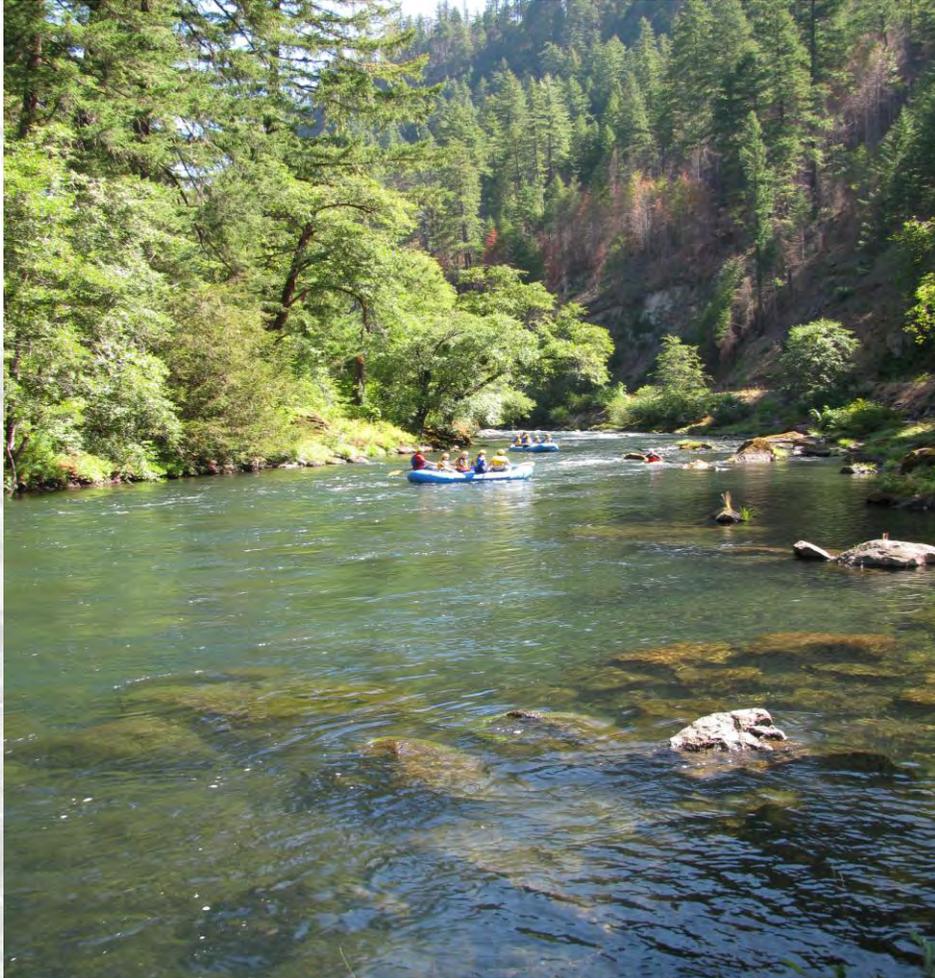


# **2009 Monitoring Report**

## **North Umpqua Wild & Scenic River**



*Cooperative Effort Between*

**Bureau of Land Management, Roseburg District  
&  
Umpqua National Forest**

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## I. BACKGROUND INFORMATION

- A. Designation of the North Umpqua River** - The North Umpqua River was designated a recreational river in the National Wild and Scenic River System in the Omnibus Oregon Wild and Scenic River Act of 1988 (Omnibus Act).
- B. North Umpqua River Management Plan** - In 1992, The U.S. Forest Service, Bureau of Land Management, and Oregon Parks and Recreation Department cooperated with numerous local, state, and federal agencies to complete the North Umpqua River Management Plan. The plan details specific management direction and resource monitoring for each section of the river. The plan notes *fish, water, recreation, scenery, and cultural resources* as Outstandingly Remarkable Values (ORV's).
- C. Boating Management Area** - The boundaries of the River Use Report include all segments of the North Umpqua River between Soda Springs Dam and Swiftwater Recreation Area. Management of the lower section of the North Umpqua River (between mile markers 22 and 30 of Highway 138, approximately 8.4 river miles) is the responsibility of the Roseburg BLM and management of the upper section (area between mile marker 30 and Soda Springs Dam, approximately 25.4 river miles) is the responsibility of the USFS, North Umpqua Ranger District (NURD). The two agencies work closely to jointly manage the North Umpqua Wild and Scenic River; the USFS administers all special use permits for commercial fishing and whitewater guides for the entire 33.8 miles.
- D. Management Guidelines** - Commercial rafters, fishermen, BLM, and USFS personnel have discussed user conflicts that occur on the North Umpqua River. The various user groups agreed that they could reduce the conflicts by using the river at different times. Fishermen noted that they used the Steamboat area more extensively than any other Wild and Scenic section of the river. Boaters noted that they did not generally use the river during the early morning hours and late evening hours. As a result, sections of the river have been placed under voluntary boater restrictions for noncommercial boaters and mandatory restrictions for commercial boaters during certain hours of the day and certain seasons of the year (North Umpqua River Management Plan, 1992). Since the implementation of these guidelines, the number of conflicts between boaters and fishermen has been reduced. The guidelines for each segment are as follows:

### Soda Springs to Gravel Bin

Open to boating year-round

Boating closure - 6 p.m. to 10 a.m. from 7/1 through 10/31

### Gravel Bin to Bogus Creek

Boating closure - 6 p.m. to 10 a.m. from 7/1 through 7/14

Boating closure - 7/15 through 10/31

Bogus Creek to Susan Creek

Open to boating year-around

Boating closure - 6 p.m. to 10 a.m. from 7/1 through 10/31

Susan Creek to Rock Creek

Open to boating year-round

Boating closure - 6 p.m. to 10 a.m. from 7/1 through 10/31

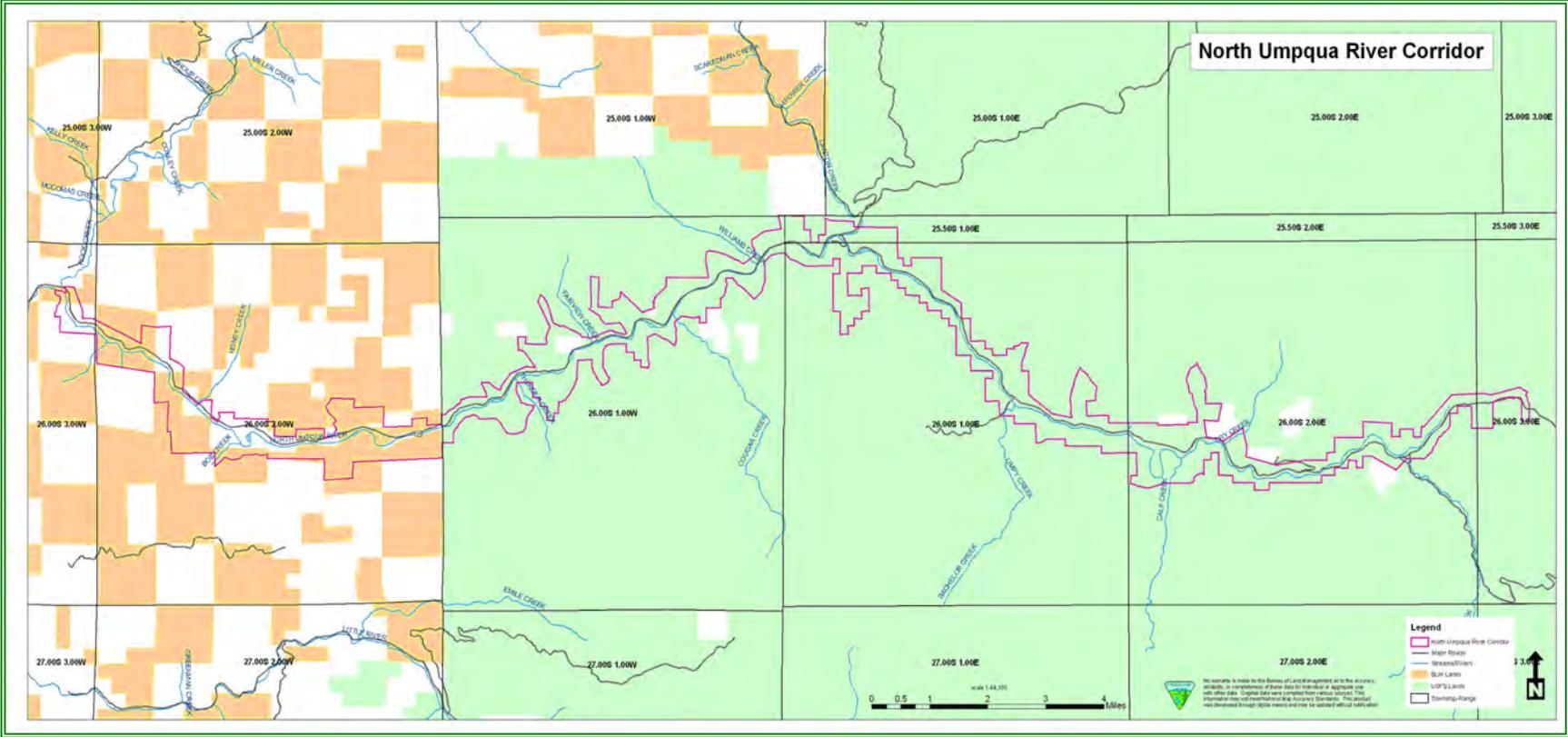
Eight commercial outfitters have a Special Use permit which authorizes them to float the river between May 20<sup>th</sup> and September 15<sup>th</sup>. Stipulations for commercial users exist: commercial trips are not allowed to use Apple Creek campground as a lunch stop; they are restricted from launching from the undeveloped campsites at Eagle Rock campground prior to July 15<sup>th</sup>; and running trips between September 15<sup>th</sup> thru December 31<sup>st</sup> to protect spawning fish and their habitat. Noncommercial users (not for profit) are not required to obtain permits to float the river.

