

# FOIA MARKER

**This is not a textual record. This is used as an administrative marker by the William J. Clinton Presidential Library Staff.**

---

**Collection/Record Group:** Clinton Presidential Records  
**Subgroup/Office of Origin:** Council on Environmental Quality  
**Series/Staff Member:** Kathleen (Katie) McGinty  
**Subseries:**

---

**OA/ID Number:** 4300  
**FolderID:**

---

**Folder Title:**  
Forest Conference-Riparian

---

|               |             |                 |               |                  |
|---------------|-------------|-----------------|---------------|------------------|
| <b>Stack:</b> | <b>Row:</b> | <b>Section:</b> | <b>Shelf:</b> | <b>Position:</b> |
| <b>S</b>      | <b>61</b>   | <b>7</b>        | <b>2</b>      | <b>1</b>         |

Timber Sale Status, 10/5/93  
FOREST SERVICE VOLUME FROM R5/R6 only - DOES NOT INCLUDE BLM

**Sold, Awarded Sales**

- 1.552 bbf - as of 8/31/93.
- 400 mm on hold pending Marbled Murrelet biological opinion
- Screened sold/awarded sales in Key Watersheds/Roadless Areas to protect the aquatic resource; 72 units being dropped or modified - est 12 mmbf.

**Planned, Unenjoined Sales**

- est 140 mmbf, between now and Jan 1, 1994 (includes thinning/salvages in LSR's - est. 16 mmbf)\*\*\*
- Dropped sales that would be regen harvest in proposed LSR's.
- Screened all planned sales to protect aquatic resource.
- All sales to be sold will comply with ESA requirements.
- Doesn't include sales offered but not awarded.
- Doesn't include what WAS awarded in September.

\*\*\*This volume is DIFFERENT than Sunday; I checked directly with Forest Supervisors to insure that we don't overcommit and this is their best estimate of what they can actually put up between now and yearend. More volume is in pipeline but still needs ESA consultation agreement; environmental documentation; and modifications to meet new standards from screens.

**Enjoined, now released by negotiated agreement**

54 sales; 83 mmbf

Will be sold when consistent with President's Plan; when ESA consultations are completed; when environmental documentation is done.

**POINTS TO MAKE:**

1. Volume to move forward with planned sales and negotiated released sales is about 225 mmbf.
2. Sold and Awarded sales and all planned sales were evaluated to insure sales protect the aquatic resource -- BLM and USFS worked together with scientific community to determine the standards and conduct the assessment.
3. Want to ensure protection of LSR's -- won't offer regeneration harvest in LSR's.
4. For first time, an interagency approach to timber sale planning; BLM and USFS using same timber sale planning guidelines; agencies working together to streamline ESA consultation requirements.

Timber Sale Status, 10/5/93  
FOREST SERVICE VOLUME FROM R5/R6 only - DOES NOT INCLUDE BLM

**Sold, Awarded Sales**

- 1.552 bbf - as of 8/31/93.
- 400 mm on hold pending Marbled Murrelet biological opinion
- Screened sold/awarded sales in Key Watersheds/Roadless Areas to protect the aquatic resource; 72 units being dropped or modified - est 12 mmbf.

**Planned, Unenjoined Sales**

est 140 mmbf, between now and Jan 1, 1994 (includes thinning/salvages in LSR's - est. 16 mmbf)\*\*\*

- Dropped sales that would be regen harvest in proposed LSR's.
- Screened all planned sales to protect aquatic resource.
- All sales to be sold will comply with ESA requirements.
- Doesn't include sales offered but not awarded.
- Doesn't include what WAS awarded in September.

\*\*\*This volume is DIFFERENT than Sunday; I checked directly with Forest Supervisors to insure that we don't overcommit and this is their best estimate of what they can actually put up between now and yearend. More volume is in pipeline but still needs ESA consultation agreement; environmental documentation; and modifications to meet new standards from screens.

**Enjoined, now released by negotiated agreement**

54 sales; 83 mmbf

Will be sold when consistent with President's Plan; when ESA consultations are completed; when environmental documentation is done.

