

2015 Water Modification Forms
Unit 4 – Lewis River



| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0108 |
| Comment Due Date 6/2/2015 | | | |

DNR Office Summary

(For office use only)

| Name of Reviewers | Concur | Non-concur | Date Comment Received | | | |
|--------------------|-------------------------------------|------------|-----------------------|-------|-------------------------------------|-------------------------------------|
| | | | Email | Phone | In Person | No Reply |
| DNR: Geoff Crosby | <input checked="" type="checkbox"/> | | | | 10-21-15 | |
| WDFW: Steve West | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | |
| DOE: Rod Thysell | <input checked="" type="checkbox"/> | | | | 10/20/15 | |
| Tribe: Yakama | | | | | | <input checked="" type="checkbox"/> |
| Tribe: Cowlitz | | | | | | <input checked="" type="checkbox"/> |
| Tribe: | | | | | | |
| Other: | | | | | | |
| Other: Marty Acker | | | | | | <input checked="" type="checkbox"/> |

☒ DNR Concur

☐ DNR Non-concur

Justification:

Office reviewers name Mandie Willenberg Position NRT3 Date 06/05/2015

Proponent and reviewers notified of by Mandie Willenberg on 10/22/15
(Name) (Date)



| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRLA | Year | Number |
| PC | 27 | 15 | 0108 |
| Received Date | | | |

Water Type Modification Form
(For changes to the Water Type Map)

| * Proponent name | | | Organization name and address | | | Telephone number | | |
|----------------------------------|--|--|-------------------------------------------------------------------------|--|--|---------------------------------------------|--|--|
| Kirk S. Naylor Kirk S. Naylor | | | Pacific Corp Energy 325 NE Multnomah, Ste 1500 Portland, OR 97232 | | | (503) 813-6619 | | |
| | | | | | | Email address Kirk.naylor@pacificorp.com | | |
| Surveyor name (s) | | | Organization name and address | | | Telephone number | | |
| Joe Berry [Signature] | | | Chilton Logging Inc. 1760 Down River Dr. Woodland, WA 98674 | | | (503) 660-8760 | | |
| | | | | | | Email address jberry@chiltonlogging.com | | |

☐ *Adding streams/lakes ☐ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☒ *Changing location of streams/lakes (describe in box 16)

Washington State Department of Natural Resources - Water Type Modification Form August 15, 2013

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (*attached survey information*)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☒ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☐ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☒ Yes. Mark box(s) below (*for segment A*)
☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☒ Other (describe): PC27440173

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

- ☐ Temporary barriers (log jams)
☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No
 Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☒ No

- ☐ Yes. Estimate when the event occurred _____
 Describe how these affected current stream channel conditions and fish distribution in the stream.

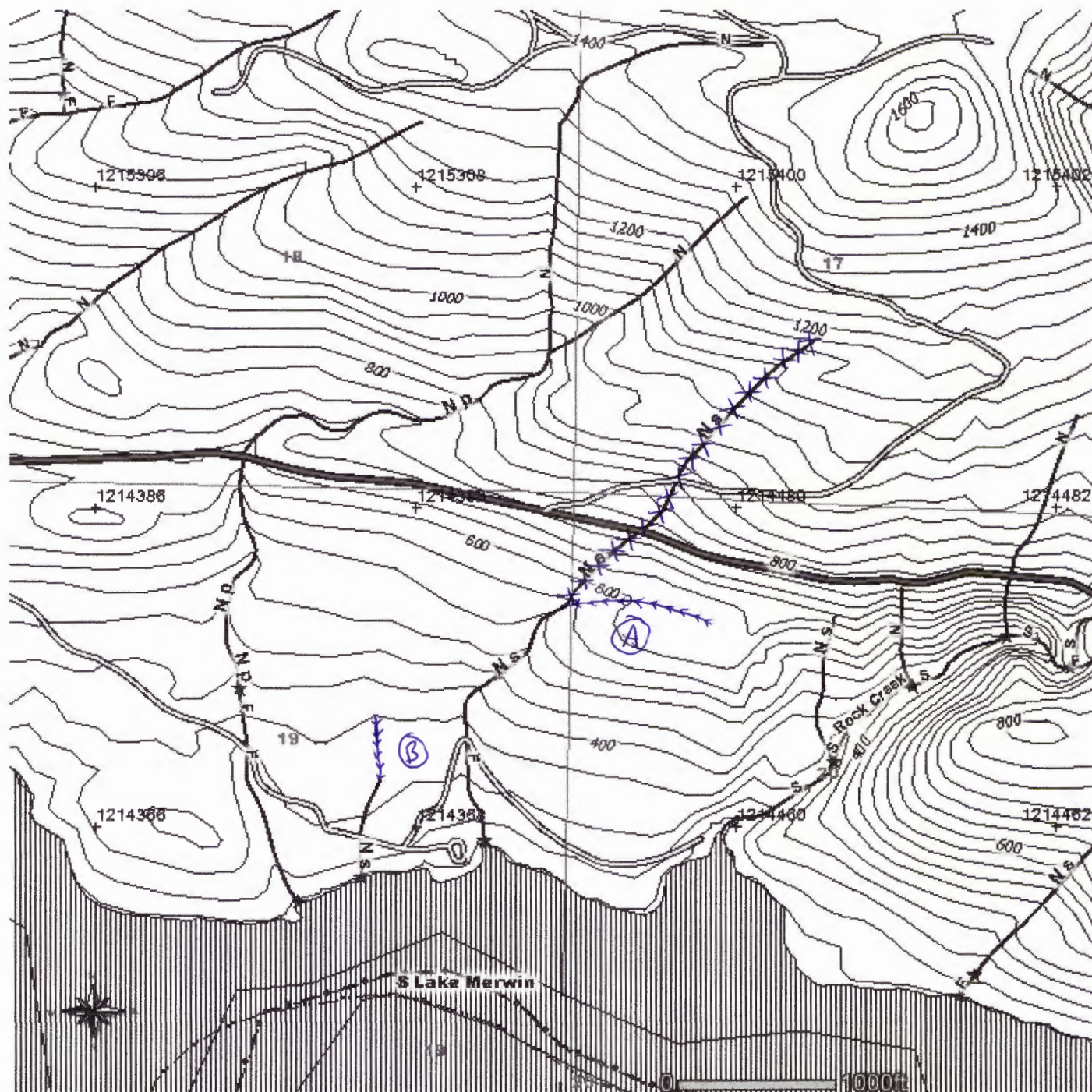
16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

Type break based on dxr channel.

FOREST PRACTICE ACTIVITY MAP

TOWNSHIP 6 NORTH HALF 0, RANGE 3 EAST (W.M.) HALF 0, SECTION 20

Application #: **PC-27-15-0108**



Please use the legend from the FPA Instruction or provide a list of symbols used.

----->>>>> New Stream

xxxx Deleted Stream

4/21/2015, 1:57:31 PM
NAD 83
Contour Interval: 40 Feet

2015 Water Modification Forms
Unit 5 – Lewis River



| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0110 |
| Comment Due Date 7/8/2015 | | | |

DNR Office Summary

(For office use only)

| Name of Reviewers | Concur | Non-concur | Date Comment Received | | | |
|--------------------|-------------------------------------|------------|-----------------------|-------|-----------|-------------------------------------|
| | | | Email | Phone | In Person | No Reply |
| DNR: Geoff Crosby | <input checked="" type="checkbox"/> | | | | 10-21-15 | |
| WDFW: Steve West | <input checked="" type="checkbox"/> | | | | (P.D.) | |
| DOE: Rod Thysell | <input checked="" type="checkbox"/> | | | | 10/20/15 | |
| Tribe: Yakama | | | | | | <input checked="" type="checkbox"/> |
| Tribe: Cowlitz | | | | | | <input checked="" type="checkbox"/> |
| Tribe: | | | | | | |
| Other: | | | | | | |
| Other: Marty Acker | | | | | | <input checked="" type="checkbox"/> |

☒ DNR Concur

☐ DNR Non-concur

Justification:

Office reviewers name Mandie Willenberg Position NRT3 Date 6/8/2015



Proponent and reviewers notified of by Mandie Willenberg on 10/22/15
(Name) (Date)

Received Date

Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| | | |
|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| * Proponent name Kirk Naylor  | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 <hr/> Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry  | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 <hr/> Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☐ *Adding streams/lakes ☒ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☒ *Changing location of streams/lakes (describe in box 16)

| | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------------|--|
| 1. *Water Segment ID <i>W,V</i> | 2. Name of Water <i>—</i> | 3. Tributary To <i>Lake Merwin</i> | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) <i>NE, NE Sec. 21, T6N, R3E</i> | |
| 5. *County <i>Clark</i> | 6. Water Type Shown on Map <i>N</i> | 7. Proposed Water Type <i>Ns</i> | 8. *Date of Field Assessment <i>04/14/15</i> | |
| 9. *Forest Practices Application Number(s) (if applicable) <i>—</i> | | | | |
| 10. Change is based on the following (check <u>all</u> that apply). | | | | |
| Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (If you check this box attach ID team report) <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: _____ | | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input type="checkbox"/> Below Normal | | | | |
| Was there a drought warning issued by the DNR? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: _____ | | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____ Narrowest bankfull width measurement _____
 Widest bankfull width measurement _____ Average bankfull width _____
 Lowest gradient _____ Steepest gradient _____
 Average gradient _____ Average wetted width _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (*attached survey information*)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☐ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below
☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)



showing streams in their correct location

Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC-27-15-0110 | | | |
| Received Date | | | |

| | | |
|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------|
| * Proponent name Kirk Naylor  | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 |
| | | Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry  | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 |
| | | Email address jberry@chiltonlogging.com |