**E. Methods of collecting information** - In the winter of 1991, the Roseburg District BLM funded a river manager position to manage and document use of the North Umpqua River. This position was lost for the 2003 season with the resignation of the full-time river manager. In 2004, the position was filled with a seasonal employee along with a four year term position in July of 2006. During the summers of 1993-2006, the BLM also funded a seasonal employee with the USFS to assist in collecting river use information. In 2009, two FS and two BLM employees were in charge of the river monitoring.

**F. Objectives of river monitoring**

1. Identify types of recreation use occurring on the river.
2. Document visitor use statistics on the river, including commercial and noncommercial use.
3. Provide a BLM/USFS presence on the river to contact, inform, and educate the public.
4. Coordinate river management issues between the BLM and the USFS.
5. Identify and mitigate safety hazards and minimize user conflicts.
6. Promote preservation of the five ORVs identified in the river management plan.
7. Provide recreational users a quality recreation experience.

Map 1 NORTH UMPQUA WILD AND SCENIC RIVER CORRIDOR



Legend

- North Umpqua River Corridor
- Major Roads
- Streams/Rivers
- BLM Lands
- USFS Lands
- Township-Range

## II. METHODOLOGY AND RIVER-USE STATISTICS

### A. Observed Boating Use in 2009

The use recorded by the USFS and BLM monitors is referred to as the “observed use”. The documented observed use indicates that non-commercial use exceeded commercial use in 2009 (Table 1 & Graph 1). Commercial use accounted for 33% of the use observed and non-commercial use accounted for 67% of the use observed.

Note: This compares to 36% commercial observed use and 64% non-commercial observed use in 2008.

1. Non-commercial Observed Use – In 2009, river monitors observed 2,813 non-commercial boaters. This figure includes the commercial guides.

Non-commercial boaters observed by USFS and BLM monitors.....2,424

Guides observed by USFS and BLM monitors.....389

2. Commercial Observed Use - This also includes data collected by the USFS and BLM monitors.

Commercial boaters observed by monitors.....1,401

Note: River monitors were present on the river 93 out of a possible 119 days or 78% of the time during the 2009 monitoring season.

**Table 1 ANNUAL COMPARISON OF OBSERVED BOATING USE**

| <b>Year</b> | <b>Noncommercial Observed</b> | <b>Commercial Observed</b> | <b>Total Observed Use</b> |
|-------------|-------------------------------|----------------------------|---------------------------|
| <b>2000</b> | 3,716                         | 1,748                      | 5,464                     |
| <b>2001</b> | 3,071                         | 1,532                      | 4,603                     |
| <b>2002</b> | 2,372                         | 1,679                      | 4,051                     |
| <b>2003</b> | 3,103                         | 2,047                      | 5,150                     |
| <b>2004</b> | 2,976                         | 1,402                      | 4,378                     |
| <b>2005</b> | 2,823                         | 1,422                      | 4,245                     |
| <b>2006</b> | 3,009                         | 1,873                      | 4,882                     |
| <b>2007</b> | 2,208                         | 1,256                      | 3,464                     |
| <b>2008</b> | 2,458                         | 1,367                      | 3,825                     |
| <b>2009</b> | 2,889                         | 1,401                      | 4,290                     |

**Graph 1**

**Annual Comparison of Observed Boating Use**

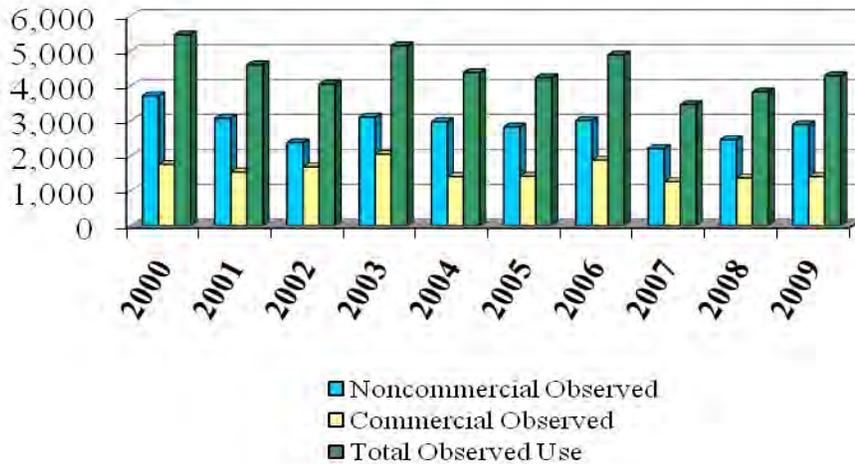


Table 2 shows the breakdown of observed noncommercial and commercial use by day of the week during the monitoring season (May 20 – September 15). More people were observed on Saturday’s than any other day. Observed commercial use exceeded non-commercial use significantly on Tuesday and Thursday. This is partially due to the fact that Sun Country Tours predominately runs large trips on Tuesday’s and Thursday’s.

**Table 2 2009 DAILY COMPARISON OF BOATERS OBSERVED**

| Day          | Commercial | Noncommercial      | Total |
|--------------|------------|--------------------|-------|
| Monday       | 164        | 162                | 326   |
| Tuesday      | 227        | 118                | 345   |
| Wednesday    | 106        | 147                | 253   |
| Thursday     | 252        | 134                | 386   |
| Friday       | 129        | 309                | 438   |
| Saturday     | 363        | 995                | 1,358 |
| Sunday       | 160        | 635                | 795   |
| <b>Total</b> | 1,401      | 2,889 <sup>a</sup> | 4,290 |

<sup>a</sup>Guides (389) are counted as noncommercial users and are not factored into daily observations.