**POINTS TO MAKE:**

1. Volume to move forward with planned sales and negotiated released sales is about 225 mmbf.
2. Sold and Awarded sales and all planned sales were evaluated to insure sales protect the aquatic resource -- BLM and USFS worked together with scientific community to determine the standards and conduct the assessment.
3. Want to ensure protection of LSR's -- won't offer regeneration harvest in LSR's.
4. For first time, an interagency approach to timber sale planning; BLM and USFS using same timber sale planning guidelines; agencies working together to streamline ESA consultation requirements.

Timber Sale Status, 10/5/93  
FOREST SERVICE VOLUME FROM R5/R6 only - DOES NOT INCLUDE BLM

**Sold, Awarded Sales**

- 1.552 bbf - as of 8/31/93.
- 400 mm on hold pending Marbled Murrelet biological opinion
- Screened sold/awarded sales in Key Watersheds/Roadless Areas to protect the aquatic resource; 72 units being dropped or modified - est 12 mmbf.

**Planned, Unenjoined Sales**

est 140 mmbf, between now and Jan 1, 1994 (includes thinning/salvages in LSR's - est. 16 mmbf)\*\*\*

- Dropped sales that would be regen harvest in proposed LSR's.
- Screened all planned sales to protect aquatic resource.
- All sales to be sold will comply with ESA requirements.
- Doesn't include sales offered but not awarded.
- Doesn't include what WAS awarded in September.

\*\*\*This volume is DIFFERENT than Sunday; I checked directly with Forest Supervisors to insure that we don't overcommit and this is their best estimate of what they can actually put up between now and yearend. More volume is in pipeline but still needs ESA consultation agreement; environmental documentation; and modifications to meet new standards from screens.

**Enjoined, now released by negotiated agreement**

54 sales; 83 mmbf

Will be sold when consistent with President's Plan; when ESA consultations are completed; when environmental documentation is done.

**POINTS TO MAKE:**

1. Volume to move forward with planned sales and negotiated released sales is about 225 mmbf.
2. Sold and Awarded sales and all planned sales were evaluated to insure sales protect the aquatic resource -- BLM and USFS worked together with scientific community to determine the standards and conduct the assessment.
3. Want to ensure protection of LSR's -- won't offer regeneration harvest in LSR's.
4. For first time, an interagency approach to timber sale planning; BLM and USFS using same timber sale planning guidelines; agencies working together to streamline ESA consultation requirements.

Timber Sale Status, 10/5/93  
FOREST SERVICE VOLUME FROM R5/R6 only - DOES NOT INCLUDE BLM

**Sold, Awarded Sales**

- 1.552 bbf - as of 8/31/93.
- 400 mm on hold pending Marbled Murrelet biological opinion
- Screened sold/awarded sales in Key Watersheds/Roadless Areas to protect the aquatic resource; 72 units being dropped or modified - est 12 mmbf.

**Planned, Unenjoined Sales**

est 140 mmbf, between now and Jan 1, 1994 (includes thinning/salvages in LSR's - est. 16 mmbf)\*\*\*

- Dropped sales that would be regen harvest in proposed LSR's.
- Screened all planned sales to protect aquatic resource.
- All sales to be sold will comply with ESA requirements.
- Doesn't include sales offered but not awarded.
- Doesn't include what WAS awarded in September.

\*\*\*This volume is DIFFERENT than Sunday; I checked directly with Forest Supervisors to insure that we don't overcommit and this is their best estimate of what they can actually put up between now and yearend. More volume is in pipeline but still needs ESA consultation agreement; environmental documentation; and modifications to meet new standards from screens.

**Enjoined, now released by negotiated agreement**

54 sales; 83 mmbf

Will be sold when consistent with President's Plan; when ESA consultations are completed; when environmental documentation is done.

**POINTS TO MAKE:**

1. Volume to move forward with planned sales and negotiated released sales is about 225 mmbf.
2. Sold and Awarded sales and all planned sales were evaluated to insure sales protect the aquatic resource -- BLM and USFS worked together with scientific community to determine the standards and conduct the assessment.
3. Want to ensure protection of LSR's -- won't offer regeneration harvest in LSR's.
4. For first time, an interagency approach to timber sale planning; BLM and USFS using same timber sale planning guidelines; agencies working together to streamline ESA consultation requirements.

