

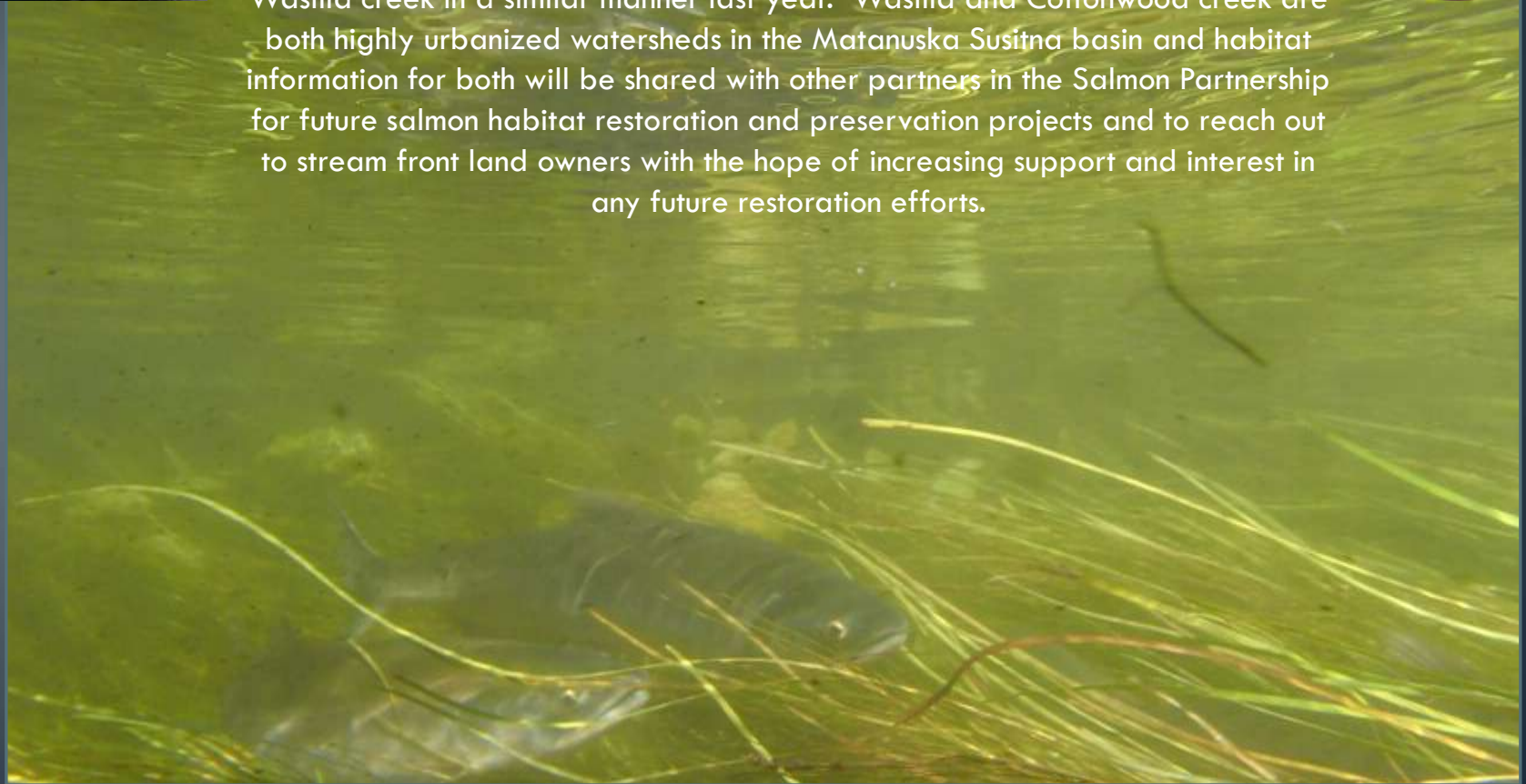


# Cottonwood Creek Mapping Project

Palmer Soil and Water Conservation District  
NFHAP funding recipient



**Abstract:** Palmer Soil and Water Conservation District staff is mapping Cottonwood Creek with a Trimble GPS unit to verify stream location, collect geomorphic and habitat information, and identify restoration opportunities. Type of data collected includes stream channel width and depth, substrate size, floodplain width, invasive plant infestations, riparian vegetation, degree and kind of human modifications, and photos. Fish and Wildlife personnel mapped Wasilla creek in a similar manner last year. Wasilla and Cottonwood creek are both highly urbanized watersheds in the Matanuska Susitna basin and habitat information for both will be shared with other partners in the Salmon Partnership for future salmon habitat restoration and preservation projects and to reach out to stream front land owners with the hope of increasing support and interest in any future restoration efforts.