## **B. Reported Boating Use**

Reported use is the use that commercial outfitters reported to the Forest Service at the end of the use season. There is a difference between the number of visitors reported by commercial outfitters and the number observed in the field by the USFS and BLM monitors. Reasons for this discrepancy are:

- Trees and shrubs along the river reduced the opportunity for observing boaters; therefore, a few commercial boaters were never seen and a few commercial boaters may have been mistaken for noncommercial boaters.
- Saturday continues to be the busiest day of the week on the river as the most commercial trips were reported for this day. Saturday was followed by Sunday and Thursday as the busiest days of the week as reported by commercial outfitters.
- River monitors were more likely to be working the Thursday - Sunday timeframe and less likely during the middle of the week, thereby creating a discrepancy between reported and observed use.

Table 3 is a breakdown of observed use for each outfitter by month compared to the actual use reported by each commercial outfitter.

**Table 3 OBSERVED AND REPORTED COMMERCIAL USE**  
Data is from May 20<sup>th</sup> to September 15<sup>th</sup>

| OUTFITTERS                   | People Observed by BLM/USFS <sup>1</sup> |            |            |            |           |             | People Reported by Commercial Outfitters |
|------------------------------|--|------------|------------|------------|-----------|-------------|--|
|                              | May                                      | June       | July       | Aug        | Sept      | Total       |  |
| * Destination Wilderness     | 0  | 26         | 40         | 0          | 0         | <b>66</b>   | <b>72</b>                                |
| *Adventure River Center      | 0  | 17         | 4          | 0          | 0         | <b>21</b>   | <b>26</b>                                |
| North Umpqua Outfitters      | 15                                       | 84         | 143        | 103        | 15        | <b>360</b>  | <b>425</b>                               |
| Orange Torpedo Tours         | 0  | 17         | 24         | 25         | 0         | <b>66</b>   | <b>73</b>                                |
| Oregon River Experiences     | 0  | 29         | 39         | 16         | 0         | <b>84</b>   | <b>99</b>                                |
| Oregon River Sports          | 0  | 0          | 0          | 0          | 0         | <b>0</b>    | <b>0</b>                                 |
| Oregon Whitewater Adventures | 6  | 63         | 134        | 71         | 0         | <b>274</b>  | <b>301</b>                               |
| Ouzel Outfitters             | 64                                       | 62         | 101        | 65         | 0         | <b>292</b>  | <b>294</b>                               |
| Sun Country Tours            | 0  | 105        | 149        | 48         | 0         | <b>302</b>  | <b>416</b>                               |
| <b>Total</b>                 | <b>85</b>                                | <b>403</b> | <b>634</b> | <b>328</b> | <b>15</b> | <b>1465</b> | <b>1706</b>                              |

<sup>1</sup>Figures exclude the observed guides (389) that used the river.

\*There is one owner for both Destination Wilderness and Adventure River Center.

**C. Adjusted Boating Use**

Adjusted boating use is a method used to estimate total boating use based on what is seen and reported. To determine adjusted boating use, observed commercial use is first compared to reported commercial use. Once this ratio is determined, the same ratio is used to determine the non-commercial adjusted use based on observation. The following equation illustrates this relationship.

$$\frac{\text{Commercial observed}}{\text{Commercial reported}} = \frac{\text{Non-commercial observed}}{\text{Non-commercial adjusted}}$$

$$\frac{1,401}{1,706} = \frac{2,889}{x}$$

$$x = 3,518$$

The difference between commercial observed and commercial reported is 18%.

**Total Adjusted Use** is now calculated by summing the non-commercial adjusted use with the commercial reported use as follows:

Non-commercial adjusted use + commercial reported use = total use

$$3,518 + 1,706 = 5,224$$

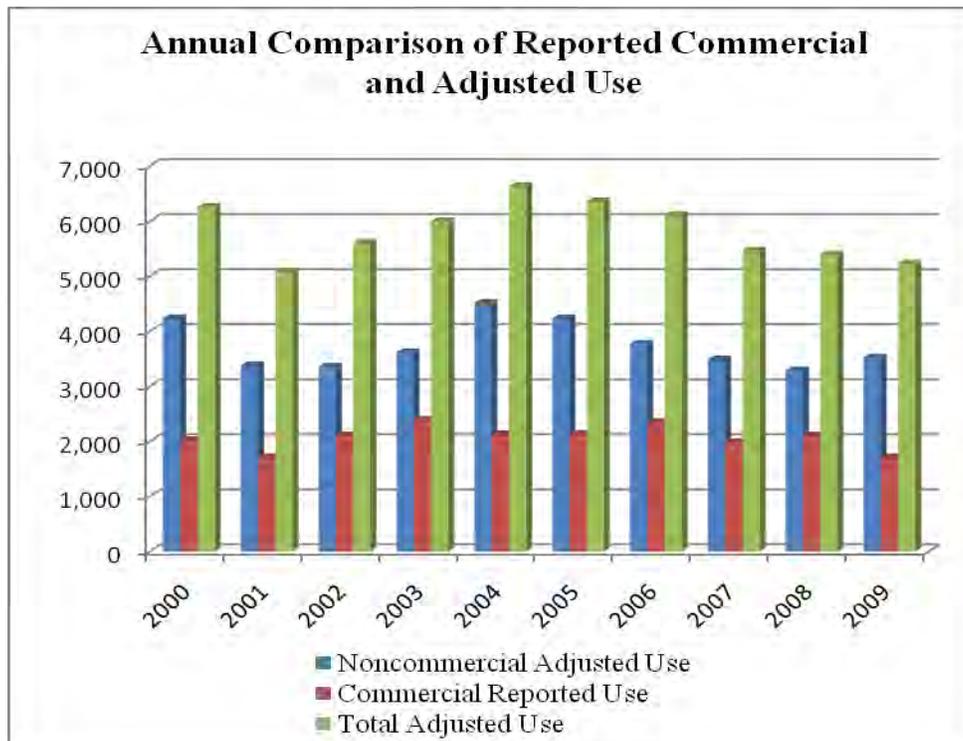
Table 4 and Graph 2 summarize these figures and compare them with historical levels.

**Table 4**

**ANNUAL COMPARISON OF REPORTED COMMERCIAL AND ADJUSTED USE**

|             | <b>Noncommercial Adjusted Use</b> | <b>Commercial Reported Use</b> | <b>Total Adjusted Use</b> |
|-------------|-----------------------------------|--------------------------------|---------------------------|
| <b>2000</b> | 4,236                             | 2,019                          | 6,255                     |
| <b>2001</b> | 3,378                             | 1,704                          | 5,082                     |
| <b>2002</b> | 3,354                             | 2,102                          | 5,601                     |
| <b>2003</b> | 3,614                             | 2,384                          | 5,998                     |
| <b>2004</b> | 4,511                             | 2,125                          | 6,636                     |
| <b>2005</b> | 4,229                             | 2,130                          | 6,359                     |
| <b>2006</b> | 3,766                             | 2,344                          | 6,110                     |
| <b>2007</b> | 3,484                             | 1,982                          | 5,466                     |
| <b>2008</b> | 3,288                             | 2,104                          | 5,392                     |
| <b>2009</b> | 3,518                             | 1,706                          | 5,224                     |

**Graph 2**



**D. Craft and Boat Launch Use**

1. Data was queried to show the types of watercrafts used to float the river. During the 2009 boating season, rafts outnumbered other crafts on the river (tables 5 & 6).
2. The data was queried to show a breakdown of the put-in and take-out locations. (see table 7). Boulder Flat was the most heavily used put-in location (2,533 user days) and Gravel Bin was the most heavily used take-out location (3,045 user days). Every year starting on July 15<sup>th</sup>, use between Gravel Bin and Bogus Creek is restricted for commercial outfitters and voluntary for non-commercial users to help prevent conflict between boaters and anglers (for more information, see the Wild and Scenic River Management Plan, pg. 3 under Management Guidelines).
3. In late July 2009, the Williams Creek fire broke out, affecting river use by both boaters and fishermen. The fire line extended from the steep forested backcountry down to route 138, forcing a road closure for a ten mile stretch from Mileposts 29 – 39. Route 138 is the main road access on the North Umpqua River and the partial closure cut the 33 mile fly fishing section of the river in two. Highway 138 remained totally closed July 28<sup>th</sup> thru August 7<sup>th</sup>. This made the main boat launch, Boulder Flat, inaccessible from the west. Although Highway 138 was reopened on the 7<sup>th</sup> of August, the Bogus Creek raft launch and parking turnouts along the ten mile stretch of highway was prohibited until August 17<sup>th</sup>. Three area campgrounds and a portion of the North Umpqua Trail were also closed.