Timber Sale Status, 10/5/93  
FOREST SERVICE VOLUME FROM R5/R6 only - DOES NOT INCLUDE BLM

**Sold, Awarded Sales**

- 1.552 bbf - as of 8/31/93.
- 400 mm on hold pending Marbled Murrelet biological opinion
- Screened sold/awarded sales in Key Watersheds/Roadless Areas to protect the aquatic resource; 72 units being dropped or modified - est 12 mmbf.

**Planned, Unenjoined Sales**

est 140 mmbf, between now and Jan 1, 1994 (includes thinning/salvages in LSR's - est. 16 mmbf)\*\*\*

- Dropped sales that would be regen harvest in proposed LSR's.
- Screened all planned sales to protect aquatic resource.
- All sales to be sold will comply with ESA requirements.
- Doesn't include sales offered but not awarded.
- Doesn't include what WAS awarded in September.

\*\*\*This volume is DIFFERENT than Sunday; I checked directly with Forest Supervisors to insure that we don't overcommit and this is their best estimate of what they can actually put up between now and yearend. More volume is in pipeline but still needs ESA consultation agreement; environmental documentation; and modifications to meet new standards from screens.

**Enjoined, now released by negotiated agreement**

54 sales; 83 mmbf

Will be sold when consistent with President's Plan; when ESA consultations are completed; when environmental documentation is done.

**POINTS TO MAKE:**

1. Volume to move forward with planned sales and negotiated released sales is about 225 mmbf.
2. Sold and Awarded sales and all planned sales were evaluated to insure sales protect the aquatic resource -- BLM and USFS worked together with scientific community to determine the standards and conduct the assessment.
3. Want to ensure protection of LSR's -- won't offer regeneration harvest in LSR's.
4. For first time, an interagency approach to timber sale planning; BLM and USFS using same timber sale planning guidelines; agencies working together to streamline ESA consultation requirements.

## FAX TRANSMITTAL COVER SHEET

To: Will Stelle / Michael Graen Date: 10/5/93

Attn: \_\_\_\_\_

FAX No: 202-456-2710

From:  U.S. Forest Service  
Pacific Northwest Region  
Public Affairs Office

Contact person: Nancy Graybeal

FAX No: (503) 326-5044

Verify No: (503) 326-2971

Number of pages including this cover sheet: \_\_\_\_\_

Description: 1) Tree Sale Status

2) Volume Under Appeal

Remarks/forwarding message: 3) Aquatic Suckers Memo

4) Sold, Awarded Sale Analysis + Suckers

5) Planned Sale Suckers

Timber Sale Status, 10/5/93  
FOREST SERVICE VOLUME FROM R5/R6 only - DOES NOT INCLUDE BLM

**Sold, Awarded Sales**

- 1.552 bbf - as of 8/31/93.
- 400 mm on hold pending Marbled Murrelet biological opinion
- Screened sold/awarded sales in Key Watersheds/Roadless Areas to protect the aquatic resource; 72 units being dropped or modified - est 12 mmbf.

**Planned, Unenjoined Sales**

- est 140 mmbf, between now and Jan 1, 1994 (includes thinning/salvages in LSR's - est. 16 mmbf)\*\*\*
- Dropped sales that would be regen harvest in proposed LSR's.
- Screened all planned sales to protect aquatic resource.
- All sales to be sold will comply with ESA requirements.
- Doesn't include sales offered but not awarded.
- Doesn't include what WAS awarded in September.

\*\*\*This volume is DIFFERENT than Sunday; I checked directly with Forest Supervisors to insure that we don't overcommit and this is their best estimate of what they can actually put up between now and yearend. More volume is in pipeline but still needs ESA consultation agreement; environmental documentation; and modifications to meet new standards from screens.

**Enjoined, now released by negotiated agreement**

54 sales; 83 mmbf

Will be sold when consistent with President's Plan; when ESA consultations are completed; when environmental documentation is done.

**POINTS TO MAKE:**

1. Volume to move forward with planned sales and negotiated released sales is about 225 mmbf.
2. Sold and Awarded sales and all planned sales were evaluated to insure sales protect the aquatic resource -- BLM and USFS worked together with scientific community to determine the standards and conduct the assessment.
3. Want to ensure protection of LSR's -- won't offer regeneration harvest in LSR's.
4. For first time, an interagency approach to timber sale planning; BLM and USFS using same timber sale planning guidelines; agencies working together to streamline ESA consultation requirements.