Check applicable boxes:

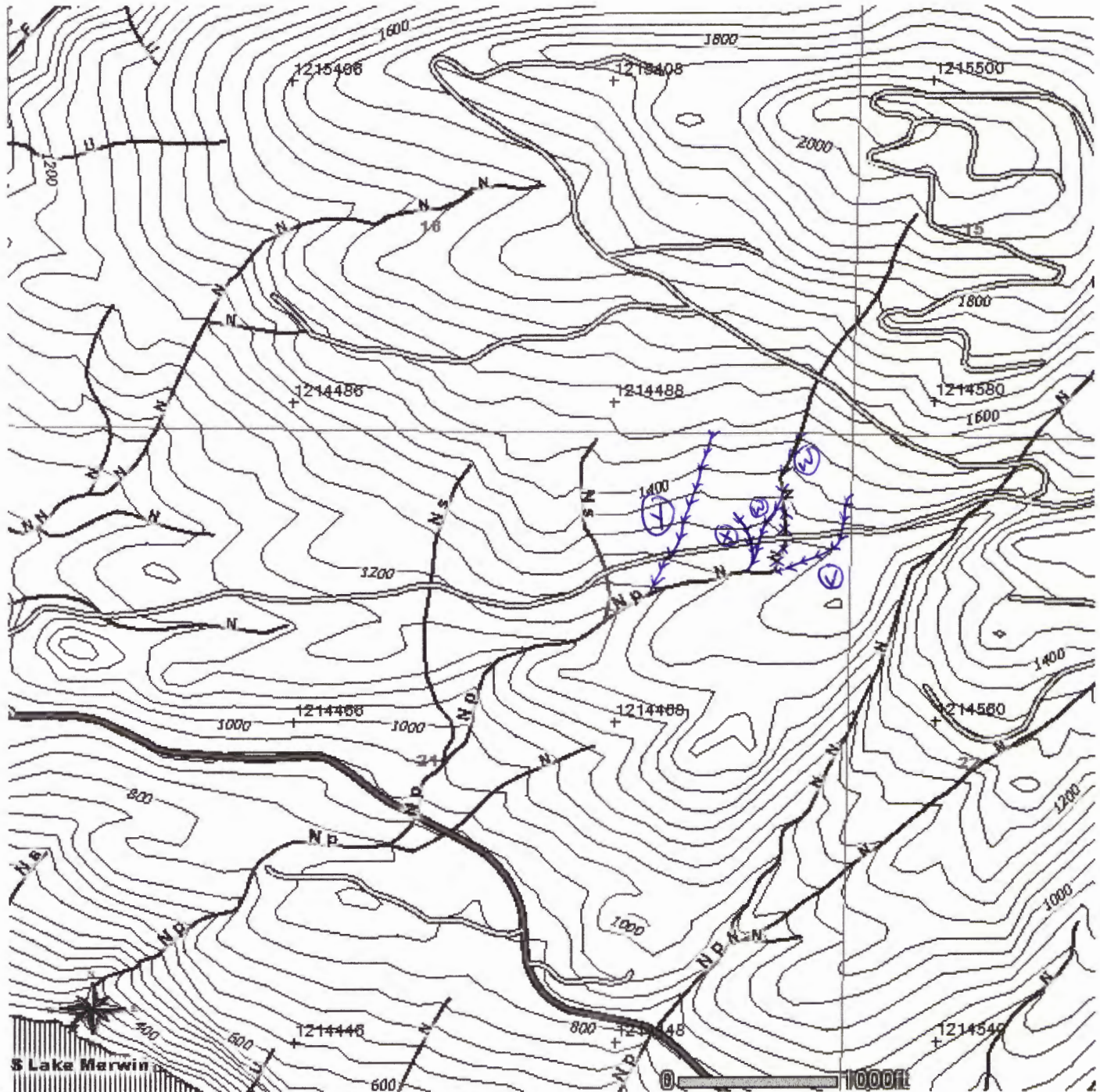
- ☒ *Adding streams/lakes ☐ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☐ *Changing location of streams/lakes (describe in box 16)

| | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID <u>Y, X</u> | 2. Name of Water <u> </u> | 3. Tributary To <u>Lake Merwin</u> | 4. *Legal Description (1/4, 1/4 Section, Township, Range, EW) <u>NE, NE Sec. 21 T6N, R3E</u> |
| 5. *County <u>Clark</u> | 6. Water Type Shown on Map <u> </u> | 7. Proposed Water Type <u>Ns</u> | 8. *Date of Field Assessment <u>04/15/15</u> |
| 9. *Forest Practices Application Number(s) (if applicable) <u> </u> | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (If you check this box attach ID team report) <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input type="checkbox"/> Below Normal | | | |
| Was there a drought warning issued by the DNR? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: | | | |

TOWNSHIP 6 NORTH HALF 0, RANGE 3 EAST (W.M.) HALF 0, SECTION 21

Application #:

PC-27-15-0110



Please use the legend from the FPA Instruction or provide a list of symbols used.

4/21/2015, 2:32:39 PM
NAD 83
Contour Interval: 40 Feet

2015 Water Modification Forms
Unit 6 – Lewis River



| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0117 |
| Comment Due Date 7/9/2015 | | | |

DNR Office Summary

(For office use only)

| Name of Reviewers | Concur | Non-concur | Date Comment Received | | | |
|--------------------|-------------------------------------|------------|-----------------------|-------|-----------|-------------------------------------|
| | | | Email | Phone | In Person | No Reply |
| DNR: Geoff Crosby | <input checked="" type="checkbox"/> | | | | 10-21-15 | |
| WDFW: Steve West | <input checked="" type="checkbox"/> | | | | (A) | |
| DOE: Rod Thysell | <input checked="" type="checkbox"/> | | | | 10/20/15 | |
| Tribe: Yakama | | | | | | <input checked="" type="checkbox"/> |
| Tribe: Cowlitz | | | | | | <input checked="" type="checkbox"/> |
| Tribe: | | | | | | |
| Other: | | | | | | |
| Other: Marty Acker | | | | | | <input checked="" type="checkbox"/> |

☒ DNR Concur

☐ DNR Non-concur

Justification:

Office reviewers name Mandie Willenberg Position NRT3 Date 6/9/2015

Proponent and reviewers notified of by Mandie Willenberg on 10/22/15
(Name) (Date)



| <i>Region</i> | <i>WRIA</i> | <i>Year</i> | <i>Number</i> |
|---------------|-------------|-------------|---------------|
| PC-27- | 15- | 0117 | |

Received Date

Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| | | |
|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------|
| * Proponent name Kirk S Naylor  | Organization name and address PacificCorp Energy 825 NE Multnomah, Ste 1500 Portland, OR 97232 | Telephone number (503) 813-6619 |
| | | Email address kirk.naylor@pacificcorp.com |
| Surveyor name (s) Joe Berry  | Organization name and address Chilton Logging Inc 1760 Down River Drive Woodland, WA 98674 | Telephone number () |
| | | Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☐ *Adding streams/lakes ☐ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☒ *Changing location of streams/lakes (describe in box 16)

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID (A) | 2. Name of Water _____ | 3. Tributary To Merrin | 4. *Legal Description (1/4, 1/4 Section, Township, Range, EW) SW, NE Sec. 20, T6N, R3E |
| 5. *County Cowlitz | 6. Water Type Shown on Map F/Ns | 7. Proposed Water Type F/Ns | 8. *Date of Field Assessment 05/01/15 |
| 9. *Forest Practices Application Number(s) (if applicable) _____ | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (If you check this box attach ID team report) <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements If you check this box fill out block 11-16 <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found _____ <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: Not in correct location | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Below Normal | | | |
| Was there a drought warning issued by the DNR? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (*attached survey information*)
☐ The end of harvest or property boundary
☐ The junction of two or more streams

Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No

- ☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat

☒ Physical characteristics

☐ Other (describe): over 25% down to lake

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.

