South Fork Coquille River
"Road and Landing Inventory"
PROJECT #200-044

by
COQUILLE WATERSHED ASSOCIATION

PROJECT FINAL REPORT
June 24, 2002

Example of erosion problem on unpaved road

PREPARED BY
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Additional copies of this report can be obtained from the Coquille Watershed Association at 450 Highway 42 East, Coquille, OR 97423.
Phone (541) 396-2229 for more information.

Project Location

This project occurred within the South Fork basin of the Coquille River watershed. The sub-basins targeted within the South Fork watershed were Yellow Creek, Rowland Creek, Mill Creek, Salmon Creek, Baker Creek and Dement Creek. Further survey work was completed on the Beaver Creek Watershed.

Please refer to attached map for project locations.

Background

Sediment inputs into streams from poorly placed culverts, slumping road fills, or badly managed roads are a significant problem within the Coquille River watershed. This type of sediment input causes essential fisheries habitat such as spawning gravel and pools to fill and shallow. Road and culvert surveys are completed throughout entire sub-basins to determine these erosion problems, fish passage problems, and other possible sediment problems.

Example of failing culvert on Dement Creek Road

Original Purpose

The goals of this project were to survey six basins within the South Fork Coquille River watershed (listed above). The Coquille Watershed Association Restoration Crew was to complete the surveys using the Pacific Watershed Associates protocol. The sites surveyed would be documented and then ranked in order according to potential for failure, erosion or fish passage problems. After the sites are determined and ranked, the CWA will try to find funding to complete fixes to correct the problems found.

Cooperators/Scope of work

The survey work was completed on Coos County Highway property, many private landowners, Moore Mill Timber Company, West Brook Timber, and Roseburg Lumber. The Coos County Highway department donated personnel time, survey signs and safety vests for this project. The other cooperators donated personnel time and permission to access their property. This project is still continuing. To date, 80% of the drainage has been surveyed.

A total of 403 sites were surveyed to date as part of this project. This is approximately 50 mile of roadway surveyed. Of the 403 sites surveyed, 62 sites needed no treatment. Seventy three (73) stream crossings were recommended to be upgraded or replaced due to being undersized, rusted out or failing so some other reason. One hundred sixteen ditch relief culverts were recommended to be upgraded due to undersized, failing or crushed. One hundred forty two (142) stream crossings, ditch relief culverts, and drainage ditches were recommend to be receive maintenance due to being plugged, needing downspout repairs, or any other related problems. Ten (10) roads needed to be maintained due to erosion problems and sediment delivery.

This survey was funded by OWEB and ODEQ. The ODEQ funding is being used to continue survey work on the Beaver Creek Watershed, Two Mile Creek, Four Mile Creek, and the South Fork Watershed. These surveys are not yet complete. After all of the surveys are complete, a report will be generated to prioritize and describe all of the recommended fixes for each site. OWEB will receive a copy of this repost as an addendum when it is complete. The CWA crew is currently completing these surveys and should be complete by September. Since the OWEB funded portion of the project is complete, we are submitting this as a "preliminary" final report.

Expected Outcome

Once the "fixes" are compiled the CWA Projects Committee will review and prioritize each site. The CWA will seeking funds from several grant sources to complete the highest priority road, culvert and landing fixes needed within these watersheds. This work is typically done during the summer in-stream work season. We have also been working with the timber companies and the Coos

County Highway Department, they are completing several of the fixes on their property on their own.

Plugged Culvert with poorly placed overflow pipe

Budget Information

The following cooperators assisted with the completion of this project by funding, in-kind work, or other donations as noted:

Name	Type of assistance	Dollar Amount or value	Comments
Coos County Highway	Project oversight assistance, and equipment	$900.00	Paul Slater, Environmental planner and survey equipment.
Department of Environmental Quality 319 funds.	Grant funds	$15,750.00	Grant funds for survey work.
Moore Mill Timber	Donated personnel time.	$250.00	Review of site surveys
Roseburg Lumber	Donated personnel time	$250.00	Review of site surveys
Total Match		**$17,150.00**	
OWEB Funds		**$45,650.00**	
Total Project Cost		**$62,800.00**	

Please refer to the attached spreadsheets for details of how funding from OWEB was expended.