## VOLUME UNDER APPEAL, R-6 USFS ONLY

Current as of October 5, 1993:

199.9 million board feet total is volume under appeal.

101.5 million board feet volume under appeal on Owl Forests.

97.0 million board feet is under appeal by environmental groups.

98.4 million board feet volume under appeal on Eastside Forests.

All volume under appeal by environmental groups.

*Memo would go to: Forest Sups.  
as directed by Jim Lyons.*

Subject: Aquatic Screens, Sold and Awarded Sales

Recently, you reviewed your sales under contract against a screen intended to protect aquatic resources. The screen was designed to determine if harvesting these sales or units within sales would cause unacceptable impacts to the aquatic resource. You received direction to work within the contract to make the necessary modifications to protect these resources.

I want to ensure we have consistently applied the screen across your Forest and have reached agreement on the results. In order to protect the aquatic resource, please initiate action to ensure the aquatic screens were consistently applied among the Districts on your Forest. If you find instances of inconsistent application, initiate the appropriate action to insure sales are screened consistently across your Forest.

In addition, if you become aware of any concerns or disagreements surrounding the application of the screen to individual sold and awarded sales on your Forest, I expect your personal involvement to review these sales and resolve the issues of concern. If you identify sales on which further action is required or more time is needed to resolve the issues, take all appropriate steps under the contract, including suspending operations on sales or units, to protect the aquatic resources until the issues are resolved.

Subject: Voluntary return of sales\*\*

You should make current holders of sold and awarded sales on your Forest aware that the government is willing to accept without penalty to either party the return of sales in the following categories that the purchasers choose to relinquish:

1. Sales in proposed Late Successional Reserves under Option 9
  2. Sales in final Late Successional Reserves after the final ROD is published.
  3. Sales that in their judgment are a significant departure from the final preferred alternative.
- Purchasers have until 30 days after published ROD to take the government up on this offer.

\*\*These aren't the EXACT words Jim Lyon has worked out - but it's the intent as of 3:00 PDT. Jim is the only one I know with the latest wording\*\*



United States  
Department of  
Agriculture

Forest  
Service

RO/OSO

Bureau  
of Land  
Management

United States  
Department of  
Interior

Reply to: 2450/5400

Date: July 30, 1993

Subject: Sold and Awarded Timber Sale Analysis

To: Forest Supervisors and BLM District Managers

REPLY DUE AUGUST 16

We need you to conduct a review of your "Sold and Awarded" timber sales under Option 9. The intent of this review is to identify those units or sales which might result in long-term highly significant adverse impacts to riparian and aquatic systems. This process is to be used for information purposes only and is not intended to initiate modifications to "Sold and Awarded" sales for compliance with FEMAT standards and guidelines.

Enclosed is a screening process and flowchart developed by the Riparian/Aquatic Team to facilitate this review. This screening process is designed to sort "Sold and Awarded" sales within Key Watersheds or Roadless Areas into two categories of impact to riparian/aquatic systems. The first category of sales are those which are "not likely" to result in significant adverse impact, and the second category are sales which are "highly likely" to result in significant adverse impact.

All screening should be conducted by Forest/District staff which are most familiar with the sales. Review teams must be interdisciplinary and include professional expertise in fisheries and earth sciences. We encourage interagency collaboration in conducting these reviews where sales from both agencies or adjacent National Forests are in proximity to each other. This will ensure consistency in the screening process. All adverse impact determinations must be based on professional judgment with the decision rationale well documented. If the sale is considered to be highly likely to result in significant adverse impact to these systems, then recommendations should be made for appropriate modifications or mitigation measures to the sale.

We have included a sales listing for each National Forest which breaks out the sales within Key Watersheds or Roadless Areas. Any corrections to these data should be sent to Sarah Crim, Regional Office, Portland. The BLM has sent a sales listing to each District under separate cover and all corrections to that data should be sent to Nancy Anderson BLM Oregon State Office (931.5). Questions concerning the screen criteria should be directed to Jim Sedell, Forestry Sciences Laboratory, Corvallis, OR. (DG - J.Sedell:S26L05A or Phone: 503-750-7315).



## Forest Supervisors/District Managers

2.

