

**INSTRUCTIONS FOR  
READING THE PROTECTED  
AREAS DESIGNATIONS**

**June, 1991**

NORTHWEST POWER PLANNING COUNCIL  
REVISED PROTECTED AREAS DESIGNATIONS

June, 1991

**Introduction**

The Northwest Power Planning Council's Revised Protected Areas Designations identifies the river reaches the Council has studied in connection with its protected areas rulemaking proposal, and indicates which of these river reaches the Council has designated as 'protected' in the Columbia River Basin Fish and Wildlife Program and the Northwest Conservation and Electric Power Plan. This list is being distributed in its entirety or in parts, on computer disks and in printed form, depending on the needs of the person requesting the list. The list should be used in connection with the Council's 'Protected Areas Amendments and Response to Comments' (September 14, 1988), a paper which contains the text of the final rule. Copies of this paper are available from the Council's Public Involvement Division, at the Council's central office, 851 S.W. Sixth Avenue, Suite 1100, Portland, Oregon, 97204 or call toll free 1-800-222-3355, Oregon 1-800-452-2324, or 1-503-222-5161).

**How to Use This List:**

The list shows by 'stream reach'<sup>1</sup> each of the areas which is protected. To determine whether a particular reach is protected, please use the information provided below, and locate the status of that reach. The list is the authoritative listing of protected areas adopted through the Council's rulemaking process. If you need further information about how to use this list, if you would like more information on the species of concern in a particular reach, or have other questions, contact the Council's Fish and Wildlife Division at the Council's central office.

The list represents an amended version of the original listing made in 1988. A number of changes have been made as new information became available. This series of changes can be referenced by looking under the 'Date of Change' column for an entry of 08/08/90.

The purpose of the list of protected areas is to show where protected areas are located and to show the kind of fish or wildlife for which protection is applied. In many instances, several species of concern or several types of protection are present in a stream reach. This listing represents the first attempt at listing each type of protection that applies for any given reach.

Due to space limitations, it was impractical to identify each species found in each of the reaches. However, detailed information regarding each of the species of concern is available from the Council on request.

The list identifies all stream reaches included in the Council's hydro assessment studies in Oregon, Washington, Idaho, and in those parts of Montana within the Columbia River Basin. For each State, the list is organized alphabetically by Subbasin. In the Columbia River Basin, the list in each subbasin begins with the stream reach closest to the

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<sup>1</sup> A 'stream reach' is that part of a stream that runs from the mouth of the stream to its first tributary, or from the stream's intersection with one tributary to its intersection with the next tributary.

Pacific Ocean, and moves upstream. For the Oregon and Washington coasts, the list starts with the southern-most stream reach, and ends with the northern-most reach. Puget Sound begins with the northwestern part of the Sound, proceeds south down the western side of the Sound (the Olympic Peninsula), and then north up the east side of the Sound.

The list is organized state by state, and by major watersheds (subbasins) within each state. Because several subbasins cross state lines, subbasin lists may include reaches from more than one state (identified by a code in the 'ST' column of the list). The 76 subbasins used, and the numbers of the river reaches in each subbasin, are listed in Attachment 1. Attachment 2 provides a cross-reference between county names and subbasins.

For each subbasin, the Protected Areas List begins with the mouth of the subbasin's major river (the river into which all other rivers empty, in the subbasin). From the river's mouth, the list moves upstream to the river's first tributary. This part of the river from the mouth to the first tributary, constitutes the first 'stream reach' in the subbasin, for which data are provided. If the stream has other tributaries, the list will follow each of those tributaries to its headwaters. If the tributary has no streams that branch off from it, then the second stream reach will consist of the tributary from its mouth to its headwaters. Because the tributary has no streams that branch from it, the first tributary is a single stream reach. After reaching the headwaters of each tributary, the list will begin again at the river or stream from which the tributary branched. The next stream reach will be the part of the river from the point where the first tributary branched to the point where the next tributary branches. This pattern continues until the headwaters of the mainstem stream is reached.