**METHODS**











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Google earth

Imagery Date: 4/14/2011 2004

61°32'47.94" N, 149°28'46.98" W elev. 195 ft

Eye alt 49108 ft





62' Deviation  
from National  
Hydrography  
Dataset (NHD)

Google earth

Imagery Date: 4/14/2011 2002

61°34'25.51" N 149°24'29.98" W elev: 316 ft

Eye alt: 4446 m



Imagery Date: 4/14/2011 2002

Google earth

Eye alt 5218 ft

## RESTORATION OPPORTUNITIES



Reed canary  
grass





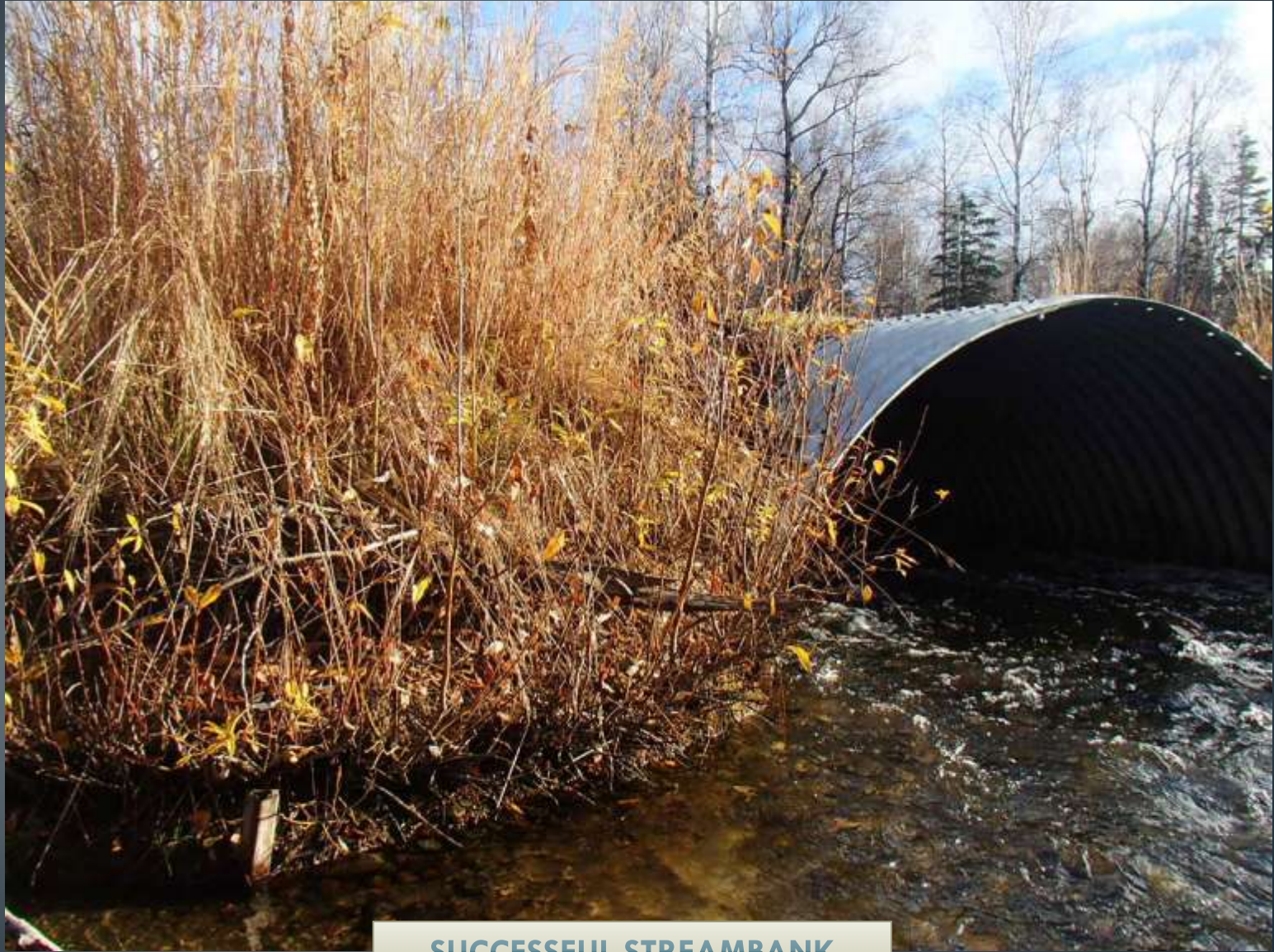










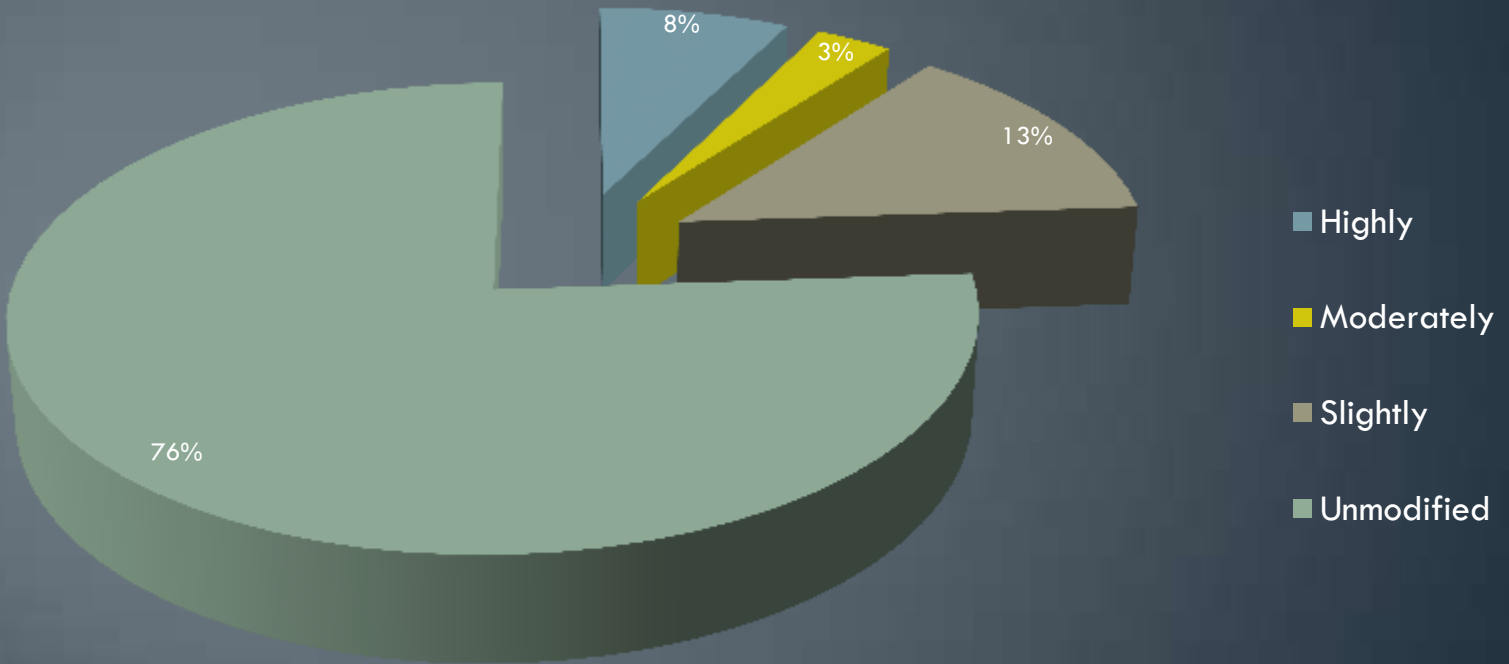


**SUCCESSFUL STREAMBANK  
RESTORATION !**

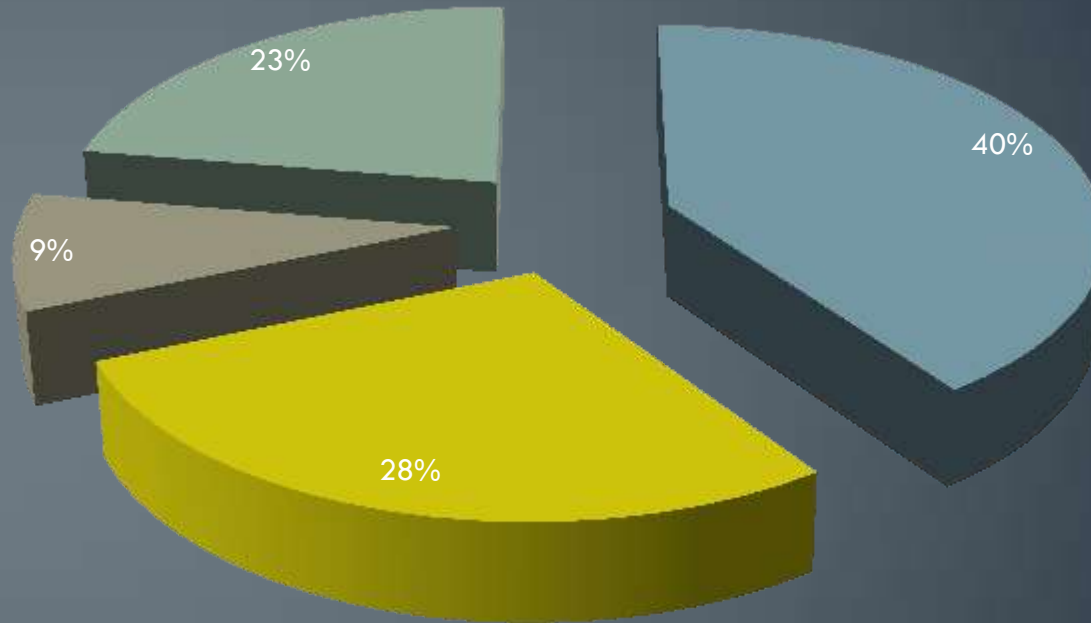
PARCEL INFO							PHOTO INFO		
TAXID	ACRES	OWNER	ADDRESS	CITY	STATE	ZIP	ID	PHOTO FILE	Notes
18N01E26B001	147.5096	KIRCHER RALPH O	27517 46TH AVE	AUBURN	WA	98001-2010	1	2070	Concrete riprap on river right