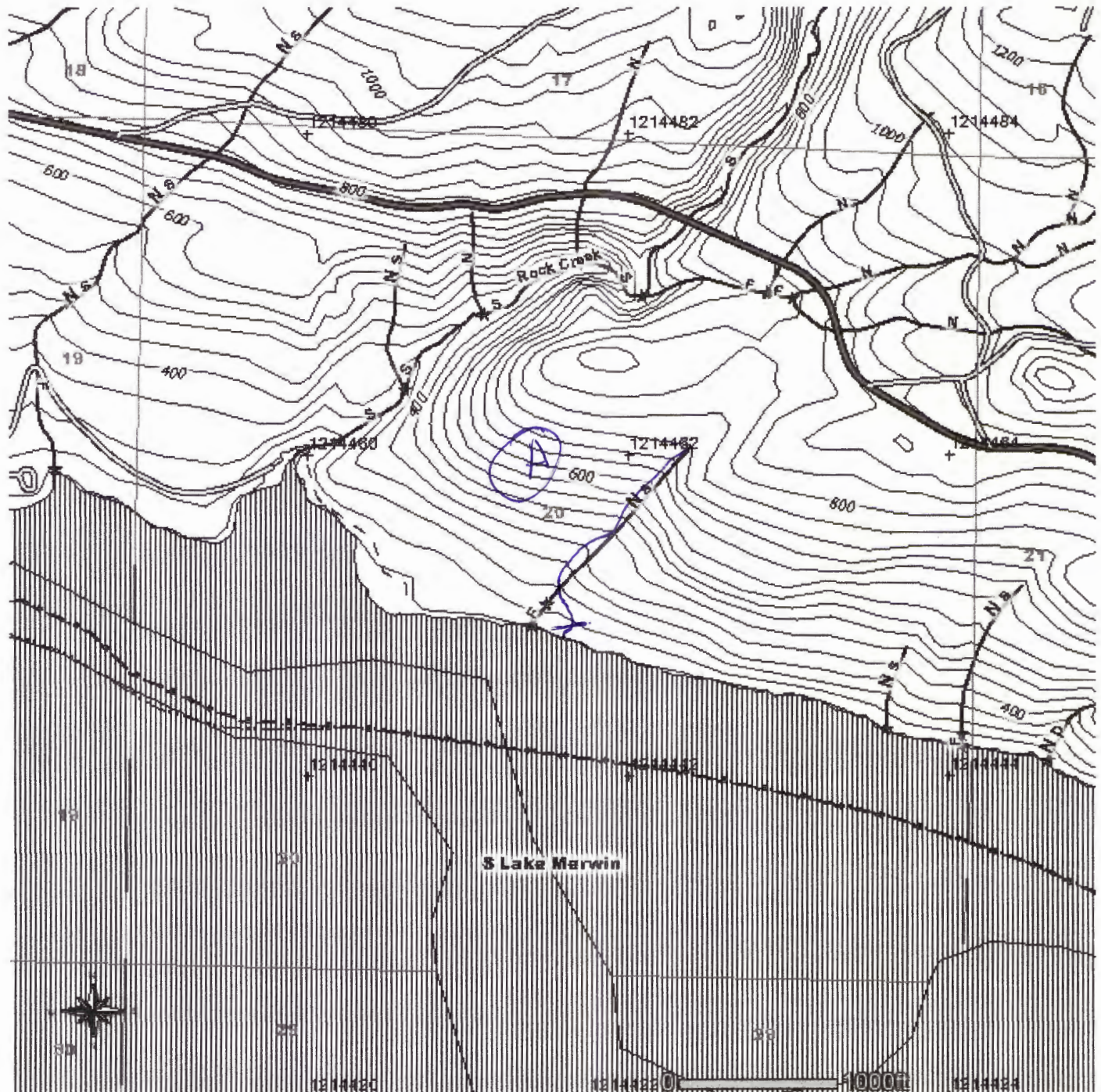
16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

GPSd to correct location.

FOREST PRACTICE ACTIVITY MAP

TOWNSHIP 6 NORTH HALF 0, RANGE 3 EAST (W.M.) HALF 0, SECTION 20

Application #: **PC-27-15-0117**



Please use the legend from the FPA Instruction or provide a list of symbols used.

 Stream break

5/29/2015, 1:06:55 PM
NAD 83
Contour Interval: 40 Feet

2015 Water Modification Forms
Unit 7 – Lewis River



| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0111 |
| Comment Due Date 7/8/2015 | | | |

DNR Office Summary

(For office use only)

| Name of Reviewers | Concur | Non-concur | Date Comment Received | | | |
|--------------------|-------------------------------------|------------|-----------------------|-------|--------------------|-------------------------------------|
| | | | Email | Phone | In Person | No Reply |
| DNR: Geoff Crosby | <input checked="" type="checkbox"/> | | | | 10-21-15 | |
| WDFW: Steve West | <input checked="" type="checkbox"/> | | | | <i>(Signature)</i> | |
| DOE: Rod Thysell | <input checked="" type="checkbox"/> | | | | 10/29/15 | |
| Tribe: Yakama | | | | | | <input checked="" type="checkbox"/> |
| Tribe: Cowlitz | | | | | | <input checked="" type="checkbox"/> |
| Tribe: | | | | | | |
| Other: | | | | | | |
| Other: Marty Acker | | | | | | <input checked="" type="checkbox"/> |

☒ DNR Concur

☐ DNR Non-concur

Justification:

Office reviewers name Mandie Willenberg Position NRT3 Date 6/8/2015

Proponent and reviewers notified of by *Mandie Willenberg* on 10/22/15
(Name) (Date)



WASHINGTON STATE DEPARTMENT OF
Natural Resources

Region Reference Number- DNR Use Only

Region WRIA Year Number

PC-27-15-0111

Received Date

Read instructions prior to filling out

Water Type Modification Form
(For changes to the Water Type Map)

| | | |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| * Proponent name Kirk Naylor <i>Kirk S Naylor</i> | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry <i>Joe Berry</i> | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☒ *Adding streams/lakes
☐ *Removing streams/lakes (describe in box 16)
☐ *Changing location of streams/lakes (describe in box 16)
- ☐ Changing water type
☐ Other. Describe _____

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID <i>T, N, M</i> | 2. Name of Water — | 3. Tributary To <i>Lake Mowat</i> | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) <i>NE 1/4 Sec 26, T6N, R3E</i> |
| 5. *County <i>Cowlitz</i> | 6. Water Type Shown on Map — | 7. Proposed Water Type <i>N5</i> | 8. *Date of Field Assessment <i>04/15/15</i> |
| 9. *Forest Practices Application Number(s) (if applicable) — | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (if you check this box attach ID team report) <input type="checkbox"/> Visual observation (if you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (if you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements (if you check this box fill out block 11-16) <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (if you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: _____ | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Below Normal Was there a drought warning issued by the DNR? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: _____ | | | |

TAM

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

| | |
|-------------------------------------------------------------------------------------------|--------------------------------------------|
| Number of bankfull width measurements _____ | Narrowest bankfull width measurement _____ |
| Widest bankfull width measurement _____ | Average bankfull width _____ |
| Lowest gradient _____ | Steepest gradient _____ |
| Average gradient _____ | Average wetted width _____ |
| Ponds and impoundments >0.5 acre <input type="checkbox"/> Yes <input type="checkbox"/> No | Number of protocol pools _____ |

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (attached survey information)
- ☐ The end of harvest or property boundary
- ☐ The junction of two or more streams
- Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
- ☐ The uppermost point of perennial flow. (describe in block 16)
- ☐ The last observed fish
- ☐ The upper extent of proposed fish habitat
- ☐ Physical characteristics
- ☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
- ☐ Unable to access
- ☐ Yes. Mark box(s) below
- ☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

- ☐ Temporary barriers (log jams)
- ☐ Man-made barriers. Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

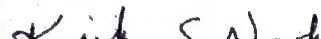

All streams are dry as of 04/15/15.

Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| <i>Region Reference Number- DNR Use Only</i> | | | |
|----------------------------------------------|-------------|-------------|---------------|
| <i>Region</i> | <i>WRIA</i> | <i>Year</i> | <i>Number</i> |
| PC | 27 | 15 | 0111 |
| Received Date | | | |

| | | |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| * Proponent name Kirk Naylor  | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 |
| | | Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry  | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 |
| | | Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☐ *Adding streams/lakes
☐ *Removing streams/lakes (describe in box 16)
☒ *Changing location of streams/lakes (describe in box 16)
- ☒ Changing water type
☐ Other. Describe _____

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID Q | 2. Name of Water _____ | 3. Tributary To Lake Mowin | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) SE NW Sec 26, T6N, R7E |
| 5. *County Cowlitz | 6. Water Type Shown on Map N | 7. Proposed Water Type F/Ns | 8. *Date of Field Assessment 04/15/15 |
| 9. *Forest Practices Application Number(s) (if applicable) _____ | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (if you check this box attach ID team report) <input checked="" type="checkbox"/> Visual observation (if you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (if you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements (if you check this box fill out block 11-16) <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input checked="" type="checkbox"/> Physical characteristics (if you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: _____ | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input checked="" type="checkbox"/> Normal <input checked="" type="checkbox"/> Below Normal | | | |
| Was there a drought warning issued by the DNR? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: _____ | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (attached survey information)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☒ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☒ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☒ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

Type break based on physicals. Stream grade increases over 25% with no pools. 10 foot + wide seep in place upstream of break.



WASHINGTON STATE DEPARTMENT OF
Natural Resources

Read instructions prior to filling out

Water Type Modification Form (For changes to the Water Type Map)

| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0111 |
| Received Date | | | |

| | | |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------|
| * Proponent name Kirk Naylor <i>Kirk S Naylor</i> | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 |
| | | Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry <i>Joe Berry</i> | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 |
| | | Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☐ *Adding streams/lakes
☐ *Removing streams/lakes (describe in box 16)
☒ *Changing location of streams/lakes (describe in box 16)
- ☒ Changing water type
☐ Other. Describe _____

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------|----------------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID <i>R</i> | 2. Name of Water <i>—</i> | 3. Tributary To <i>Lake Merwin</i> | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) <i>E 1/2, NW 1/4, Sec 26, T6N, R3E</i> |
| 5. *County | 6. Water Type Shown on Map <i>N</i> | 7. Proposed Water Type <i>F, NP, NS</i> | 8. *Date of Field Assessment <i>04/15/15</i> |
| 9. *Forest Practices Application Number(s) (if applicable) <i>—</i> | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (if you check this box attach ID team report) <input checked="" type="checkbox"/> Visual observation (if you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (if you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements (if you check this box fill out block 11-16) <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input checked="" type="checkbox"/> Physical characteristics (if you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: _____ | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input checked="" type="checkbox"/> Normal <input checked="" type="checkbox"/> Below Normal Was there a drought warning issued by the DNR? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: _____ | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (attached survey information)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☒ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☒ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☒ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.