An Interagency Regional Review team will be assembled to review a percentage of your sales to ensure consistency and adequacy of documentation. The Forest/District screening of these sales should be completed and submitted to this Regional Office for FS sales or the Oregon State Office (931.5) for the BLM sales by August 15, 1993.

*John E. Lowe*  
JOHN E. LOWE  
Regional Forester

*Claine Y. Zielinski*  
for D. DEAN BIBLES  
State Director

Forest Service and Bureau of Land Management  
Screening Process for "Sold and Awarded" Timber Sales  
Within Key Watersheds and Roadless Areas

The screening process shall be conducted for each timber sale or sale unit within Key Watersheds (FEMAT Report) or Roadless Area (RARE II) by District or Resource Area staff in conjunction with Forest or District staffs in each agency. These review teams must be interdisciplinary and include professional expertise in fisheries and earth sciences. The team members must be those individuals most familiar with the sale (logging engineer, fisheries biologist, hydrologist, etc.). The screening process will follow the procedures outlined on the attached flowchart. More detailed guidance for each major step of this process is as follows:

Step No. 1 - For each timber sale or unit conduct an initial screening of all NEPA documents and process records. This is to assess the degree of confidence held in the NEPA documentation that conditions on the ground were reflected accurately enough to identify sales which are highly likely to result in significant adverse impact. In the event there is a determination of "low confidence" this indicates the NEPA documentation is of limited value and a further review must be conducted in the field. A "high confidence" determination in NEPA documentation should be sufficient for office review to proceed without a field review.

Step No. 2 - The two primary screening criteria are based on 1) Riparian Reserves as defined in Chapter V of the FEMAT report and 2) road placement and design. Use general guidelines for each screening criteria as follows:

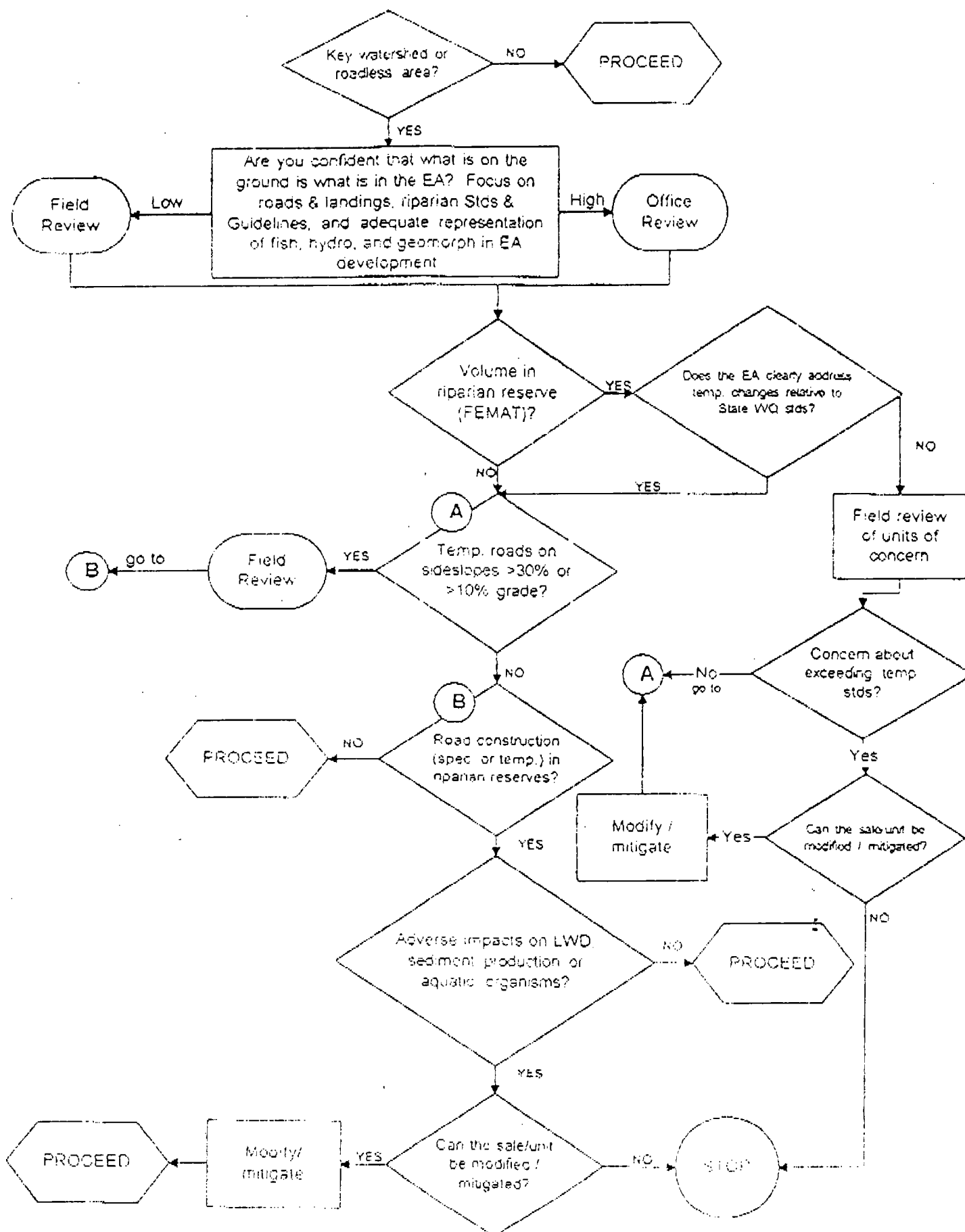
1) FEMAT report riparian reserve widths provide a conservative screen which should be sufficient for a sale or unit to proceed as planned and designed. In the event harvest is prescribed within the Riparian Reserve it must be determined whether or not the sale is highly likely to cause State temperature standards to be exceeded over the long term.