18N01E27D001	74.68981	KIRCHER HENRY M	27517 46TH AVE	AUBURN	WA	98001-2010	2	2074	Rock dam across stream with large drop. Down stream of bridge in photo
18N01E27D001	74.68981	KIRCHER HENRY M	27517 46TH AVE	AUBURN	WA	98001-2010	3	2077/2078	Blue grate in stream making possible fish barrier
18N01E24C007	14.9691	DIAS DAVID T SR & M	4300 N TRUNK RD	PALMER	AK	99645	4	1915	Lawn on river right with debris on bank
18N01E24B010	7.435064	KENLEY F CHAS & CAROL L	5200 N PALMER-FISHHOOK RD	PALMER	AK	99645	5	1905	Conex building 25 feet from bank of river right
18N01E24B018	40.038361	OBERG CLYDE & JUNE	5150 N PALMER-FISHHOOK RD	PALMER	AK	99645	6		Timothy field up to bank for 50 feet
5530B04L012	0.929939	KRAUSE WM A & SHANNON M	7040 E JEAN DR	PALMER	AK	99645-8419	7	1990	Lawns up to bank all along reach. No riparian buffer
3051B01L016	2.817326	HALFHILL CLIFFORD CLAYTON	3425 N CALDER RD	WASILLA	AK	99654-4621	8	1970	House with lawn 30 feet from left bank
5647000L002	7.52049	CREEKWOOD PARK LTD PARTNER	4110 EATON AVE, STE A	CALDWELL	ID	83607	9	1947	Denuded banks on river right
1717B01T00A	5.679339	DELA CRUZ FRANCISCO ASI	PO BOX 876806	WASILLA	AK	99687-6806	10	2016/2017	Live electric line across stream causing debris build up
1422B02L005	10.418666	OATHOUT MARK A	PO BOX 872636	WASILLA	AK	99687-2636	11	2020	Denuded banks with club house along bank on river left
6742000T00B-2	114.37251	TURNER INGEBORG M	PO BOX 3489	PALMER	AK	99645-3489	12	2084/2085	Old homestead culvert almost completely blocking stream
6742000T00B-2	114.37251	TURNER INGEBORG M	PO BOX 3489	PALMER	AK	99645-3489	13	2086	Old broken down homeless camp along river left bank
18N01E27D001	74.68981	KIRCHER HENRY M	27517 46TH AVE	AUBURN	WA	98001-2010	14	2079	Banks eroded by cows all along reach on river right bank