16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

Entire stream dries up in summer, however, the first ~600' down to Lake Merwin "could" support fish. At ~600', stream climbs at over 50% for 40 feet. No fish habitat above break.



| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 011 |
| Received Date | | | |

Water Type Modification Form
(For changes to the Water Type Map)

| | | |
|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------|
| * Proponent name Kirk Naylor  | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 |
| Surveyor name (s) Joe Berry  | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Email address kirk.naylor@PacifiCorp.com |
| | | Telephone number (503) 660-8760 |
| | | Email address jberry@chiltonlogging.com |

☐ *Adding streams/lakes ☐ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☒ *Changing location of streams/lakes (describe in box 16)

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID 0 | 2. Name of Water — | 3. Tributary To Lake Merwin | 4. *Legal Description (1/4, 1/4 Section, Township, Range, EW) NW, NE Sec. 26 T6N, R3E |
| 5. *County Cowlitz | 6. Water Type Shown on Map N | 7. Proposed Water Type Ns/Np | 8. *Date of Field Assessment 04/15/15 |
| 9. *Forest Practices Application Number(s) (if applicable) — | | | |
| 10. Change is based on the following (check <u>all</u> that apply). | | | |
| Survey method: | | | |
| <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) | | | |
| <input type="checkbox"/> ID Team: (If you check this box attach ID team report) | | | |
| <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Incremental Measurements If you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Fish found List species found (if known) _____ | | | |
| <input type="checkbox"/> No fish found | | | |
| <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Channel is a public water diversion | | Distance from diversion _____ | |
| <input type="checkbox"/> Channel is a fish hatchery diversion | | Hatchery name _____ | |
| | | Distance downstream from hatchery _____ | |
| <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. | | | |
| Describe: | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Below Normal | | | |
| Was there a drought warning issued by the DNR? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

| | |
|-------------------------------------------------------------------------------------------|--------------------------------------------|
| Number of bankfull width measurements _____ | Narrowest bankfull width measurement _____ |
| Widest bankfull width measurement _____ | Average bankfull width _____ |
| Lowest gradient _____ | Steepest gradient _____ |
| Average gradient _____ | Average wetted width _____ |
| Ponds and impoundments >0.5 acre <input type="checkbox"/> Yes <input type="checkbox"/> No | Number of protocol pools _____ |

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (attached survey information)
- ☐ The end of harvest or property boundary
- ☐ The junction of two or more streams
- Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
- ☐ The uppermost point of perennial flow. (describe in block 16)
- ☐ The last observed fish
- ☐ The upper extent of proposed fish habitat
- ☐ Physical characteristics
- ☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
- ☐ Unable to access
- ☐ Yes. Mark box(s) below
- ☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.
Length _____ Height _____ Gradient _____

- ☐ Temporary barriers (log jams)
- ☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No
Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?



- ☐ No
- ☐ Yes. Estimate when the event occurred _____
Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

As of 05/01/15, stream north of road is completely dry.

Read instructions prior to filling out

Water Type Modification Form
(For changes to the Water Type Map)

| | | |
|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------|
| * Proponent name Kirk Naylor  | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 |
| | | Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry  | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 |
| | | Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☐ *Adding streams/lakes
☐ *Removing streams/lakes (describe in box 16)
☒ *Changing location of streams/lakes (describe in box 16)
- ☒ Changing water type
☐ Other. Describe _____

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID L | 2. Name of Water — | 3. Tributary To Lake Merwin | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) SE, NE, Sec. 26, T6N, R3E |
| 5. *County Cowlitz | 6. Water Type Shown on Map N | 7. Proposed Water Type Ns | 8. *Date of Field Assessment 04/15/15 |
| 9. *Forest Practices Application Number(s) (if applicable) — | | | |
| 10. Change is based on the following (check <u>all</u> that apply). | | | |
| Survey method: | | | |
| <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; If report addresses information in block 11-16 no need to fill in these blocks) | | | |
| <input type="checkbox"/> ID Team: (If you check this box attach ID team report) | | | |
| <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Incremental Measurements (If you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Fish found List species found (if known) _____ | | | |
| <input type="checkbox"/> No fish found | | | |
| <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Channel is a public water diversion | | Distance from diversion _____ | |
| <input type="checkbox"/> Channel is a fish hatchery diversion | | Hatchery name _____ | |
| | | Distance downstream from hatchery _____ | |
| <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. | | | |
| Describe: | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Below Normal | | | |
| Was there a drought warning issued by the DNR? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (attached survey information)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☐ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

Stream dries up in summer. Moved to correct location.



WASHINGTON STATE DEPARTMENT OF
Natural Resources

Read instructions prior to filling out

Water Type Modification Form
(For changes to the Water Type Map)

| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0111 |
| Received Date | | | |

| | | |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| * Proponent name Kirk Naylor <i>Kirk S Naylor</i> | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry <i>Joe Berry</i> | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☒ *Adding streams/lakes
☐ *Removing streams/lakes (describe in box 16)
☐ *Changing location of streams/lakes (describe in box 16)
- ☐ Changing water type
☐ Other. Describe _____

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID <i>K</i> | 2. Name of Water — | 3. Tributary To <i>Lake Merwin</i> | 4. *Legal Description (1/4, 1/4 Section, Township, Range, EW) <i>SE, NE Sec 26, T6N, R3E</i> |
| 5. *County <i>Cowlitz</i> | 6. Water Type Shown on Map — | 7. Proposed Water Type <i>N</i> | 8. *Date of Field Assessment <i>04/15/15</i> |
| 9. *Forest Practices Application Number(s) (if applicable) — | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (If you check this box attach ID team report) <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: _____ | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Below Normal Was there a drought warning issued by the DNR? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: _____ | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (*attached survey information*)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☐ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers. Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

the Calling stream an "N" because there's not enough evidence to indicate N_p or N_s



WASHINGTON STATE DEPARTMENT OF
Natural Resources

Region Reference Number- DNR Use Only

Region WRIA Year Number

PC-27-15-0111

Received Date

Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| | | |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| * Proponent name Kirk Naylor <i>Kirk S Naylor</i> | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry <i>Joe Berry</i> | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☐ *Adding streams/lakes ☐ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☒ *Changing location of streams/lakes (describe in box 16)

| | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID <i>P</i> | 2. Name of Water <i>—</i> | 3. Tributary To <i>Lake Merwin</i> | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) <i>NE 1/4, Sec. 26, T6N, R3E</i> |
| 5. *County <i>Cowlitz</i> | 6. Water Type Shown on Map <i>N</i> | 7. Proposed Water Type <i>N</i> | 8. *Date of Field Assessment <i>04/15/15</i> |
| 9. *Forest Practices Application Number(s) (if applicable) | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; If report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (If you check this box attach ID team report) <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements If you check this box fill out block 11-16) <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: _____ | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Below Normal Was there a drought warning issued by the DNR? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: _____ | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

| | |
|-------------------------------------------------------------------------------------------|--------------------------------------------|
| Number of bankfull width measurements _____ | Narrowest bankfull width measurement _____ |
| Widest bankfull width measurement _____ | Average bankfull width _____ |
| Lowest gradient _____ | Steepest gradient _____ |
| Average gradient _____ | Average wetted width _____ |
| Ponds and impoundments >0.5 acre <input type="checkbox"/> Yes <input type="checkbox"/> No | Number of protocol pools _____ |

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (attached survey information)
- ☐ The end of harvest or property boundary
- ☐ The junction of two or more streams
- Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
- ☐ The uppermost point of perennial flow. (describe in block 16)
- ☐ The last observed fish
- ☐ The upper extent of proposed fish habitat
- ☐ Physical characteristics
- ☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
- ☐ Unable to access
- ☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers. Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)



28' + grade from Lake to stream creates barrier for fish, therefore, "N" the entire stream. Not enough evidence to change to "Np" or "Ns".

| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0111 |
| Received Date | | | |

Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| | | |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------|
| * Proponent name  Kirk S. Naylor | Organization name and address PacifiCorp Energy 825 NE Multnomah, Ste 1500 Portland, OR 97232 | Telephone number (503) 813-6619 |
| | | Email address Kirk.naylor@pacifiCorp.com |
| Surveyor name (s) Joe Barry  | Organization name and address Chilton Logging Inc 1760 Down River Dr. Woodland, WA 98674 | Telephone number (509) 660-8760 |
| | | Email address jbarry@chiltonlogging.com |

Check applicable boxes:

- ☐ *Adding streams/lakes ☒ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☒ *Changing location of streams/lakes (describe in box 16)