**Table 5 COMPARISON OF WATERCRAFTS OBSERVED PER MONTH**

| <b>Month</b>     | <b>Rafts</b> | <b>Hard Kayaks</b> | <b>Inflatable Kayaks</b> | <b>Canoes</b> |
|------------------|--------------|--------------------|--------------------------|---------------|
| <b>May</b>       | 105          | 44                 | 27                       | 1             |
| <b>June</b>      | 281          | 118                | 103                      | 5             |
| <b>July</b>      | 269          | 129                | 250                      | 25            |
| <b>August</b>    | 114          | 70                 | 125                      | 2             |
| <b>September</b> | 12           | 19                 | 26                       | 2             |
| <b>Total</b>     | 781          | 380                | 531                      | 35            |

**Table 6 ANNUAL COMPARISON OF OBSERVED WATERCRAFT USE**

| <b>Year</b> | <b>Rafts</b> | <b>Hard Kayaks</b> | <b>Inflatable Kayaks</b> | <b>Canoes</b> | <b>Total Crafts</b> |
|-------------|--------------|--------------------|--------------------------|---------------|---------------------|
| <b>2000</b> | 719          | 670                | 692                      | 107           | 2,188               |
| <b>2001</b> | 552          | 569                | 806                      | 34            | 1,961               |
| <b>2002</b> | 631          | 475                | 600                      | 77            | 1,783               |
| <b>2003</b> | 880          | 517                | 940                      | 93            | 2,430               |
| <b>2004</b> | 657          | 525                | 846                      | 36            | 2,064               |
| <b>2005</b> | 661          | 357                | 693                      | 56            | 1,767               |
| <b>2006</b> | 901          | 364                | 608                      | 32            | 1,905               |
| <b>2007</b> | 593          | 307                | 417                      | 19            | 1,336               |
| <b>2008</b> | 659          | 360                | 549                      | 7             | 1,575               |
| <b>2009</b> | 781          | 380                | 531                      | 35            | 1,727               |

**Table 7**

**LAUNCH SITE UTILIZATION  
Observed, Commercial and Non-Commercial**

| Site                      | Put-In           |              | Take-Out         |              |
|---------------------------|------------------|--------------|------------------|--------------|
|                           | Recreation Users | Crafts       | Recreation Users | Crafts       |
| Soda Springs              | 2                | 2            | 0                | 0            |
| Boulder Flat Boat Launch  | 2,533            | 979          | 0                | 0            |
| Eagle Rock Campground     | 10               | 5            | 4                | 1            |
| Marsters Bridge           | 103              | 79           | 2                | 2            |
| Dry Creek                 | 2                | 2            | 0                | 0            |
| Horseshoe Bend            | 849              | 439          | 350              | 195          |
| Apple - Panther Trailhead | 4                | 3            | 34               | 24           |
| Island                    | 8                | 7            | 10               | 6            |
| Gravel Bin                | 165              | 71           | 3,045            | 1255         |
| Wright Creek              | 0                | 0            | 0                | 0            |
| Bogus Creek               | 201              | 130          | 78               | 39           |
| Susan Creek               | 24               | 10           | 337              | 184          |
| Baker Wayside             | 0                | 0            | 0                | 0            |
| Cable Crossing            | 0                | 0            | 41               | 21           |
| <b>Total</b>              | <b>3,901</b>     | <b>1,727</b> | <b>3,901</b>     | <b>1,727</b> |

Figures exclude the observed guides (389) that used the river.



**E. 2009 BOATING SUMMARY**

A. Non-Commercial Use – 67 % of all use

- 1. Visual counts observed by BLM/USFS employees.....2,889
- 2. Number of guides observed by BLM/USFS.....389
- 3. Number missed (factored using 18% of users missed).....629
- 4. Adjusted noncommercial use.....3,907

B. Commercial Use – 33% of all use (9 permitted rafting guides)

- 1. Visual counts observed by BLM/USFS employees.....1,401
- 2. Reported Counts by Outfitter/Guides.....1,706

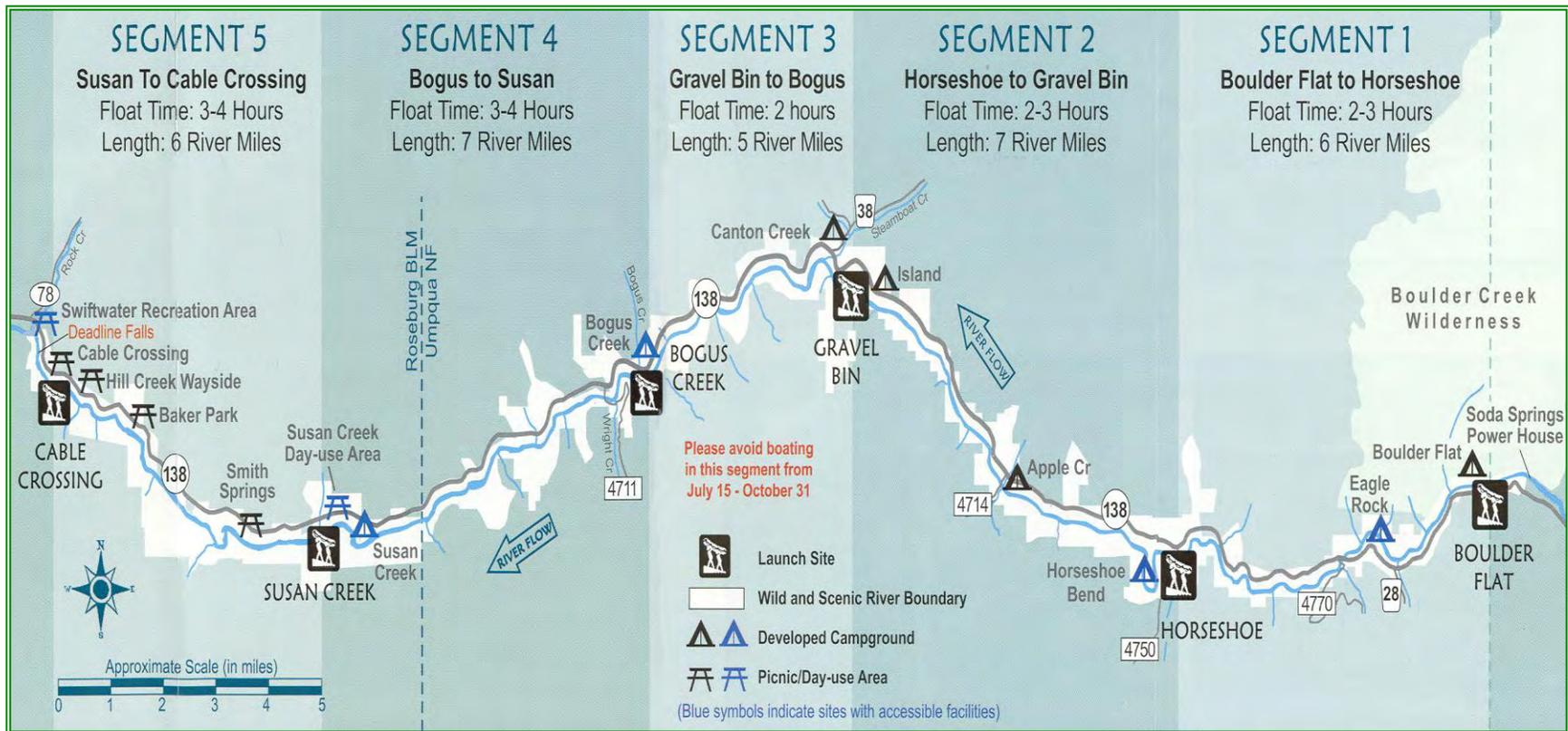
C. Total Adjusted Use- Commercial and Non-Commercial.....5,224

D. Observed Watercrafts

- 1. Rafts.....781
- 2. Hard Kayaks.....380
- 3. Inflatable Kayaks.....531
- 4. Canoes.....35



Map 2 NORTH UMPQUA WILD AND SCENIC RIVER RAFTING SEGMENTS



Map from: North Umpqua Wild and Scenic River Users Guide

**F. Observed Fishing Use**

Fishing guides were observed on the river twenty seven times during the 2009 season. These were drive by observations, with no contact being made.