#### **Information Provided by the List:**

For each stream reach, the following information is listed:

- (1) an identification number for the reach ('ID NUM');
- (2) the stream name;
- (3) the starting point of the reach ('STARTING FROM');
- (3) the end point of the reach ('GOING TO');
- (4) the stream that the reach flows into ('TRIBUTARY TO');
- (5) the state in which the reach is located ('ST');
- (6) a single letter code showing the protected status of the particular portion of the reach ('PR CA' - see Table 1 for protected areas categories and codes);
- (7) the length range within the reach for which the protected category is applicable ('PR CA RANGE'). If more than one protected category applies to a given reach, or if only a portion of a reach is protected, then the reach will have an entry for each category (ie PR CA 'A' for range 0.0-3.0 and PR CA 'U' for range 3.0-5.0 for a 5 mile reach where only the first 3 miles are protected);
- (8) the length of the portion of reach represented that is protected ('PROT LENG') in miles and;
- (9) the date of the last changes ('DATE OF CHANGE'), this is a new

field number and is only accurate for this latest set of changes.

### **To Locate A Particular Stream Reach:**

It may take you a little time to become familiar with the list, and how to use it. Below, we outline some steps to take as you begin learning how to use the list. These are merely recommendations, however. You may find other ways to use the list which, together with information or maps from other sources, may suit you better. The beginning steps we recommend are as follows:

First, refer to Table 1, the list of subbasin names cross-referenced by EPA river reach number, or Table 3, subbasin names cross-referenced by county. Identify the subbasin that includes the area of concern. The Protected Areas List is organized alphabetically, according to these subbasin names by State. Refer to the portion of the Protected Areas List for the relevant subbasin.

Second, look in the 'stream name' column of the list itself for the name of the stream of concern. Recall that the list begins with the mouth of the largest river in each subbasin and works up toward the headwaters. If the stream of concern has no tributaries, then there will be only one stream reach for that stream, and that will be the stream reach of concern to you.

Third, if the stream of concern has tributaries, it will have more than one stream reach. Accordingly, the stream will appear more than once in the 'stream name' column, and you must find the particular reach of the stream that includes the area of concern. There are two ways to do this. First, determine what tributaries lie on either side of the area of concern, and locate them in the 'starting from' and 'going to' columns associated with the relevant stream name. The area between these tributaries is the stream reach of concern. A second method involves add the cumulative lengths of the reaches in a stream until you reach a given river mile.

Fourth, refer to the 'protected category' to determine whether the portion of the reach described is protected, and if so, for what reason. Table 1 lists the codes used to indicate the reason for protection. If you wish further information on the reasons for the listing, note the identification number for the stream reach ('ID NUM'), and contact the Council.

Data are incomplete in some cases. For example, the end point for a stream reach is not provided when a reach ends outside a state. In these instances, the 'tributary to' entry will say 'No Downlink.' In some cases stream reach lengths were unavailable, as indicated by a protected category range of '0.0-0.0.'. The lack of stream length data in these instances will require the user to identify the tributaries that border the reach of concern, in order to find the reach. In the summaries and analyses made with this data base, this lack of stream-length data has no effect.

Two special reach types are included in the list: reaches that include a wide stretch of a river, and reaches that include part of a lake. These reaches are identified by 'GOING TO' entries of 'wide river reach,' or 'lake interior reach.' These reach types are used to provide continuity in the coding system through lakes and wide rivers, but have no other significance.

Table 1. Protected Areas Codes and Explanations.

<u>CODE</u>	<u>EXPLANATION</u>
A	Anadromous Fish Only
B	Resident Fish <u>And</u> Wildlife
C	Anadromous Fish <u>and</u> Resident Fish <u>and</u> Wildlife
D	Anadromous Fish <u>and</u> Resident Fish <u>or</u> Wildlife
F	Resident Fish Only
U	Unprotected
W	Wildlife Only
Z	Already Protected as a Wild and Scenic Area or Wilderness Area

Where the river reach is of critical importance to several types of fish and wildlife, the codes (1) always indicate the presence of the type which qualifies for the most restrictive standard of protection, and (2) usually indicates that more than one type is present. However, in some instances reaches designated 'A' may also contain resident fish or wildlife habitat which itself would be grounds for protected area designation. Detailed information on exactly which species of concern are present at each river reach is contained in the Council's protected area database and is available from the Council on request.