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID <u>J</u> | 2. Name of Water — | 3. Tributary To <u>Lake Merwin</u> | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) <u>SE, NE Sec 26 T6N, R3E</u> |
| 5. *County <u>Cowlitz</u> | 6. Water Type Shown on Map <u>N</u> | 7. Proposed Water Type <u>N / N_s</u> | 8. *Date of Field Assessment <u>04/15/15</u> |
| 9. *Forest Practices Application Number(s) (if applicable) — | | | |
| 10. Change is based on the following (check <u>all</u> that apply). | | | |
| Survey method: | | | |
| <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) | | | |
| <input type="checkbox"/> ID Team: (if you check this box attach ID team report) | | | |
| <input type="checkbox"/> Visual observation (if you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Random Measurements (if you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Incremental Measurements (if you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Fish found List species found (if known) _____ | | | |
| <input type="checkbox"/> No fish found | | | |
| <input type="checkbox"/> Physical characteristics (if you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Channel is a public water diversion | | Distance from diversion _____ | |
| <input type="checkbox"/> Channel is a fish hatchery diversion | | Hatchery name _____ | |
| | | Distance downstream from hatchery _____ | |
| <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. | | | |
| Describe: | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Below Normal | | | |
| Was there a drought warning issued by the DNR? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

| | |
|-------------------------------------------------------------------------------------------|--------------------------------------------|
| Number of bankfull width measurements _____ | Narrowest bankfull width measurement _____ |
| Widest bankfull width measurement _____ | Average bankfull width _____ |
| Lowest gradient _____ | Steepest gradient _____ |
| Average gradient _____ | Average wetted width _____ |
| Ponds and impoundments >0.5 acre <input type="checkbox"/> Yes <input type="checkbox"/> No | Number of protocol pools _____ |

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (attached survey information)
- ☐ The end of harvest or property boundary
- ☐ The junction of two or more streams
- Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
- ☐ The uppermost point of perennial flow. (describe in block 16)
- ☐ The last observed fish
- ☐ The upper extent of proposed fish habitat
- ☐ Physical characteristics
- ☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
- ☐ Unable to access
- ☐ Yes. Mark box(s) below
- ☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers. Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

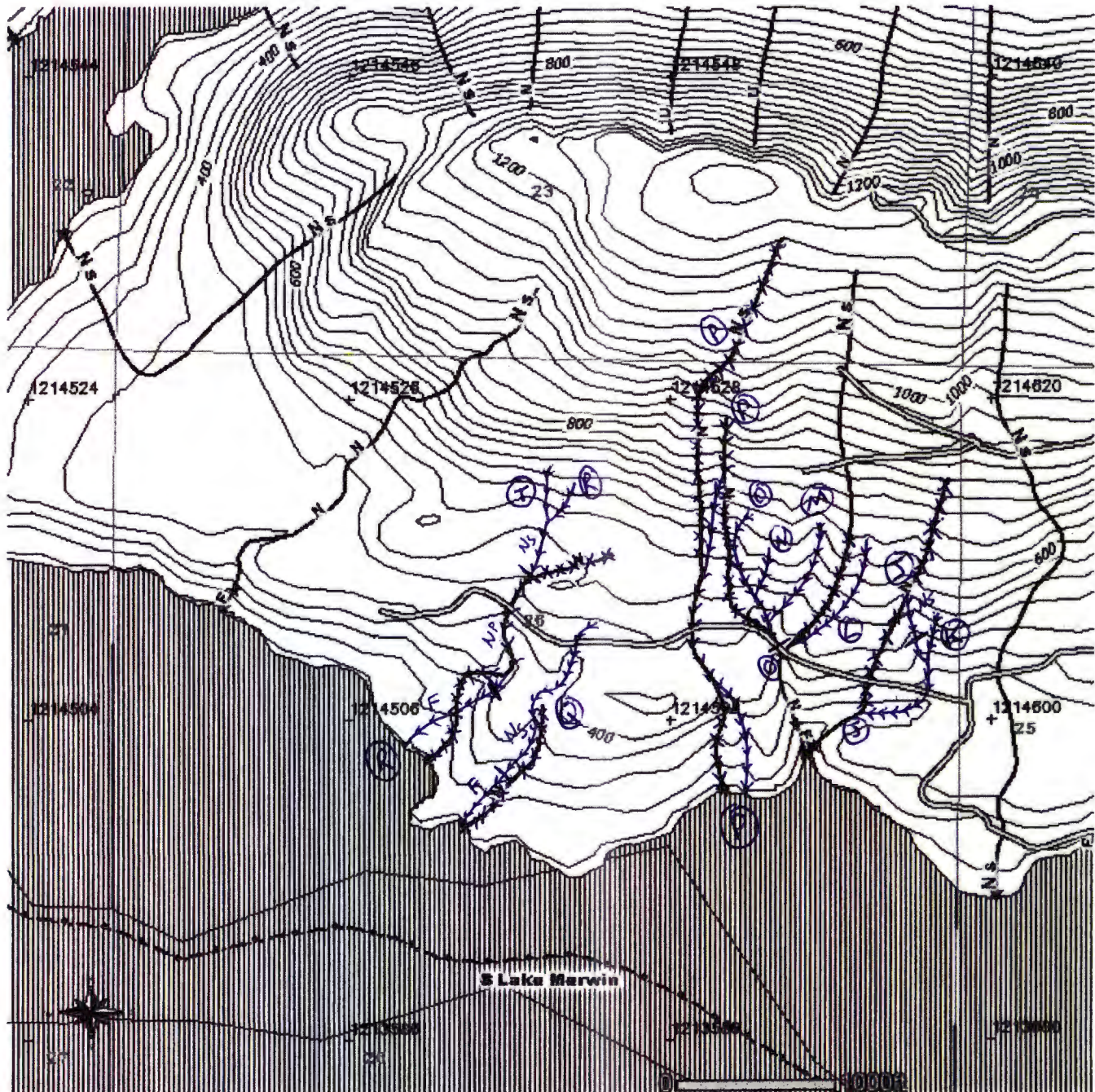
Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

Corrected location. Stream is dry as of 04/15/15 for last 300-400' stretch.

FOREST PRACTICE ACTIVITY MAP

TOWNSHIP 6 NORTH HALF 0, RANGE 3 EAST (W.M.) HALF 0, SECTION 26

Application #: **PC-27-15-0111**

Please use the legend from the FPA Instruction or provide a list of symbols used.

 stream break4/21/2015, 3:01:40 PM
NAD 83
Contour Interval: 40 Feet

2015 Water Modification Forms
Unit 8 – Lewis River



| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0113 |
| Comment Due Date 7/8/2015 | | | |

DNR Office Summary

(For office use only)

| Name of Reviewers | Concur | Non-concur | Date Comment Received | | | |
|--------------------|-------------------------------------|------------|-----------------------|-------|------------|-------------------------------------|
| | | | Email | Phone | In Person | No Reply |
| DNR: Geoff Crosby | <input checked="" type="checkbox"/> | | | | 10-21-15 | |
| WDFW: Steve West | <input checked="" type="checkbox"/> | | | | <i>Pat</i> | |
| DOE: Rod Thysell | <input checked="" type="checkbox"/> | | | | 10/20/15 | |
| Tribes: Yakama | | | | | | <input checked="" type="checkbox"/> |
| Tribes: Cowlitz | | | | | | <input checked="" type="checkbox"/> |
| Tribes: | | | | | | |
| Other: | | | | | | |
| Other: Marty Acker | | | | | | <input checked="" type="checkbox"/> |

☒ DNR Concur

☐ DNR Non-concur

Justification:

Office reviewers name Mandie Willenberg Position NRT3 Date 6/8/2015



Proponent and reviewers notified of by *Mandie Willenberg* on 10/22/15
(Name) (Date)



| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0113 |
| Received Date | | | |

Water Type Modification Form

(For changes to the Water Type Map)

| | | |
|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------|
| * Proponent name Kirk Naylor  | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 |
| | | Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry  | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 |
| | | Email address jberry@chiltonlogging.com |

☐ *Adding streams/lakes ☐ Changing water type
☒ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☐ *Changing location of streams/lakes (describe in box 16)

| | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID <u>D</u> | 2. Name of Water <u> </u> | 3. Tributary To <u>Lake Mevin</u> | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) <u>NE, SW, Sec 25, T6N, R3E</u> |
| 5. *County <u>Clark</u> | 6. Water Type Shown on Map <u>Ns</u> | 7. Proposed Water Type <u> </u> | 8. *Date of Field Assessment <u>04/15/15</u> |
| 9. *Forest Practices Application Number(s) (if applicable) <u> </u> | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (If you check this box attach ID team report) <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements If you check this box fill out block 11-16 <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: _____ | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input type="checkbox"/> Below Normal | | | |
| Was there a drought warning issued by the DNR? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (*attached survey information*)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☐ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

Stream channelizes but disappears 200' before the lake.
 No evidence of it going subsurface.