**G. Congestion / Crowding at Parking Areas and Launch Sites**

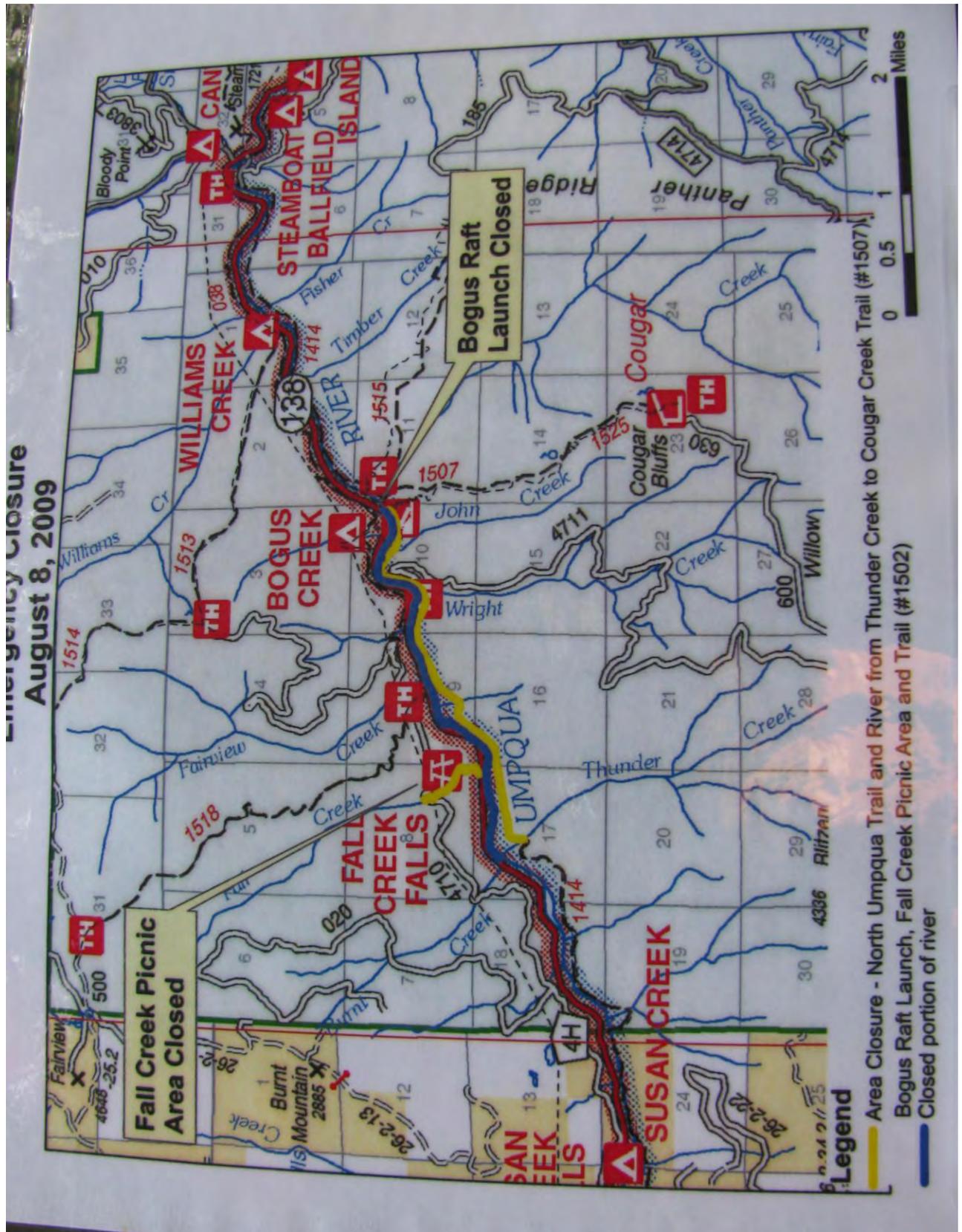
When parking capacity was exceeded, vehicles parked in the grass, campsites or blocked a portion of the roadway.

**Table 8 NUMBER OF OCCASIONS PARKING CAPACITY EXCEEDED**

| Horseshoe Bend - Max. 5 Cars |                             | Gravel Bin- Max. 30 Cars |                             | *Boulder Flat - Max. 6 Cars |                             |
|------------------------------|-----------------------------|--------------------------|-----------------------------|-----------------------------|-----------------------------|
| Date                         | Vehicles Exceeding Capacity | Date                     | Vehicles Exceeding Capacity | Date                        | Vehicles Exceeding Capacity |
| 6/27                         | 7                           |                          |                             | 6/27                        | 6                           |
| 6/28                         | 4                           |                          |                             | 7/25                        | 1                           |
| 7/18                         | 3                           |                          |                             |                             |                             |
| 7/19                         | 5                           |                          |                             |                             |                             |
| 7/25                         | 3                           |                          |                             |                             |                             |
| 7/26                         | 3                           |                          |                             |                             |                             |
| 8/30                         | 2                           |                          |                             |                             |                             |



*Gravel Bin boat launch during the Williams Creek fire*



Emergency Closure Notice of the North Umpqua River due to the Williams Creek Fire

Table 9

## COMMENTS, HAZARDS AND VIOLATIONS

|   | <b>Issue</b>  | <b>Violation</b> | <b>Immediate Action</b>   |
|---|---|------------------|---|
| <b><i>Compliments</i></b>                 | - Compliments on the Boulder Flat raft launch improvements.   | N/A              | N/A   |
|   | - Many compliments throughout the summer in regards to the raft launch info boards and the river user guides. Very helpful to the boating public.                             | N/A              | N/A   |
|   | - Compliments on the help of the river monitors in the posting of weather & water flows and distribution of river guides.   | N/A              | N/A   |
|   | - Compliments on the monitors for assistance at Boulder Flat with traffic and expediting launching procedures.  | N/A              | N/A   |
|   | - Compliments on the posting of photo showing the log hazard in Pinball rapid.  | N/A              | N/A   |
| <b><i>Logs in the River</i></b>           | -Log partially blocking channel at Apple bridge observed 7/9  | N/A              | Log reportedly removed by NUO on 7/11 after authorization from USFS   |
| <b><i>Fishermen /Rafters Conflict</i></b> | -7/18 fisherman at Marsters wading & fishing in the middle of the river, making it difficult for rafters to avoid coming out of the rapid.                                    | N/A              | N/A   |
| <b><i>Parking Conflicts</i></b>           | - On two occasions, parking capacity was exceeded at Gravel Bin boat launch. Cars were not parked "head-in" reducing parking space.   | N/A              | River monitors directed parking. Recommendation for 2010 to post signage.                                   |
| <b><i>Over 20 persons in a group</i></b>  | - When group size exceeded twenty persons, commercial boaters either checked with the USFS prior to the trip or were advised to space out at the put-in sites by the monitor. | N/A              | Group size approved by Forest Service or river monitor. If not, group was advised to spread themselves out. |
| <b><i>Put-in/Take-out</i></b>             | -Complaints from boaters at Horseshoe Bend launch site that campers are speeding through on the way to the campground.  | N/A              | Recommendation for 2010 to add a speed bump or pedestrian walkway sign.                                     |
|   | -Cars were parking in all spots at Boulder Flat during the time that "staging area" signs were being relocated.   | N/A              | No action taken   |
| <b><i>Illegal Guiding</i></b>             | -Member of public suspected to be guiding a raft trip(s).   | N/A              | Monitors relayed information to supervisor. Determined no violation had occurred.                           |

### III. OUTSTANDING REMARKABLE VALUES

The North Umpqua River Management Plan notes that there are several components that make the North Umpqua Wild and Scenic River the wonder that it is. These components are Outstandingly Remarkable Values (ORV's). The plan recognizes fish, water quality, recreation, scenery and cultural resources as the ORV's within the North Umpqua Wild and Scenic Corridor. The plan also emphasizes the importance of protecting these resources through monitoring programs.