Table 2. Subbasin Names and Corresponding Reach Codes<sup>1</sup>

<u>SUBBASIN NAME</u>	<u>RIVER REACH CODE KEY</u>
BITTERROOT	RRN BEG 17010205
BLACKFOOT	RRN BEG 17010203
BOISE	RRN BET 17050111 AND 17050114
CLARK_FORK	RRN BEG 17010201 OR 17010202 OR BEG 17010204 OR BEG 17010213 OR 17010214
COEUR_D'ALENE	RRN BET 17010301 AND 17010304
COL R BELOW BONN	RRN BEG 17080001 OR 17080003 OR 17080006 OR 17090012
COL R FR BONN TO PRRP	RRN BEG 17070101 OR 17070104 OR 17070105
COL R FR PRRP TO CHJO	RRN BEG 17020005 OR 17020010 OR 17020016
COWLITZ	RRN BEG 17080005
CRAB	RRN BET 17020012 AND 17020015
DESCHUTES	RRN BEG 170703
ELOCHOMAN	RRN BEG 17080003 AND ST WA
ENTIAT	RRN BEG 17020010
FIFTEENMILE	RRN BEG 17070105 AND ST OR
FLATHEAD	RRN BET 17010206 AND 17010212
GRANDE_RONDE	RRN BEG 17060104 OR 17060105 OR 17060106
GRAYS	RRN BEG 17080006
GREAT SALT LAKE	RRN BEG 16020309 AND ST ID
HEADWATER SALMON	RRN BEG 17060201
HOOD	RRN BEG 17070105 AND ST OR
IMNAHA	RRN BEG 17060102
JOHN_DAY	RRN BEG 170702
KALAMA	RRN BEG 17080003 AND ST WA
KLAMATH	RRN BEG 18
KLICKITAT	RRN BEG 17070106
KOOTENAI	RRN BET 17010101 AND 17010105
LAKE_CHELAN	RRN BEG 17020009
LEMHI	RRN BEG 17060204
LEWIS	RRN BEG 17080002
LITTLE SALMON	RRN BEG 17060210
LOCHSA	RRN BEG 17060303
LOWER MAIN SALMON	RRN BEG 17060209
LOWER MID FK SALMON	RRN BEG 17060206
LOW_BEAR	RRN BET 16010201 AND 16010204
MAINSTEM CLEARWATER	RRN BEG 17060306
MALHEUR	RRN BET 17050116 AND 17050119
METHOW	RRN BEG 17020008
MID MAIN SALMON	RRN BEG 17060207

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BONN = BONNEVILLE DAM  
 PRRP = PRIEST RAPIDS DAM  
 CHJO = CHIEF JOSEPH DAM

RRN = RIVER REACH NUMBER  
 BET = BETWEEN  
 BEG = BEGINS WITH

Table 3. (cont.)<sup>1</sup>SUBBASIN NAMERIVER REACH CODE KEY

MID_SNAKE_BOISE	RRN BET 17050101 AND 17050103 OR BEG 17050115
MID_SNAKE_POWDER	RRN BEG 17050201 OR 17050203
NORTH FK CLEARWATER	RRN BEG 17060307 OR 17060308
NORTH_OREGON_COAST	RRN BEG 171002
OKANOGAN_SIMILKAMEEN	RRN BEG 17020006 OR 17020007
OREGON_CLOSED_BASIN	RRN BEG 1712
OWYHEE	RRN BET 17050104 AND 17050110
PAHSIMEROI	RRN BEG 17060202
PALOUSE	RRN BEG 17060108 OR 17060109
PANTHER CR/SALMON	RRN BEG 17060203
PAYETTE	RRN BET 17050120 AND 17050123
PEND_OREILLE	RRN BET 17010214 AND 17010216
PUGET_SOUND	RRN BEG 1711
SANDY	RRN BEG 17080001 AND ST OR
SELWAY	RRN BEG 17060301 OR 17060302
SNAKE_HEADWATER	RRN BEG 17040104 OR 17040105
SNK R FR MOU TO HELL	RRN BEG 17060101 OR 17060103 OR 17060107 OR 17060110
SOUTH FK CLEARWATER	RRN BEG 17060304 OR 17060305
SOUTH FK SALMON	RRN BEG 17060208
SOUTH_OREGON_COAST	RRN BEG 171003
SPOKANE	RRN BET 17010305 AND 17010308 OR BEG 17020001
TUCANNON	RRN BEG 17060107
UMATILLA	RRN BEG 17070103
UPPER_BEAR	RRN BEG 16010102
UPPER_COLUMBIA	RRN BET 17020001 AND 17020005
UPPER MID FK SALMON	RRN BEG 17060205
UPPER_QUINN	RRN BEG 16040201
UPPER_SNAKE 17040220	RRN BET 17040201 AND 17040213 OR BET 17040219 AND
UPPER_SNAKE_CLOSED	RRN BET 17040214 AND 17040218
WALLA_WALLA	RRN BEG 17070102
WASHINGTON_COAST	RRN BEG 171001
WASHOUGAL	RRN BEG 17080001 AND ST WA
WEISER	RRN BEG 17050124
WENATCHEE	RRN BEG 17020011
WHITE_SALMON	RRN BEG 17070105 AND ST WA
WILLAMETTE	RRN BEG 1709
WIND	RRN BEG 17070105 AND ST WA
YAKIMA	RRN BEG 1703