NOTE: Riparian Reserve widths are used only as a screen and it is not expected that "Sold and Awarded" sales will be brought into compliance with FEMAT.

2) The road screen is based on the requirement that for temporary roads which are to be constructed on slopes greater than 30 % or with grades greater than 10 %, further review must be conducted in the field. The road screen further requires that if temporary or specified roads are to be constructed in FEMAT defined Riparian Reserves it must be determined whether or not the sale is highly likely to result in significant adverse impact to riparian/aquatic systems by substantially affecting processes such as large woody delivery (LWD) and sediment production or directly affecting aquatic organisms. The list of at-risk anadromous stocks provided in appendix V-C of the FEMAT report may provide general guidance in this assessment. NOTE: The road screen is based on roads to be constructed and not those that are substantially completed. If a road to have been constructed is substantially completed, consideration should be given to methods/requirements which will mitigate adverse impacts which are determined.

Step No. 3 - Adverse Impact Determination: In the event there is a concern about exceeding State water quality standards or that adverse impacts on LWD, sediment production or aquatic organisms may occur, such determinations must be based on professional judgement with well documented decision rationale.

Step No. 4 - A "highly likely to result in significant adverse impact to riparian/aquatic systems" determination must be accompanied by possible recommendations for appropriate modifications to the sale for the mitigation of sale impacts. If the sale cannot be modified then it should be considered for buy-back.



United States  
Department of  
Agriculture

Forest  
Service

RO

Reply to: 2450

Date: August 20, 1993

Subject: Sold and Awarded Sale Analysis

To: Forest Supervisors

We have completed the review of your analysis of sold and awarded timber sales in relation to impacts on riparian and aquatic systems. A total of 72 units were identified as requiring some form of adjustment. Forests have indicated that modification to 55 of these units can be accomplished within the framework of the contract. Seventeen units were identified as requiring changes which may require an environmental modification to either change or delete the unit.

You should proceed to modify or delete those units where you have determined a change is needed. Contracting Officers will pursue these modifications through mutual modification whenever possible. If this cannot be done, you should pursue environmental modification under the terms of the contract.

/s/ John E. Lowe

JOHN E. LOWE  
Regional Forester

Author: S. Paulson, DG, 08/20/93  
I Concur: S. Paulson 08/20/93  
I concur: S. Burk, 08/20/93

United States  
Department of  
Agriculture

Forest  
Service

RO/OSO

Bureau  
of Land  
Management

United States  
Department of  
Interior

Reply to: 2430/5400

Date: September 1, 1993

Subject: Planned Sales Screening Process

To: Forest Supervisors and BLM District Managers

REPLY DUE SEPTEMBER 15

We need to conduct further analysis on our timber sales which are to be sold or awarded between now and the time the Record of Decision is signed. This analysis will be similar to that which you have just completed for the volume under contract.