The monitoring being done for recreation is addressed in the first section of this report. The following information documents monitoring for fisheries, water quality, scenic value, and cultural resources.



*Paddling toward Old Man & Old Woman Rock Formation*

**A. Fisheries**

Table 10 shows annual fish counts taken at the Winchester Dam Counting Station by Oregon Department of Fish and Wildlife (ODFW).

**Table 10** **ANNUAL FISH COUNTS**

| <b>Year</b> | <b>Fall Chinook</b> | <b>Spring Chinook</b> | <b>Coho Salmon</b> | <b>Sea Run Cutthroat</b> | <b>**Winter Steelhead</b> | <b>Summer Steelhead</b> |
|-------------|---------------------|-----------------------|--------------------|--------------------------|---------------------------|-------------------------|
| <b>1992</b> | 133                 | 5,006                 | 6,404              | 10                       | 5,263                     | 3,776                   |
| <b>1993</b> | 87                  | 5,928                 | 6,829              | 0                        | 4,366                     | 5,414                   |
| <b>1994</b> | 119                 | 5,305                 | 3,427              | 29                       | 4,088                     | 4,710                   |
| <b>1995</b> | 223                 | 9,816                 | 3,491              | 1                        | 5,719                     | 6,402                   |
| <b>1996</b> | 217                 | 6,536                 | 4,777              | 79                       | 4,895                     | 7,333                   |
| <b>1997</b> | 118                 | *5,769                | 7,346              | 81                       | 5,775                     | *8,009                  |
| <b>1998</b> | 52                  | 6,959                 | *3,606             | *91                      | 5,107                     | 9,139                   |
| <b>1999</b> | 31                  | 7,375                 | 7,367              | 159                      | 6,336                     | 5,390                   |
| <b>2000</b> | 202                 | 12,635                | 5,643              | 96                       | 9,563                     | 10,087                  |
| <b>2001</b> | 247                 | 20,694                | 15,861             | 93                       | 11,086                    | 11,331                  |
| <b>2002</b> | 154                 | 24,202                | 20,468             | 110                      | 9,325                     | 9,175                   |
| <b>2003</b> | 174                 | 20,156                | 13,809             | 34                       | 14,507                    | 7,997                   |
| <b>2004</b> | 129                 | 15,433                | 16,160             | 62                       | 7,547                     | 9,157                   |
| <b>2005</b> | 108                 | 9,013                 | 13,398             | 62                       | 7,419                     | 6,987                   |
| <b>2006</b> | 76                  | *6,081                | *11,250            | *81                      | 9,891                     | *6,989                  |
| <b>2007</b> | 163                 | 6,634                 | 4,680              | 93                       | 9,511                     | 4,552                   |
| <b>2008</b> | 171                 | 10,328                | 4,274              | 178                      | 7,831                     | 6,674                   |
| <b>2009</b> | 200                 | 14,261                | 8,907              | 102                      |                           | 4,993                   |

\* Data is incomplete due to closure of fish counting station.

\*\*Winter Steelhead counts are taken from December 1<sup>st</sup> – April 30<sup>th</sup> the following year

Spring Chinook counts are through October 31<sup>st</sup>.

Sea Run Cutthroat, Coho Salmon, Summer Steelhead and Fall Chinook counts are through December 31<sup>st</sup>.



*Deadline Falls*



*Fly Fisherman at Susan Creek*

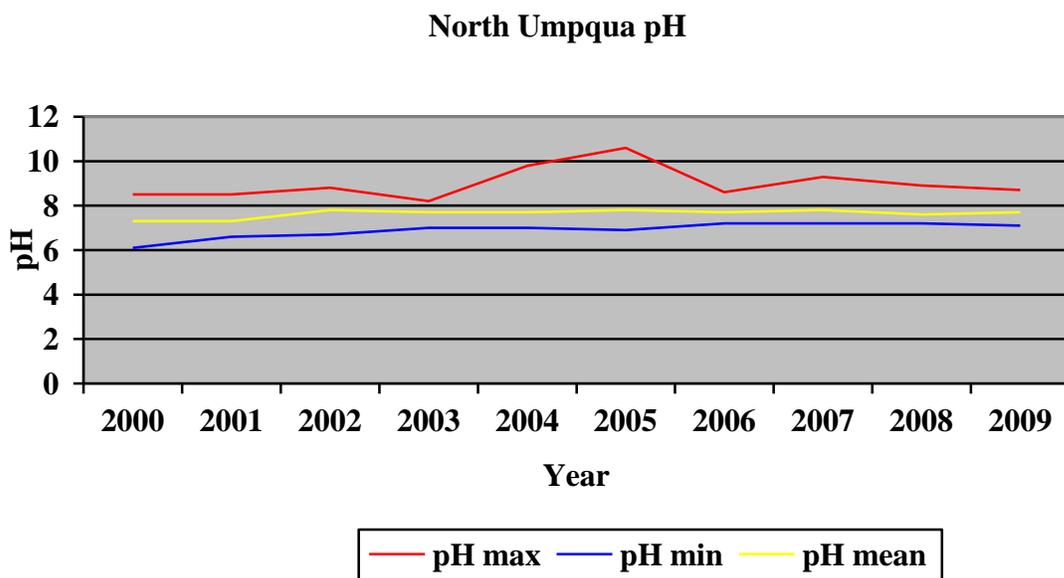
## B. Water Quality

Water quality affects most of the other ORV's. Table 10 shows some of the water quality parameters that have been consistently monitored over the past several years. The water samples were taken between Idlelyd Park and Rock Creek at a USGS station. Data is taken from the water year (October 1 – September 30).