PC-27-15-0113

Received Date

Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| | | |
|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------|
| * Proponent name Kirk Naylor  | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 |
| | | Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry  | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 |
| | | Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☐ *Adding streams/lakes ☐ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☒ *Changing location of streams/lakes (describe in box 16)

| | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID G | 2. Name of Water — | 3. Tributary To Lake Merwin | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) SE, SE Sec. 25, T6N, R3E |
| 5. *County Clark | 6. Water Type Shown on Map Ns | 7. Proposed Water Type Ns | 8. *Date of Field Assessment 04/15/15 |
| 9. *Forest Practices Application Number(s) (if applicable) — | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (If you check this box attach ID team report) <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements If you check this box fill out block 11-16 <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: _____ | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input type="checkbox"/> Below Normal | | | |
| Was there a drought warning issued by the DNR? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: _____ | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (*attached survey information*)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☐ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

showing stream in its correct location



Read instructions prior to filling out

Water Type Modification Form (For changes to the Water Type Map)

| | | |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| * Proponent name Kirk Naylor <i>Kirk S Naylor</i> | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry <i>Joe Berry</i> | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☒ *Adding streams/lakes ☐ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☐ *Changing location of streams/lakes (describe in box 16)

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID <i>H, I</i> | 2. Name of Water <i>—</i> | 3. Tributary To <i>Lake Oswego</i> | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) <i>SE, SE Sec. 25, T6N, R3E</i> |
| 5. *County <i>Clark</i> | 6. Water Type Shown on Map <i>—</i> | 7. Proposed Water Type <i>Ns</i> | 8. *Date of Field Assessment <i>04/15/15</i> |
| 9. *Forest Practices Application Number(s) (if applicable) <i>—</i> | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (If you check this box attach ID team report) <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input type="checkbox"/> Below Normal Was there a drought warning issued by the DNR? <input type="checkbox"/> Yes <input type="checkbox"/> No Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: | | | |



Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| | | |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| * Proponent name Kirk Naylor <i>Kirk S Naylor</i> | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry <i>Joe Berry</i> | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☐ *Adding streams/lakes ☐ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☒ *Changing location of streams/lakes (describe in box 16)

| | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID <i>E</i> | 2. Name of Water <i>—</i> | 3. Tributary To <i>Lake Mowich</i> | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) <i>NE, SW Sec. 25, T6N, R3E</i> |
| 5. *County <i>Clatsop</i> | 6. Water Type Shown on Map <i>Ns</i> | 7. Proposed Water Type <i>Ns</i> | 8. *Date of Field Assessment <i>04/15/15</i> |
| 9. *Forest Practices Application Number(s) (if applicable) <i>—</i> | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (If you check this box attach ID team report) <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input type="checkbox"/> Below Normal Was there a drought warning issued by the DNR? <input type="checkbox"/> Yes <input type="checkbox"/> No Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (*attached survey information*)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☐ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

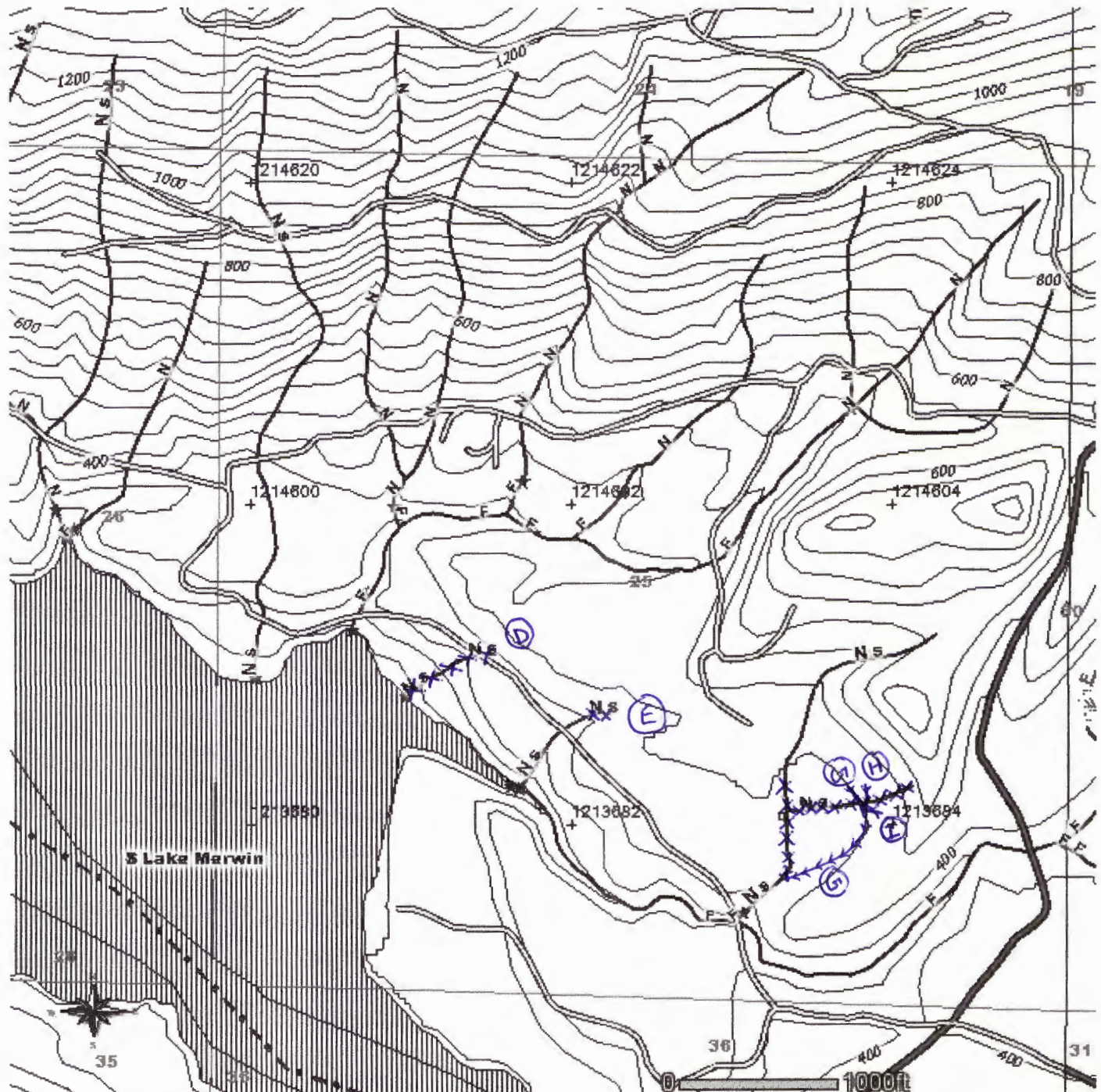
Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

Deleting a small portion of stream segment that doesn't exist.

TOWNSHIP 6 NORTH HALF 0, RANGE 3 EAST (W.M.) HALF 0, SECTION 26⁵

Application #: **PC-27-15-0113**



Please use the legend from the FPA Instruction or provide a list of symbols used.

4/21/2015, 2:33:12 PM
NAD 83
Contour Interval: 40 Feet



| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0114 |
| Comment Due Date 7/8/2015 | | | |

DNR Office Summary

(For office use only)

| Name of Reviewers | Concur | Non-concur | Date Comment Received | | | |
|--------------------|---------|------------|-----------------------|-------|-----------|----------|
| | | | Email | Phone | In Person | No Reply |
| DNR: Scott Hancock | ✓ | | | | | |
| WDFW: Sam Kolb | ✓ | | | | 8-20-15 | |
| DOE: Rod Thysell | 7-13-15 | | ✓ | | | |
| Tribe: Yakama | | | | | | ✓ |
| Tribe: Cowlitz | | | | | | ✓ |
| Tribe: | | | | | | |
| Other: | | | | | | |
| Other: Marty Acker | | | | | | ✓ |

☒ DNR Concur

☐ DNR Non-concur

Justification:

Office reviewers name Mandie Willenberg Position NRT3 Date 6/8/2015

Proponent and reviewers notified of by Mandie Willenberg on 10/22/15
(Name) (Date)

CHANDLER, BRUCE (DNR)

From: HANCOCK, SCOTT (DNR)
Sent: Thursday, August 06, 2015 1:51 PM
To: DNR RE FPAN-PC
Subject: FW: Water Type Modification Requests

Below is the email from Rod Thysell concurring with these five WTMF's. Thanks

<PC-27-15-0068.pdf>

<PC-27-15-0069.pdf>

<PC-27-15-0114.pdf>

<PC-28-15-0065.pdf>

<PC-28-15-0099.pdf>

From: Thysell, Rod (ECY)
Sent: Monday, July 13, 2015 2:27 PM
To: HANCOCK, SCOTT (DNR)
Cc: Kolb, Samuel S (DFW); Greg Morris (morg@yakamafish-nsn.gov); martin_acker@fws.gov; Shannon Wills
Subject: Re: Water Type Modification Requests

I've reviewed these 5 WTMs Scott and I concur with them.

