45</u>		
Total	\$2,013.52		
Original Grant-Costs	\$986.48		
In-kind Contributions		 	
Item	Cost	Calculation	Organization
weed mats	\$115 50		Organization
beaver tubes / mouse mesh	\$125.00		Bureau of Environmental Services
tools	\$203.00		Bureau of Environmental Services
Stephan Gilchrist	\$6 476 76	calary	Portland State University
Flisabeth Reese	\$1 360.00	68 hrs v ¢20	Purpose of Environmental Control (Anni
Shannon Tuch	\$1,300.00 \$120.00	6 hrs x \$20	Walker Mass
Dilafruz Williame	¢010.00		Portland Chata II.
Barry Messer	\$910.00 ¢100.00	5 hra v ¢20	Portland State University
Daniela Brod	\$200.00	10 hrs x \$20	Purpose of Englisher and I Construction
James Allison	\$200.00 ¢40.00	2 hrs. x \$20	Bureau of Environmental Services
Marc Boucher Colhort	\$40.00 ¢200.00	2 IIIS. X \$20	Bureau of Environmental Services
Deb Lippoldt	\$300.00 ¢140.00	15 nrs. x \$20	Friends of Zenger Farm
Erionds of Zongor Form Road	\$100.00	4 hrs :: \$10	Friends of Zenger Farm
apstopa stylester 12	\$240.00	4 nrs. x \$10	Friends of Zenger Farm
capsione students x 12	\$12,600.00	150 nrs. x \$7	Portland State University
apstone students x 13	\$2,275.00	25 hrs. x \$7	Portland State University
planting day volunteers x 10	\$500.00	5 hrs. x \$10	community
Fotal	\$25,725.26		
'In kind personnel rates were h	based as foll	ows: students	\$7/hr.; adults \$10/hr.; professional \$20/hr



Photo-Monitoring Points

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Element	Photo	Compass	Location information
	Point #	Bearing	
Trail Element	1	S 30°E	from mile post eleven on the Spring Trail Corridor looking @ restoration site
Top Element	2	N 20°W	from 50 feet above the restoration site looking down @ the site
Overlook Element	3	N10°W	from highest point, 100 feet above site looking down @ the site
West-Side Element	4 N40° E		from the second Plum tree, 50 feet from the west edge, looking from the side @ the site
Lower Element	5	S 0°	from the neighbor's fence line looking up @ the restoration site

APPENDIX 53



PHOTO POINT #1: Trail Element From mile post eleven on the Spring Trail Corridor looking @ restoration site: (S 30°E)

(NOVEMBER 7999)



PHOTO POINT #2: Top Element From 50 feet from restoration site looking down @ the embankment: (N 20°W)

(NINEMBER 1999)

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APPENDIX 4



PHOTO POINT #3: Overlook Element From highest point, 100 feet from restoration site looking down @ entire site; (N 10°W)

(NOVEIMBER 1999)



PHOTO POINT #4: West-side Element From the second Plum tree, 50 feet from the west edge looking @ the site; (N 40° E)

(NOVEMBER 1999)

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APPENDIX F5

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PHOTO POINT #5: Lower Element From the neighbor's fence line looking up @ the restoration site; (S)

(NOVEMBER 1999)

ATTENDIA To



(mARCH 4, 2000)

AFTER RESTORATION

APPENDIX +



ATTENDIX F



PHUTUPOINT # 5 AFTER RESTORATION

(MARIH 4, 2000)

APPENDIX FS

Restoration Project at Zenger Farm Maintenance Plan

WHAT

WHEN

<u>Photo-Monitoring</u> According to provided photo-monitoring plan

Every May

2002

Every May

during the winter

Maintenance

-Remove mouse mesh and stakes

-Conduct monitoring survey --Determine plant mortality

--Determine need for weeding --Determine need for more planting ----Conduct weeding and planting activities deemed necessary

-Mulching

July 2000 and July 2001

-Watering

-Continued maintenance (miscellaneous) Depending on weather. If summer is too hot, water may be needed then.

If plants are needed they need to be planted

Ongoing

WHO

Friends of Zenger will be responsible for all monitoring and watering. Senior Capstone Group will do initial photo-monitoring and planting. Date: May 27, 2000

- To: Lynn Wilson Metro Parks and Greenspaces
- From: Stephan Gilchrist Portland State University

Re: Metro Grant/Zenger Farm Project

Lynn,

Enclosed is the revised report including the original photos that you had requested. The first set of photo monitoring points were taken with a digital camera, the second set (after the restoration) were taken with a conventional camera. Accordingly, I have enclosed two disks from the digital camera, as well as original photos taken after the restoration. Portland State University Accounting will provide you with original receipts and billings for the project. Please let me know if there is anything else I can provide.

Thank you again for all your help.

Sincerely,

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