**CONTACT LANDOWNERS**

# Modifications



# Substrate



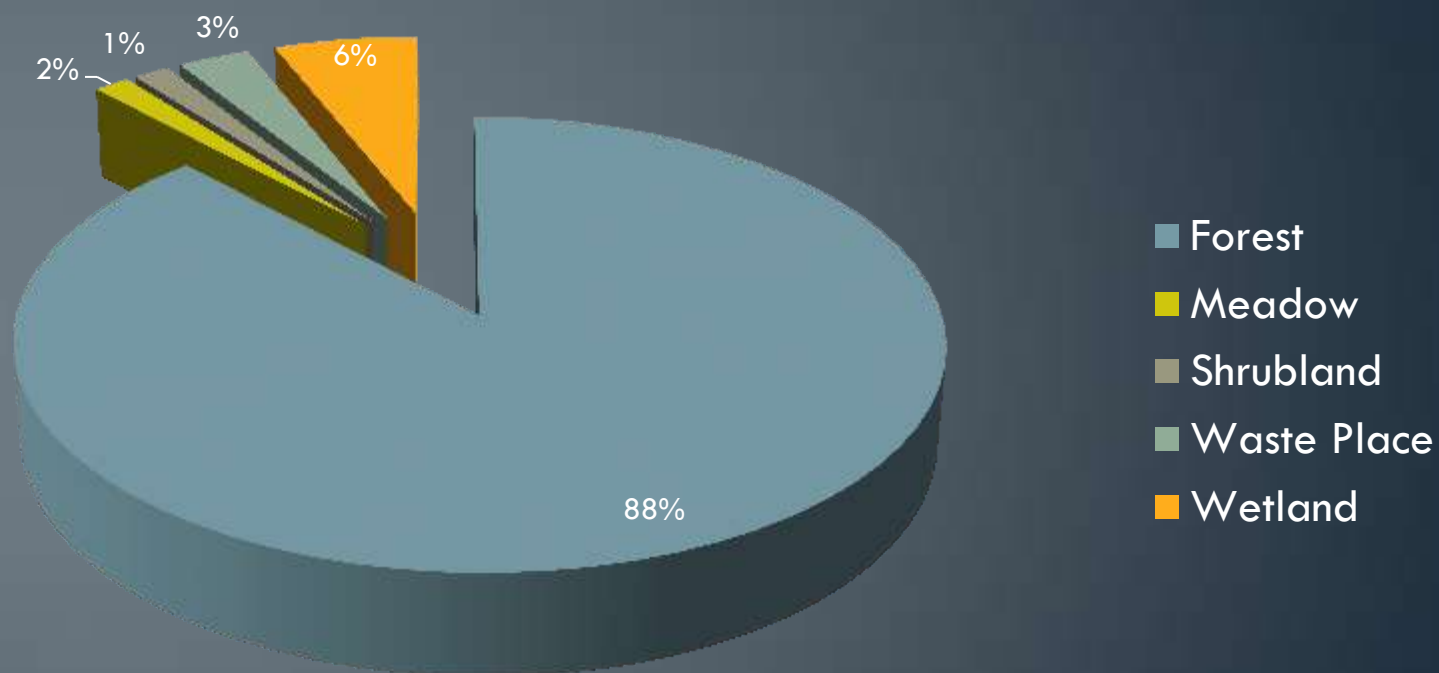
■ Cobble

■ Gravel

■ Sand

■ Silt

# Vegetation Type



Questions?