Non-Enjoined Sales: Forests and BLM Districts should stop work on sales located within proposed Late Successional Reserves and Murrelet Reserves. The exception to this would be for thinnings in stands less than 80 years of age and salvage of greater than 10 acres. Thinning and salvage sales in proposed reserves will require review by a scientific oversight team. For the remaining sales, which are in the matrix, roadless areas, key watersheds, and adaptive management areas, you should proceed with an analysis utilizing the screening process enclosed. Units or sales which do not pass this screen should be modified to meet the screen before selling.

Sold, Unawarded, Unenjoined Sales: Sales which have been sold, but are not awarded or enjoined should also be screened. Utilize the criteria and screening process used in the above non-enjoined sale analysis. Screen all sales regardless of their location. Provide the results of your recommendation to this office and indicate which are section 318 sales.

As in our review of sales under contract, review teams must be interdisciplinary and include expertise in fisheries and earth sciences. Interagency collaboration in conducting these reviews are encouraged. Please provide the results of the above analysis to this office by September 15, 1993. If you have any questions about the screening criteria please contact Jim Sedell, Forestry Sciences Laboratory, Corvallis, OR. (DG-J.Sedell:S26L05A). Other questions should be directed to Steve Paulson (503-326-2957) or Tom State (503-280-7071).

/s/ Jerry L. Monesmith (for)

/s/ Robert D. Rheiner Jr. (for)

JOHN E. LOWE  
Regional Forester

ELAINE Y. ZIELINSKI  
Acting State Director

Enclosure

## STEPS IN THE SCREENING PROCESS

The screen applies to all "Sold, Unawarded, and Unenjoined" sales and "Sales planned to be sold" prior to the Record of Decision in the range of the northern spotted owl. The screening process will follow the procedures outlined on the attached flow chart. More detailed guidance for each major step of this process is as follows:

Step No. 1 - For each timber sale or unit, conduct an initial screening of all NEPA documents and process records and any other relevant information. Determine whether the NEPA documentation adequately addresses impacts to aquatic and riparian resources. Then, if impacts are adequately addressed, determine whether the project layout reflects direction provided by the NEPA documentation. If not, a field review should be conducted. Adequate NEPA documentation should be sufficient for office review to proceed without field review at that point. Document your findings.

Step No. 2 - The two primary screening criteria used are based on Riparian Reserves as defined in the DSEIS preferred alternative and road placement and design. All findings should be specifically documented using data obtained from field review or NEPA records. Use general guidelines for each screening criteria as follows:

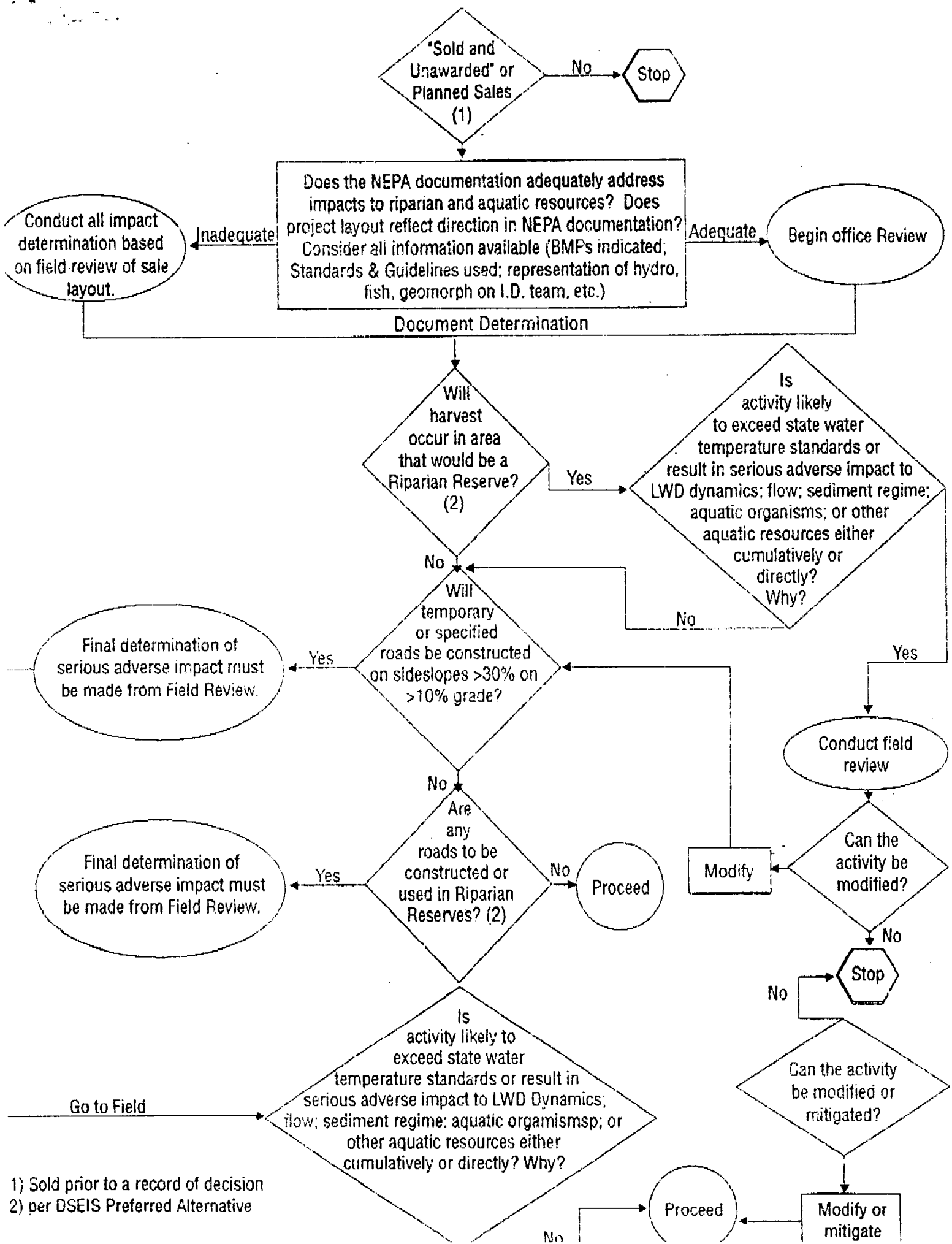
(1) DSEIS preferred alternative Riparian Reserve widths provide a conservative screen so that if harvest is prescribed within the Riparian Reserve, it must be determined whether or not the activity is likely to cause state water temperature standards to be exceeded or result in serious adverse impacts (directly or cumulatively) to large woody debris dynamics, sediment regime, flows, aquatic organisms, or other aquatic/riparian resources. The list of at-risk anadromous stocks provided in appendix V-C of the FEMAT report may provide general guidance in this assessment. It should again be emphasized that Riparian Reserve widths are used here only as a screen, and it is not expected that sales will be brought into compliance with the preferred alternative.

(2) The road screen is concerned with impacts from roads to be constructed on slopes greater than 30% or with grades greater than 10%. It is also concerned with temporary or specified roads to be constructed or existing roads that will continue to be used in Riparian Reserves. If any of these situations exist, a field review is required. During the field review, it must be determined whether the activity is likely to cause state water temperature standards to be exceeded or result in serious adverse impacts (directly or cumulatively) to large woody debris dynamics, sediment regime, flows, aquatic organisms, or other aquatic/riparian resources. The list of at-risk anadromous stocks provided in appendix V-C of the FEMAT report may provide general guidance in this assessment. Note: Make sure you consider mitigation actions that might be needed to reduce the impact of existing roads.

Step No. 3 - Adverse impact determination--All adverse impact determinations (state water temperature standards to be exceeded or serious adverse impacts (directly or cumulatively) to large woody debris dynamics, sediment regime, flows, aquatic organisms, or other aquatic/riparian resources are to be based on professional judgment. The decisions should be documented with information from the NEPA records (include page numbers) or data from the field review (BMPs being applied or not; Forest Plan guidance followed or not; current scientific understanding of aquatic system function being contradicted or not, etc.).

Step No. 4 - A "likely to result in serious adverse impact to riparian/aquatic systems" determination must be accompanied by possible recommendations for

appropriate modifications to the sale for mitigation of sale impacts. If sale cannot be modified, activity should not proceed.



1) Sold prior to a record of decision  
 2) per DSEIS Preferred Alternative