<sup>1</sup>

HELL = HELLS CANYON DAM

Table 4. County Names and Corresponding Subbasins by State.

IDAHO COUNTIES

<u>COUNTY NAME</u>	<u>SUBBASINS</u>	
ADA	BOISE	MID_SNAKE_BOISE
ADAMS	LITTLE_SALMON SNK_R_FR_MOU_TO_HELL	MID_SNAKE_POWDER WEISER
BANNOCK	UPPER_SNAKE	
BEAR LAKE	LOW_BEAR	UPPER_BEAR
BENEWAH	COEUR_D_ALENE SPOKANE	PALOUSE
BINGHAM	UPPER_SNAKE	
BLAINE	BOISE UPPER_SNAKE	HEADWATER_SALMON
BOISE	BOISE	PAYETTE
BONNER	CLARK_FORK KOOTENAI	COEUR_D_ALENE PEND_OREILLE
BONNEVILLE	SNAKE_HEADWATER	UPPER_SNAKE
BOUNDARY	KOOTENAI	
BUTTE	UPPER_SNAKE_CLOSED	
CAMAS	BOISE	UPPER_SNAKE
CANYON	BOISE	MID_SNAKE_BOISE
CARIBOU	LOW_BEAR UPPER_SNAKE	SNAKE_HEADWATER
CASSIA	UPPER_SNAKE	
CLARK	UPPER_SNAKE	UPPER_SNAKE_CLOSED
CLEARWATER	BITTERROOT MAINSTEM_CLEARWATER	LOCHSA NO_FK_CLEARWATER
CUSTER	HEADWATER_SALMON PANTHER_CR/SALMON UPPER_SNAKE_CLOSED	PAHSIMEROI UPPER_MID_FK_SALMON
ELMORE	BOISE UPPER_SNAKE	MID_SNAKE_BOISE
FRANKLIN	LOW_BEAR	
FREMONT	UPPER_SNAKE	

Table 4. Continued.

<u>COUNTY NAME</u>	<u>SUBBASINS</u>	
GEM	BOISE WEISER	PAYETTE
GOODING	UPPER_SNAKE	
IDAHO	BITTERROOT LOCHSA LOWER_MID_FK_SALMON MID_MAIN_SALMON SELWAY SO_FK_CLEARWATER	LITTLE_SALMON LOWER_MAIN_SALMON MAINSTEM_CLEARWATER NO_FK_CLEARWATER SNK_R_FR_MOU_TO_HELL SO_FK_SALMON
JEFFERSON	UPPER_SNAKE	UPPER_SNAKE_CLOSED
JEROME	UPPER_SNAKE	
KOOTENAI	COEUR_D_ALENE SPOKANE	PEND_OREILLE
LATAH	COEUR_D_ALENE PALOUSE	MAINSTEM_CLEARWATER
LEMHI	LEMHI MID_MAIN_SALMON UPPER_SNAKE_CLOSED	LOWER_MID_FK_SALMON PANTHER CR/SALMON
LEWIS	LOWER_MAIN_SALMON	MAINSTEM_CLEARWATER
LINCOLN	UPPER_SNAKE	
MADISON	UPPER_SNAKE	
NEZ PERCE	LOWER_MAIN_SALMON SNK_R_FR_MOU_TO_HELL	MAINSTEM_CLEARWATER
ONEIDA	GREAT_SALT_LAKE UPPER_SNAKE	LOW_BEAR
OWYHEE	MID_SNAKE_BOISE UPPER_SNAKE	OWYHEE
PAYETTE	MID_SNAKE_BOISE	PAYETTE
POWER	UPPER_SNAKE	
SHOSHONE	COEUR_D_ALENE	NO_FK_CLEARWATER
TETON	UPPER_SNAKE	
TWIN FALLS	UPPER_SNAKE	
VALLEY	LOWER_MID_FK_SALMON SO_FK_SALMON	PAYETTE UPPER_MID_FK_SALMON
WASHINGTON	MID_SNAKE_BOISE PAYETTE	MID_SNAKE_POWDER WEISER

Table 4. Continued.