**Table 11 ANNUAL WATER QUALITY STATISTICS**

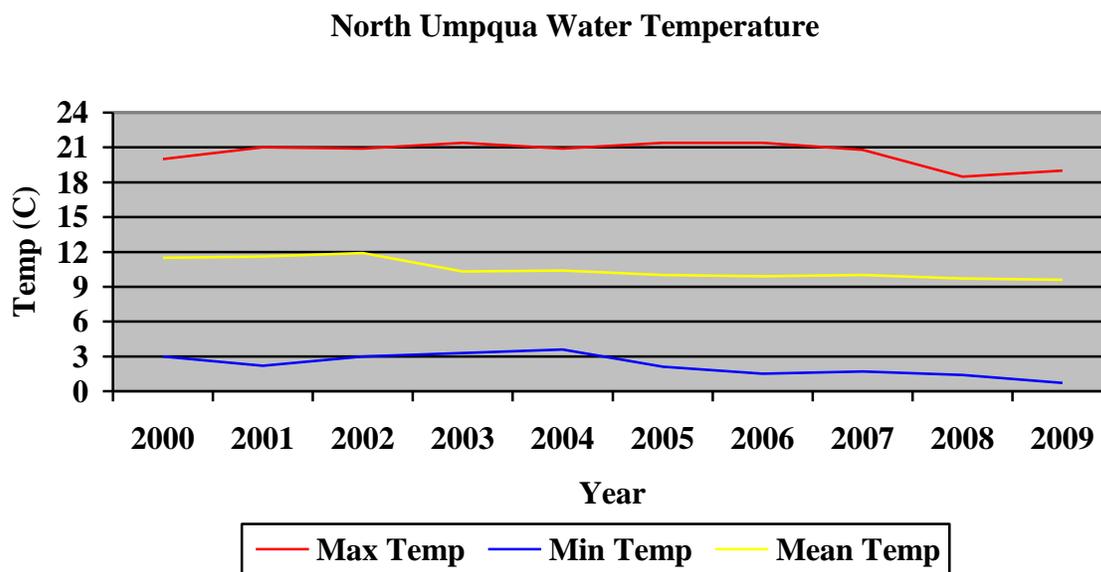
| Year                      | Measurement | pH (units)     | Temperature (°C)              | Dissolved Oxygen (mg/L) | Specific Conductance (us/cm) |
|---------------------------|-------------|----------------|-------------------------------|-------------------------|------------------------------|
| <b>Desired Conditions</b> |             | <b>6.5-8.5</b> | <b>&lt; 17.8 (7 day avg.)</b> | <b>&gt; 6.0</b>         | <b>maintain</b>              |
| 2000                      | Maximum     | 8.5            | 20.0                          | 13.6                    | 71                           |
|                           | Minimum     | 6.1            | 3.0                           | 7.3                     | 29                           |
|                           | <b>Mean</b> | <b>7.3</b>     | <b>11.5</b>                   | <b>10.5</b>             | <b>50</b>                    |
| 2001                      | Maximum     | 8.5            | 21.0                          | 13.6                    | 76                           |
|                           | Minimum     | 6.6            | 2.2                           | 6.4                     | 41                           |
|                           | <b>Mean</b> | <b>7.3</b>     | <b>11.6</b>                   | <b>10.0</b>             | <b>59</b>                    |
| 2002                      | Maximum     | 8.8            | 20.9                          | 13.3                    | 73                           |
|                           | Minimum     | 6.7            | 3.0                           | 7.3                     | 30                           |
|                           | <b>Mean</b> | <b>7.8</b>     | <b>11.9</b>                   | <b>10.3</b>             | <b>52</b>                    |
| 2003                      | Maximum     | 8.2            | 21.4                          | 15.4                    | 74                           |
|                           | Minimum     | 7.0            | 3.3                           | 9.0                     | 37                           |
|                           | <b>Mean</b> | <b>7.7</b>     | <b>10.3</b>                   | <b>11.6</b>             | <b>56</b>                    |
| 2004                      | Maximum     | 9.8            | 20.9                          | 14.0                    | 69                           |
|                           | Minimum     | 7.0            | 3.6                           | 7.5                     | 31                           |
|                           | <b>Mean</b> | <b>7.7</b>     | <b>10.4</b>                   | <b>11.6</b>             | <b>54</b>                    |
| 2005                      | Maximum     | 10.6           | 21.4                          | 15.7                    | 70                           |
|                           | Minimum     | 6.9            | 2.1                           | 8.2                     | 31                           |
|                           | <b>Mean</b> | <b>7.8</b>     | <b>10.0</b>                   | <b>11.7</b>             | <b>59</b>                    |
| 2006                      | Maximum     | 8.6            | 21.4                          | 14.2                    | 70                           |
|                           | Minimum     | 7.2            | 1.5                           | 8.7                     | 26                           |
|                           | <b>Mean</b> | <b>7.7</b>     | <b>9.9</b>                    | <b>11.5</b>             | <b>52</b>                    |
| 2007                      | Maximum     | 9.3            | 20.8                          | 14.0                    | 71                           |
|                           | Minimum     | 7.2            | 1.7                           | 8.9                     | 32                           |
|                           | <b>Mean</b> | <b>7.8</b>     | <b>10.0</b>                   | <b>11.5</b>             | <b>54</b>                    |
| 2008                      | Maximum     | 8.9            | 18.5                          | 14.3                    | 72                           |
|                           | Minimum     | 7.2            | 1.4                           | 9.4                     | 31                           |
|                           | <b>Mean</b> | <b>7.6</b>     | <b>9.7</b>                    | <b>11.9</b>             | <b>51</b>                    |
| 2009                      | Maximum     | 8.7            | 19.0                          | 14.4                    | 71                           |
|                           | Minimum     | 7.1            | 0.7                           | 9.3                     | 32                           |
|                           | <b>Mean</b> | <b>7.7</b>     | <b>9.6</b>                    | <b>11.6</b>             | <b>54</b>                    |

Graph 3



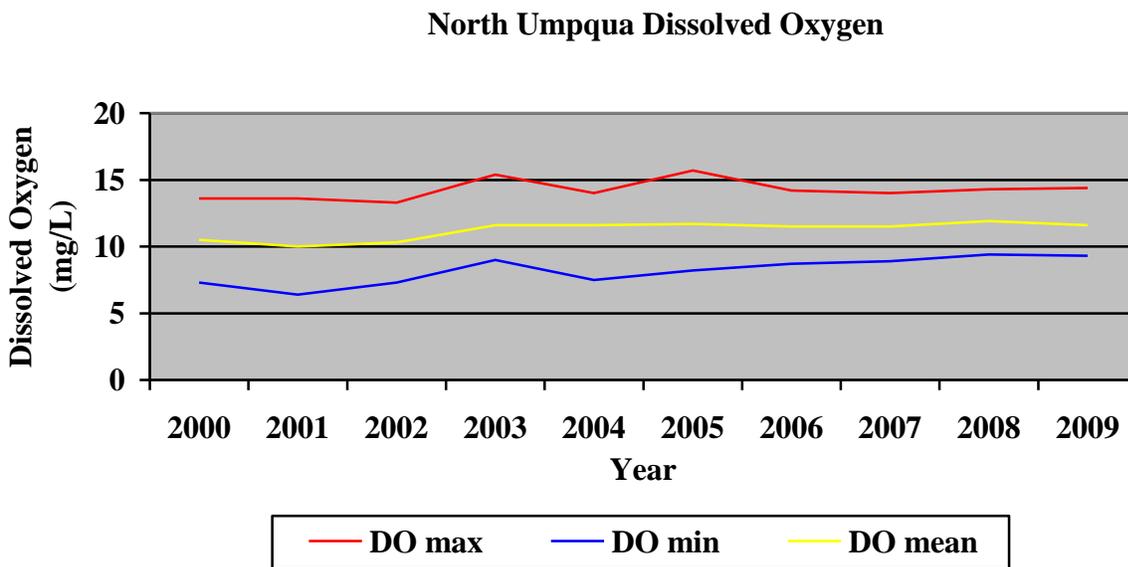
An acceptable pH range for the Umpqua Basin is between 6.5 - 8.5. It would be considered water quality limited if greater than 10% of the samples exceed this standard (fall outside the acceptable range), and a minimum of at least two samples exceed the standard during a season of interest. An acceptable pH range was maintained during the 2009 season.