Thanks,

Rod

Sent from my iPhone

On Jul 8, 2015, at 11:48 AM, HANCOCK, SCOTT (DNR) <SCOTT.HANCOCK@dnr.wa.gov> wrote:

Hello-

I am trying to clean up some Water Type Modification Requests since we won't be meeting as group for a while. Please review the attached requests and let me know if you concur, would like to do a site visit or have any comments. All five of these look pretty straight forward to me, adding, removing and changing the location of streams. Please take a look and get back to me by July 24th. Thanks

Scott Hancock
Forest Practices Forester, Washougal Unit
Pacific Cascade Region
Washington State Department of Natural Resources (DNR)
Office: 360-577-2025
Cell: 360-608-9294

<PC-27-15-0068.pdf>

<PC-27-15-0069.pdf>



<PC-27-15-0114.pdf>

Received Date

Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| | | |
|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------|
| * Proponent name  Kirk S Naylor | Organization name and address PacificCorp Energy 825 NE Multnomah, Ste 1500 Portland, OR 97232 | Telephone number (503) 913-6619 |
| | | Email address Kirk.naylor@pacificcorp.com |
| Surveyor name (s) Joe Berry  | Organization name and address Chilton Logging Inc 17600 Dawn River Dr. Woodland, WA 98674 | Telephone number (509) 660-8760 |
| | | Email address jberry@chiltonlogging.com |

Check applicable boxes:

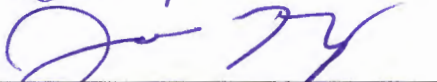
- ☐ *Adding streams/lakes ☐ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☒ *Changing location of streams/lakes (describe in box 16)

| | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------|--|
| 1. *Water Segment ID AA | 2. Name of Water — | 3. Tributary To Lake Merwin | 4. *Legal Description (1/4, 1/4 Section, Township, Range, EW) NW, SE Sec. 25, T6N, R2E | |
| 5. *County Clark | 6. Water Type Shown on Map Np | 7. Proposed Water Type Np | 8. *Date of Field Assessment 04/15/15 | |
| 9. *Forest Practices Application Number(s) (if applicable) — | | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (If you check this box attach ID team report) <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements If you check this box fill out block 11-16 <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: _____ | | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input type="checkbox"/> Below Normal | | | | |
| Was there a drought warning issued by the DNR? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: _____ | | | | |

Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| | | |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| * Proponent name <i>Kirk S Naylor</i> Kirk S Naylor | Organization name and address <i>Pacific Corp Energy</i> 825 NE Multnomah, Ste 1500 Portland, OR 97232 | Telephone number (503) 813-6619 Email address <i>Kirk.Naylor@pacificcorp.com</i> |
| Surveyor name (s) <i>Joe Berry</i>  | Organization name and address <i>Chilton Logging Inc</i> 1760 Down River Dr. Woodland, WA 98674 | Telephone number (509) 660-8760 Email address <i>jberry@chiltonlogging.com</i> |

Check applicable boxes:

- ☒ *Adding streams/lakes ☐ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☐ *Changing location of streams/lakes (describe in box 16)

| | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------|
| 1. *Water Segment ID BB, CC, DD, EE | 2. Name of Water _____ | 3. Tributary To Lake Merwin | 4. *Legal Description (1/4, 1/4 Section, Township, Range, EW) NW, SE Sec. 25, T6N, R2E |
| 5. *County Clark | 6. Water Type Shown on Map _____ | 7. Proposed Water Type NP | 8. *Date of Field Assessment 04/15/15 |
| 9. *Forest Practices Application Number(s) (if applicable) _____ | | | |
| 10. Change is based on the following (check <u>all</u> that apply). | | | |
| Survey method: | | | |
| <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) | | | |
| <input type="checkbox"/> ID Team: (If you check this box attach ID team report) | | | |
| <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Incremental Measurements If you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Fish found List species found (if known) _____ | | | |
| <input type="checkbox"/> No fish found | | | |
| <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Channel is a public water diversion | | Distance from diversion _____ | |
| <input type="checkbox"/> Channel is a fish hatchery diversion | | Hatchery name _____ | |
| | | Distance downstream from hatchery _____ | |
| <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. | | | |
| Describe: | | | |
| | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input type="checkbox"/> Below Normal | | | |
| Was there a drought warning issued by the DNR? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) | | | |
| If yes, describe: | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (*attached survey information*)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☐ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

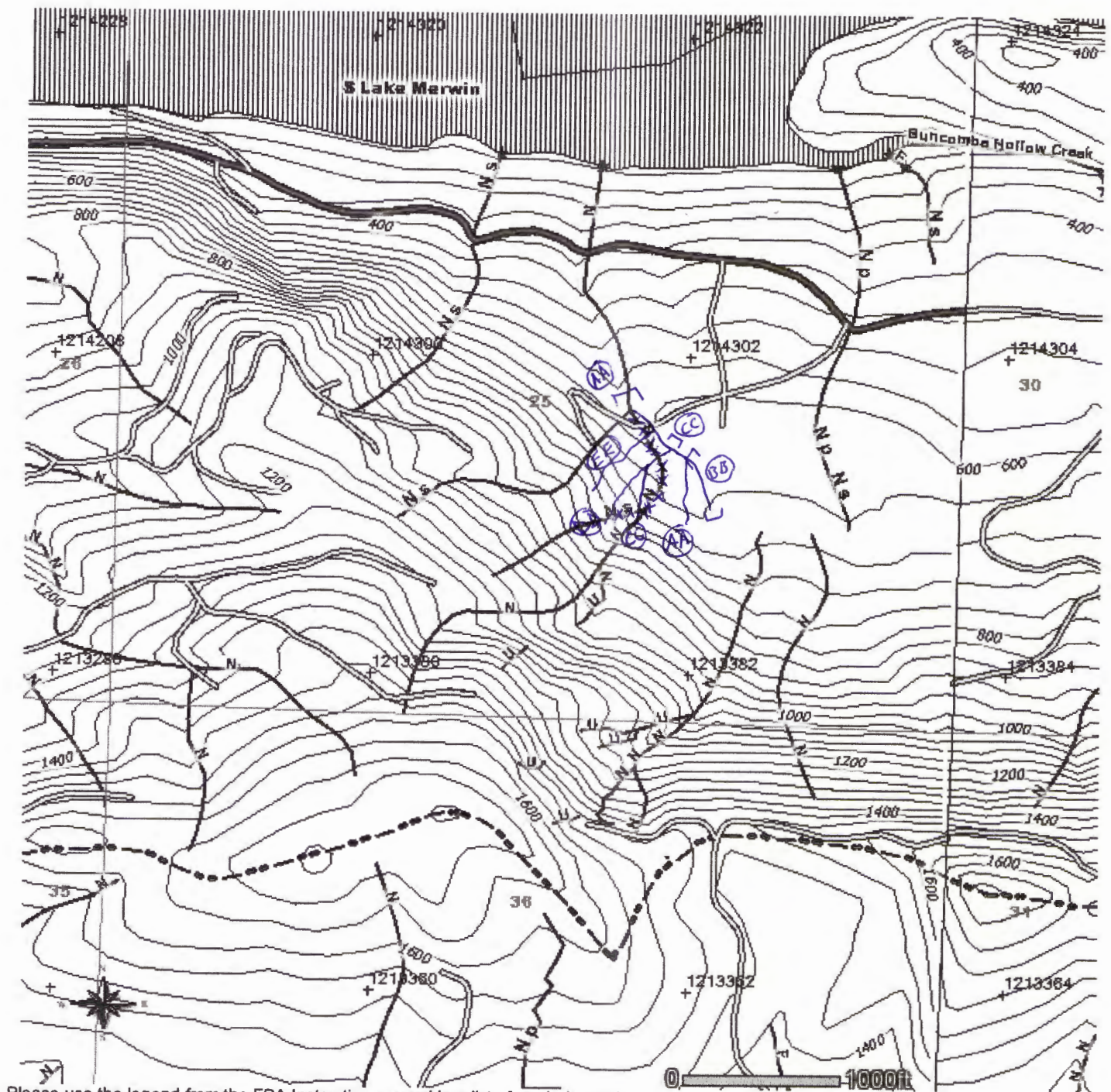
Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

All streams are upstream of Non-fish (PC27140132)

TOWNSHIP 6 NORTH HALF 0, RANGE 2 EAST (W.M.) HALF 0, SECTION 25

Application #: **PC-27-15-0114**



Please use the legend from the FPA Instruction or provide a list of symbols used.

4/21/2015, 3:32:03 PM
NAD 83
Contour Interval: 40 Feet



| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0114 |
| Comment Due Date 7/8/2015 | | | |

DNR Office Summary

(For office use only)

| Name of Reviewers | Concur | Non-concur | Date Comment Received | | | |
|--------------------|---------|------------|-----------------------|-------|-----------|----------|
| | | | Email | Phone | In Person | No Reply |
| DNR: Scott Hancock | ✓ | | | | | |
| WDFW: Sam Kolb | ✓ | | | | 8-20-15 | |
| DOE: Rod Thysell | 7-13-15 | | ✓ | | | |
| Tribe: Yakama | | | | | | ✓ |
| Tribe: Cowlitz | | | | | | ✓ |
| Tribe: | | | | | | |
| Other: | | | | | | |
| Other: Marty Acker | | | | | | ✓ |

☒ DNR Concur

☐ DNR Non-concur

Justification:

Office reviewers name Mandie Willenberg Position NRT3 Date 6/8/2015

Proponent and reviewers notified of by Mandie Willenberg on 10/22/15
(Name) (Date)

CHANDLER, BRUCE (DNR)

From: HANCOCK, SCOTT (DNR)
Sent: Thursday, August 06, 2015 1:51 PM
To: DNR RE FPAN-PC
Subject: FW: Water Type Modification Requests

Below is the email from Rod Thysell concurring with these five WTMF's. Thanks

<PC-27-15-0068.pdf>

<PC-27-15-0069.pdf>

<PC-27-15-0114.pdf>

<PC-28-15-0065.pdf>

<PC-28-15-0099.pdf>

From: Thysell, Rod (ECY)
Sent: Monday, July 13, 2015 2:27 PM
To: HANCOCK, SCOTT (DNR)
Cc: Kolb, Samuel S (DFW); Greg Morris (morg@yakamafish-nsn.gov); martin_acker@fws.gov; Shannon Wills
Subject: Re: Water Type Modification Requests

I've reviewed these 5 WTMs Scott and I concur with them.