<u>COUNTY NAME</u>	<u>MONTANA COUNTIES</u>	
	<u>SUBBASINS</u>	
BEAVERHEAD	BITTERROOT	
DEER LODGE	CLARK_FORK	
FLATHEAD	CLARK_FORK KOOTENAI	FLATHEAD
GRANITE	CLARK_FORK	
LAKE	CLARK_FORK	FLATHEAD
LEWIS & CLARK	BLACKFOOT FLATHEAD	CLARK_FORK
LINCOLN	CLARK_FORK KOOTENAI	FLATHEAD
MINERAL	BITTERROOT	CLARK_FORK
MISSOULA	BITTERROOT CLARK_FORK	BLACKFOOT FLATHEAD
POWELL	BLACKFOOT FLATHEAD	CLARK_FORK
RAVALLI	BITTERROOT	
SANDERS	CLARK_FORK	FLATHEAD
SILVER BOW	CLARK_FORK	

Table 4. Continued.

<u>OREGON COUNTIES</u>		
<u>COUNTY NAME</u>	<u>SUBBASINS</u>	
BAKER	IMNAHA MID_SNAKE_POWDER	MALHEUR
BENTON	NORTH_OREGON_COAST	WILLAMETTE
CLACKAMAS	NORTH_OREGON_COAST WILLAMETTE	SANDY
CLATSOP	COL_R_BELOW_BON	NORTH_OREGON_COAST
COLUMBIA	COL_R_BELOW_BON WILLAMETTE	NORTH_OREGON_COAST
COOS	SOUTH_OREGON_COAST	
CROOK	DESCHUTES	OREGON_CLOSED_BASIN
CURRY	KLAMATH	SOUTH_OREGON_COAST
DESCHUTES	DESCHUTES	OREGON_CLOSED_BASIN
DOUGLAS	NORTH_OREGON_COAST WILLAMETTE	SOUTH_OREGON_COAST
GILLIAM	COL_R_FR_BON_TO_PRRP	JOHN_DAY
GRANT	DESCHUTES MALHEUR	JOHN_DAY OREGON_CLOSED_BASIN
HARNEY	JOHN_DAY OREGON_CLOSED_BASIN	MALHEUR
HOOD RIVER	COL_R_FR_BON_TO_PRRP HOOD	DESCHUTES
JACKSON	KLAMATH	SOUTH_OREGON_COAST
JEFFERSON	DESCHUTES	JOHN_DAY
JOSEPHINE	SOUTH_OREGON_COAST	
KLAMATH	DESCHUTES KLAMATH	JOHN_DAY OREGON_CLOSED_BASIN
LAKE	DESCHUTES OREGON_CLOSED_BASIN	KLAMATH
LANE	NORTH_OREGON_COAST WILLAMETTE	SOUTH_OREGON_COAST
LINCOLN	NORTH_OREGON_COAST	
LINN	WILLAMETTE	

Table 4. Continued.

<u>COUNTY NAME</u>	<u>SUBBASINS</u>	
MALHEUR	MALHEUR MID_SNAKE_POWDER OWYHEE	MID-SNAKE_BOISE OREGON_CLOSED_BASIN
MARION	WILLAMETTE	
MORROW	COL_R_FR_BON_TO_PRRP UMATILLA	JOHN_DAY
MULTNOMAH	COL_R_BELOW_BON WILLAMETTE	SANDY
POLK	NORTH_OREGON_COAST	WILLAMETTE
SHERMAN	COL_R_FR_BON_TO_PRRP JOHN_DAY	DESCHUTES
TILLAMOOK	NORTH_OREGON_COAST	WILLAMETTE
UMATILLA	COL_R_FR_BON_TO_PRRP JOHN_DAY WALLA_WALLA	GRANDE_RONDE UMATILLA
UNION	GRANDE_RONDE	MID_SNAKE_POWDER
WALLOWA	GRANDE_RONDE MID_SNAKE_POWDER	IMNAHA SNK_R_FR_MOU_TO_HELL
WASCO	COL_R_FR_BON_TO_PRRP FIFTEENMILE	DESCHUTES JOHN_DAY
WASHINGTON	NORTH_OREGON_COAST	WILLAMETTE
WHEELER	JOHN_DAY	
YAMHILL	WILLAMETTE	

Table 4. Continued.