Check?___ **PWA ROAD INVENTORY DATA FORM** (ADAPTED FROM USFS) ASAP?___

GENERAL INFO. Site #: GPS coord: Watershed: Photo: T/R/S:
Road: Mileage: Maintained(Y): Abandoned(Y): Driveable(Y):
Inspector(s): Date: Year built: Sketch?(Y):
Treat? (Y,N): Upgrade?(Y): Decommission?(Y):

PROBLEM (circle)- Landslide (fillslope, cutbank or hillslope) Stream crossing Gully
Road bed (rd surface, ditch, cutbank) Ditch Relief CMP Other

Landslide - road fill failure: landing fill failure: deep-seated landslide:
cutbank slide: already failed: potential failure:
dist. to stream (ft): slope(%):

Stream - culvert (Y): bridge (Y): Humboldt (log)(Y): fill (Y): ditch/rd length (ft) - L: R:
pipe diameter (in): pipe condition (O,C,R,P) ------> inlet: outlet: bottom:
headwall hgt(in): cmp slope(%): stream class(L,M,S,type F,D,N): rustline(in) - inlet: outlet:
% washed out: D.P. (Y, N): diverted (Y,N)?: plug potential (H,M,L):
channel grad(%): channel dimensions W: D: sed. transport (H,M,L):

Fish - Outlet drop(ft) - at time of survey: at bankful: Max step hgt. below cmp outlet(ft):
Outlet pool dimensions (ft) - at time of survey - L: D: Pool at bankful flow - L: D:

Erosion - Erosion Potential (H,M,L):
Past erosion (field-yds): Delivery (%): Size W: D: L:
Future eros (field-yds): Delivery (%): Size W: D: L:

Comment on problem - _____

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SOLUTION Treatment immediacy (H,M,L): Complexity (H,M,L): Mulch area (ft^2):

Treatment-

excavate soil(Y): install critical dip(Y): install ford(Y): sill hgt: width:
add TR/DS(Y): (ft): repair/clean cmp (Y): install/repl cmp (Y): (dia.): (ft):
reconst. fill (Y): armor fill face (Y) - up/down: (ft^2):
clean or cut ditch (Y): *(ft):* *outslope rd (Y):* *(ft):* *rolling dips (Y):* *(#):*
remove berm(Y): *(ft):* *inslope road (Y):* *(ft):* *rock surface (Y):* *(ft):*
check cmp size (Y): other (Y): none (Y):

Tot vol excav (field-yds): Vol put back in (yds): Vol removed (yds):
Vol stockpiled (yds): Volume endhauled (yds): Exc prod rate (yds/hr):

Hours- excavator: dozer: dump truck: grader:
loader: backhoe labor: other:

Comment on treatment:_____

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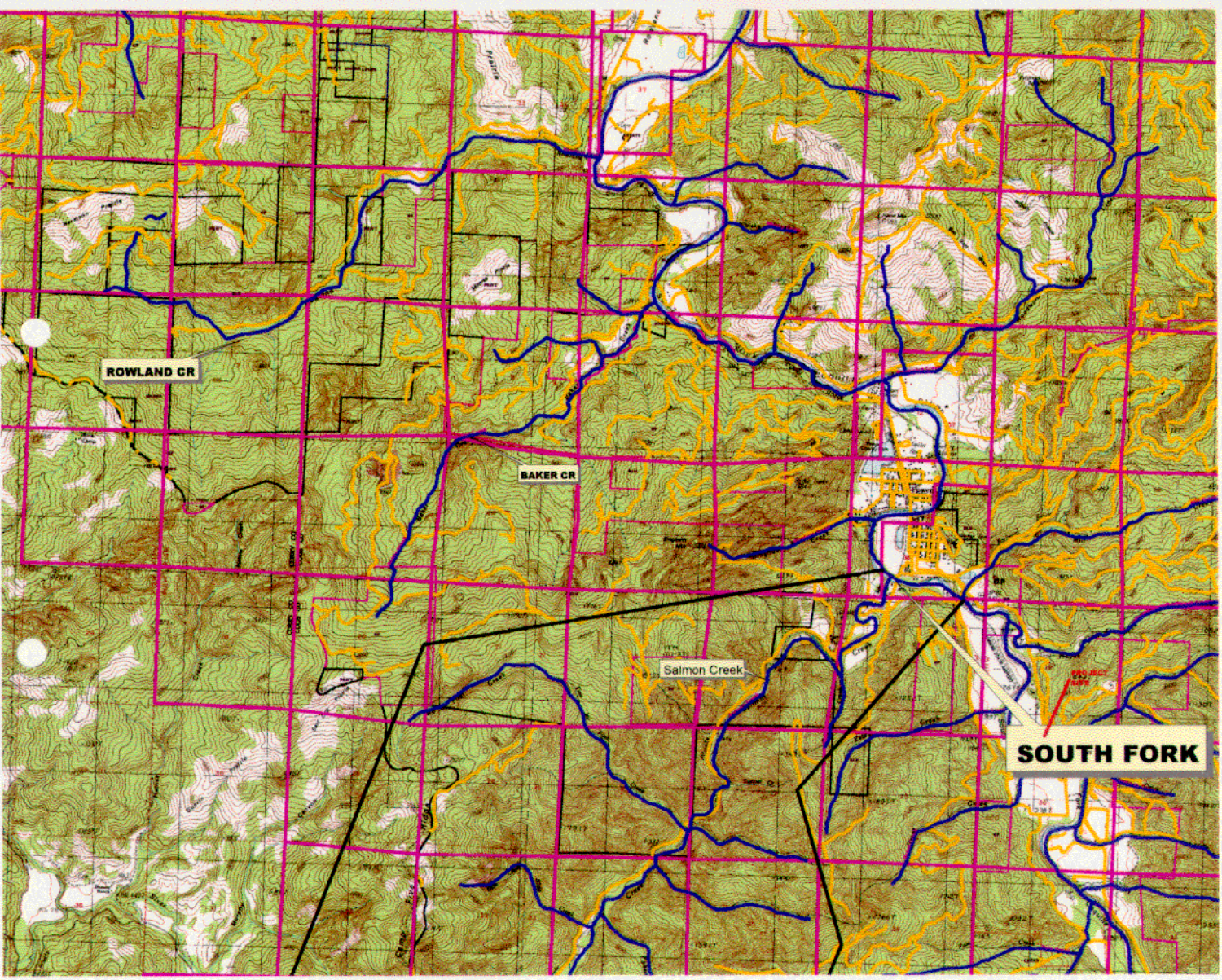
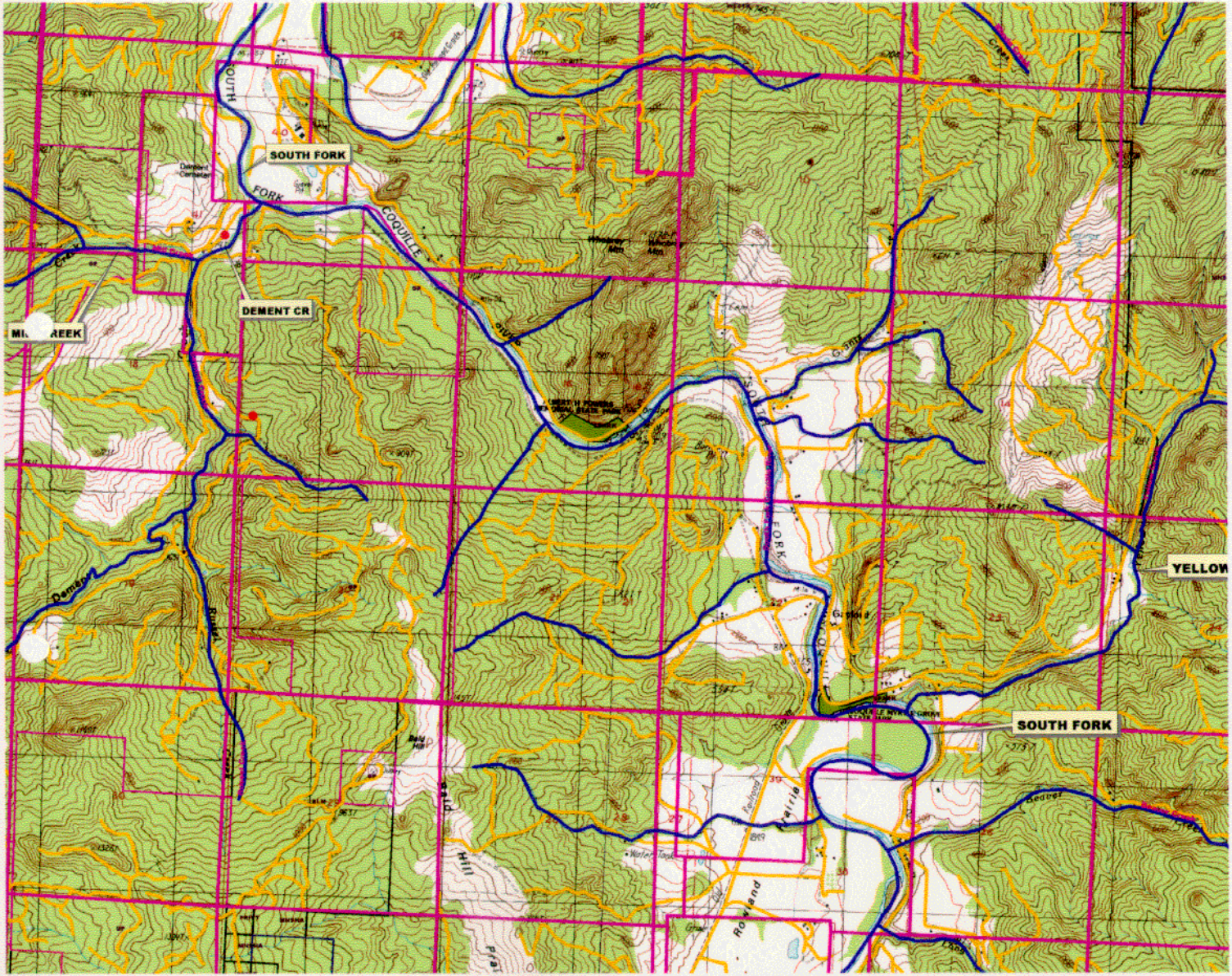

ROWLAND CR
BAKER CR
Salmon Creek
SOUTH FORK


SOUTH FORK
FORK
COQUILLE
DEMENT CR
SOUTH FORK
YELLOW