Graph 4



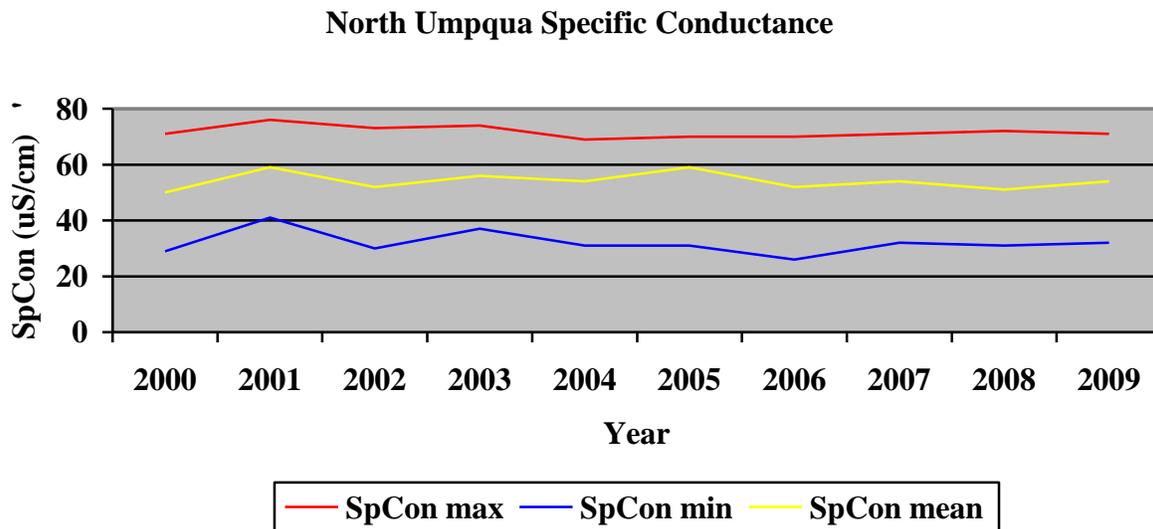
Maximum temperature standard reflects a 7 day average maximum. The 7 day maximum average temperature of the river should not exceed 17.8°C between June 1 and September 14. The 7 day maximum average temperature should not exceed 12.8°C at other times of the year; this helps with spawning conditions. Both conditions were met during the water year.

Graph 5



Dissolved oxygen (DO) should have no less than 6.5mg/l or 90% saturation. If the 7 day minimum average for DO is less than this standard, water quality is considered limited. Dissolved oxygen levels were within acceptable levels during the 2009 water year.

Graph 6



Although specific conductance has no standard, it is noted because specific conductance for the North Umpqua River is uniquely low.

### C. Cultural Resources

The North Umpqua River has attracted people for thousands of years. Because of this long-standing attraction, cultural resources are considered an outstandingly remarkable value of the river. One new archaeological site was discovered within the corridor in 2009. Two archaeological sites were evaluated to determine if they were eligible for listing on the National Register of Historic Places. Both were determined eligible. Eleven archaeological sites were monitored during the year, only one of which showed a changed condition. The changed condition consisted of slight erosion along a creek bank. No Archaeological Resource Protection Act violations were documented during the year.

### D. Scenery

The lands within the Wild and Scenic River Corridor will be managed to retain the visual quality objectives as defined in the North Umpqua Management Plan. Retention is defined as “management activities that should not be evident to the casual visitor.” The exception to this rule as written in the North Umpqua River Management Plan (pages 31-32) includes:

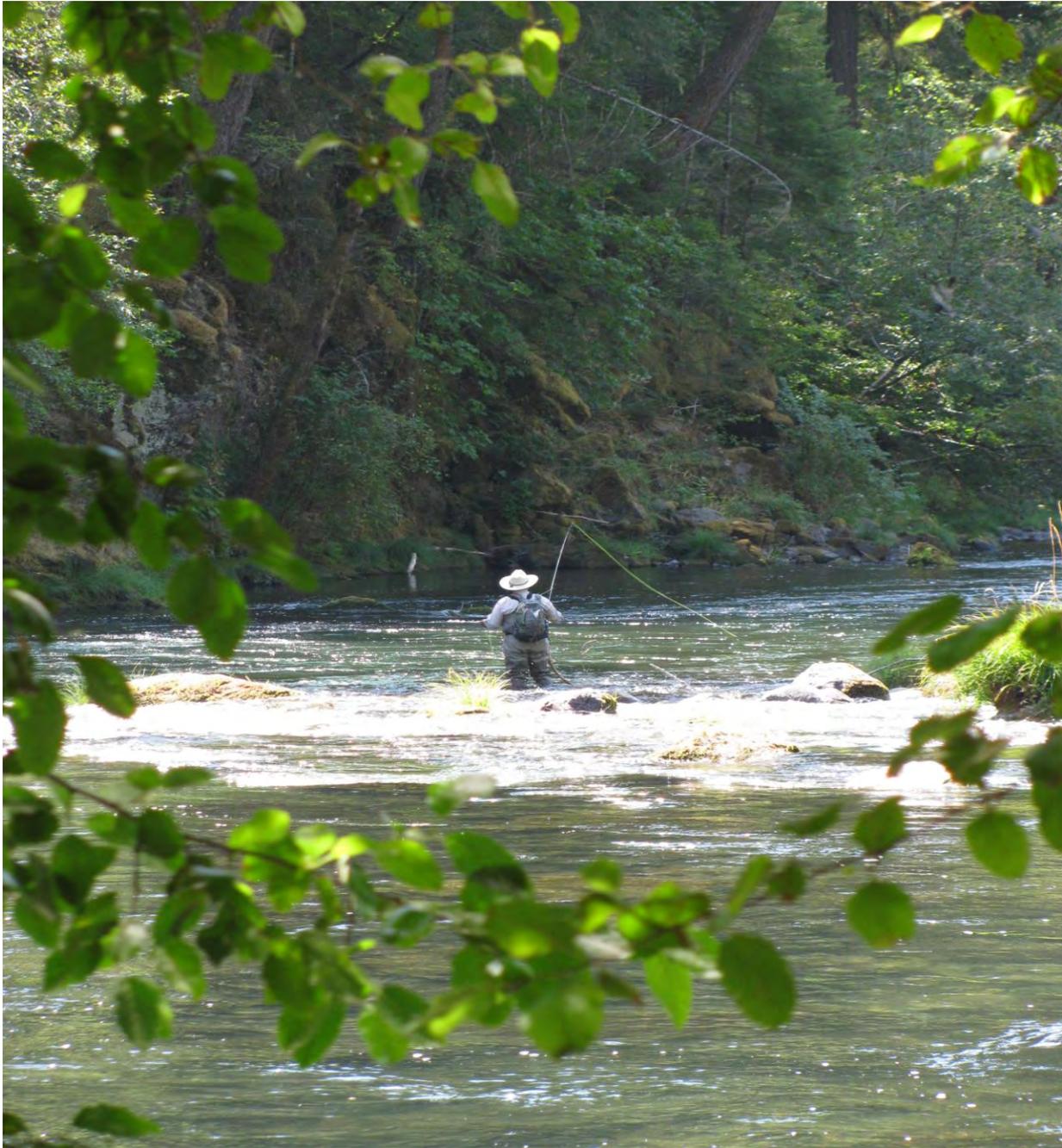
- a. The vegetation poses a safety hazard along the highway, the river, a trail, a power-line, or in a developed recreation area.
- b. The vegetation is located within an easement or right-of-way area, and a suitable alternate route cannot be found.
- c. The vegetation is in the way of a planned facility development or improvement project.
- d. The vegetation needs to be cut to enhance a significant or outstandingly remarkable value.
- e. A catastrophic natural event (such as wildfire, insect infestation, or blow down from a wind event) has left large numbers of dead, salvageable trees in the corridor.
- f. An insect infestation threatens adjacent timberlands outside the corridor.





#### **E. Year End Summary**

A concerted effort was made in the 2009 season to increase BLM/Forest Service presence on the river and to cross reference findings. River monitors were present on the river an additional 20 days in 2009. River usage in May and June showed a promising season, with numbers doubling from 2008. The timing of the Williams Creek Fire, in late July, affected river usage significantly. The closing of Highway 138 for a ten day period, the residual smoke, restricted parking, and trail, campground, and boat launch closures, made the North Umpqua River an improbable destination for most recreational users in the later part of the season. River usage in August and September remained low.



#### **IV. 2009 STAFF**

- BLM monitors – Erik Taylor, 4<sup>th</sup> year Outdoor Recreation Planner; Carol Scafe, 2<sup>nd</sup> year seasonal, recreation technician; Erin Gates, 1<sup>st</sup> year seasonal, recreation technician; Gale Graham, 1<sup>st</sup> year 60-day hire, river ranger.
- USFS monitor – Amy Croll, 4th year, seasonal
- USFS North Umpqua District Ranger – Carol Cushing
- USFS Recreation Staff – Larci Miller
- BLM Swiftwater Field Manager – Max Yager
- Report Preparers – Erik Taylor and Carol Scafe