<u>COUNTY NAME</u>	<u>WASHINGTON COUNTIES</u>	
	<u>SUBBASINS</u>	
ADAMS	CRAB	PALOUSE
ASOTIN	GRANDE RONDE	SNK_R_FR_MOU_TO_HELL
BENTON	COL_R_FR_BON_TO_PRRP SNK_R_FR_MOU_TO_HELL	COL_R_FR_PRS_TO_CHJO YAKIMA
CHELAN	COL_R_FR_PRS_TO_CHJO LAKE_CHELAN UPPER_COLUMBIA	ENTIAT METHOW WENATCHEE
CLALLAM	PUGET_SOUND	WASHINGTON_COAST
CLARK	COL_R_BELOW_BON LEWIS	KALAMA WASHOUGAL
COLUMBIA	GRANDE RONDE TUCANNON	SNK_R_FR_MOU_TO_HELL WALLA_WALLA
COWLITZ	COL_R_BELOW_BON ELOCHOMAN LEWIS	COWLITZ KALAMA
DOUGLAS	COL_R_FR_BON_TO_PRRP CRAB	COL_R_FR_PRS_TO_CHJO UPPER_COLUMBIA
FERRY	SPOKANE	UPPER_COLUMBIA
FRANKLIN	COL_R_FR_BON_TO_PRRP	SNK_R_FR_MOU_TO_HELL
GARFIELD	GRANDE RONDE TUCANNON	SNK_R_FR_MOU_TO_HELL
GRANT	COL_R_FR_PRS_TO_CHJO UPPER_COLUMBIA	CRAB
GRAYS HARBOR	PUGET_SOUND	WASHINGTON_COAST
ISLAND	PUGET_SOUND	
JEFFERSON	PUGET_SOUND	WASHINGTON_COAST
KING	PUGET_SOUND	YAKIMA
KITSAP	PUGET_SOUND	
KITTITAS	COL_R_FR_PRS_TO_CHJO	YAKIMA
KLICKITAT	COL_R_FR_BON_TO_PRRP WHITE_SALMON	KLICKITAT YAKIMA
LEWIS	COWLITZ WASHINGTON_COAST	PUGET_SOUND YAKIMA

Table 4. Continued.

<u>COUNTY NAME</u>	<u>SUBBASINS</u>	
LINCOLN	CRAB UPPER_COLUMBIA	SPOKANE
MASON	PUGET_SOUND	WASHINGTON_COAST
OKANOGAN	COL_R_FR_BON_TO_PRRP OKANOGAN_SIMILKAMEEN UPPER_COLUMBIA	METHOW PUGET_SOUND
PACIFIC	SOL_R_BELOW_BON WASHINGTON_COAST	GRAYS
PEND OREILLE	PEND_OREILLE UPPER_COLUMBIA	SPOKANE
PIERCE	PUGET_SOUND	
SKAGIT	PUGET_SOUND	
SKAMANIA	COL_R_BELOW_BON COWLITZ WASHOUGAL WIND	COL_R_FR_BON_TO_PRRP LEWIS WHITE_SALMON
SNOHOMISH	PUGET_SOUND	
SPOKANE	PALOUSE	SPOKANE
STEVENS	SPOKANE	UPPER_COLUMBIA
THURSTON	PUGET_SOUND	WASHINGTON_COAST
WAHKIAKUM	COL_R_BELOW_BON GRAYS	ELOCHOMAN
WALLA WALLA	COL_R_FR_BON_TO_PRRP WALLA WALLA	SNK_R_FR_MOU_TO_HELL
WHATCOM	PUGET_SOUND	
WHITMAN	PALOUSE SPOKANE	SNK_R_FR_MOU_TO_HELL
YAKIMA	COL_R_FR_PRS_TO_CHJO KLICKITAT	COWLITZ YAKIMA