Thanks,

Rod

Sent from my iPhone

On Jul 8, 2015, at 11:48 AM, HANCOCK, SCOTT (DNR) <SCOTT.HANCOCK@dnr.wa.gov> wrote:

Hello-

I am trying to clean up some Water Type Modification Requests since we won't be meeting as group for a while. Please review the attached requests and let me know if you concur, would like to do a site visit or have any comments. All five of these look pretty straight forward to me, adding, removing and changing the location of streams. Please take a look and get back to me by July 24th. Thanks

Scott Hancock
Forest Practices Forester, Washougal Unit
Pacific Cascade Region
Washington State Department of Natural Resources (DNR)
Office: 360-577-2025
Cell: 360-608-9294

<PC-27-15-0068.pdf>

<PC-27-15-0069.pdf>

<PC-27-15-0114.pdf>

| Region | WRIA | Year | Number |
|--------|------|------|--------|
| PC | 27 | 15 | 0114 |

Received Date

Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| | | |
|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| <p>* Proponent name</p> <p><i>Kirk S Naylor</i> Kirk S Naylor</p> | <p>Organization name and address</p> <p><i>PacificCorp Energy</i> 825 NE Multnomah, Ste 1500 Portland, OR 97232</p> | <p>Telephone number</p> <p>(503) 913-6619</p> <p>Email address</p> <p><i>Kirk.naylor@pacificcorp.com</i></p> |
| <p>Surveyor name (s)</p> <p><i>Joe Berry</i> <i>Joe TB</i></p> | <p>Organization name and address</p> <p><i>Chilton Logging Inc</i> 17600 Down River Dr. Woodland, WA 98674</p> | <p>Telephone number</p> <p>(509) 660-8760</p> <p>Email address</p> <p><i>jberry@chiltonlogging.com</i></p> |

Check applicable boxes:


- ☐ *Adding streams/lakes ☐ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☒ *Changing location of streams/lakes (describe in box 16)

| | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------|--|
| 1. *Water Segment ID AA | 2. Name of Water — | 3. Tributary To Lake Merwin | 4. *Legal Description (1/4, 1/4 Section, Township, Range, EW) NW, SE Sec. 25, T6N, R2E | |
| 5. *County Clark | 6. Water Type Shown on Map Np | 7. Proposed Water Type Np | 8. *Date of Field Assessment 04/15/15 | |
| 9. *Forest Practices Application Number(s) (if applicable) — | | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (If you check this box attach ID team report) <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements If you check this box fill out block 11-16 <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: _____ | | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input type="checkbox"/> Below Normal | | | | |
| Was there a drought warning issued by the DNR? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: | | | | |

Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| | | |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| * Proponent name <i>Kirk S Naylor</i> Kirk S Naylor | Organization name and address <i>Pacific Corp Energy</i> 825 NE Multnomah, Ste 1500 Portland, OR 97232 | Telephone number (503) 813-6619 Email address <i>Kirk.Naylor@pacificcorp.com</i> |
| Surveyor name (s) <i>Joe Berry</i>  | Organization name and address <i>Chilton Logging Inc</i> 1760 Down River Dr. Woodland, WA 98674 | Telephone number (509) 660-8760 Email address <i>jberry@chiltonlogging.com</i> |

Check applicable boxes:

- ☒ *Adding streams/lakes ☐ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☐ *Changing location of streams/lakes (describe in box 16)

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------|
| 1. *Water Segment ID BB, CC, DD, EE | 2. Name of Water _____ | 3. Tributary To Lake Mewin | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) NW, SE Sec. 25, T6N, R2E |
| 5. *County Clark | 6. Water Type Shown on Map _____ | 7. Proposed Water Type NP | 8. *Date of Field Assessment 04/15/15 |
| 9. *Forest Practices Application Number(s) (if applicable) _____ | | | |
| 10. Change is based on the following (check <u>all</u> that apply). | | | |
| Survey method: | | | |
| <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) | | | |
| <input type="checkbox"/> ID Team: (If you check this box attach ID team report) | | | |
| <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Incremental Measurements If you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Fish found List species found (if known) _____ | | | |
| <input type="checkbox"/> No fish found | | | |
| <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Channel is a public water diversion | | Distance from diversion _____ | |
| <input type="checkbox"/> Channel is a fish hatchery diversion | | Hatchery name _____ | |
| | | Distance downstream from hatchery _____ | |
| <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. | | | |
| Describe: | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input type="checkbox"/> Below Normal | | | |
| Was there a drought warning issued by the DNR? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (*attached survey information*)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☐ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

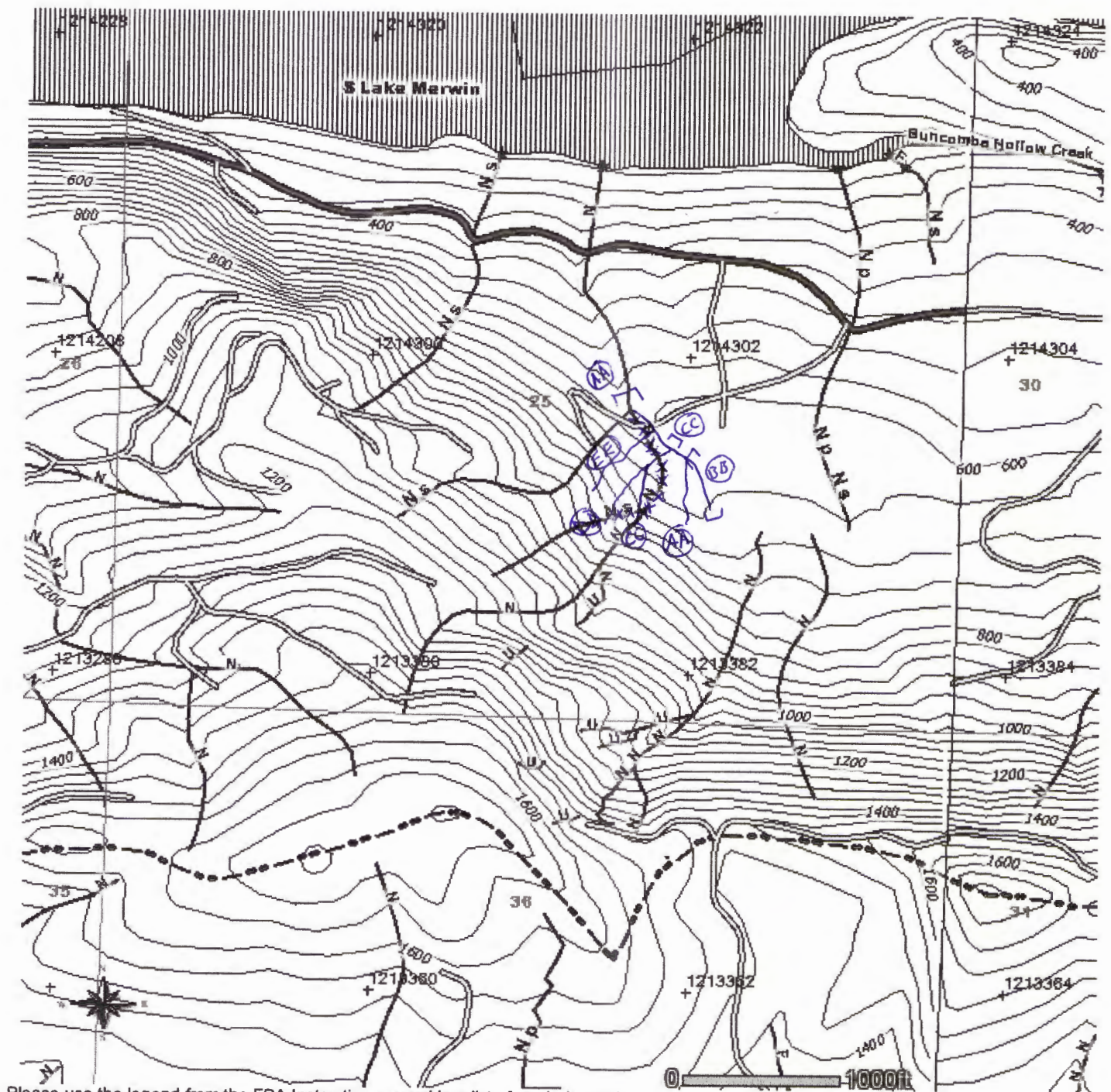
Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

All streams are upstream of Non-fish (PC27140132)

TOWNSHIP 6 NORTH HALF 0, RANGE 2 EAST (W.M.) HALF 0, SECTION 25

Application #: **PC-27-15-0114**



Please use the legend from the FPA Instruction or provide a list of symbols used.

4/21/2015, 3:32:03 PM
NAD 83
Contour Interval: 40 Feet

2015 Water Modification Forms
Unit 4 – Lewis River



| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0108 |
| Comment Due Date 6/2/2015 | | | |

DNR Office Summary

(For office use only)

| Name of Reviewers | Concur | Non-concur | Date Comment Received | | | |
|--------------------|-------------------------------------|------------|-----------------------|-------|-------------------------------------|-------------------------------------|
| | | | Email | Phone | In Person | No Reply |
| DNR: Geoff Crosby | <input checked="" type="checkbox"/> | | | | 10-21-15 | |
| WDFW: Steve West | <input checked="" type="checkbox"/> | | | | <input checked="" type="checkbox"/> | |
| DOE: Rod Thysell | <input checked="" type="checkbox"/> | | | | 10/20/15 | |
| Tribe: Yakama | | | | | | <input checked="" type="checkbox"/> |
| Tribe: Cowlitz | | | | | | <input checked="" type="checkbox"/> |
| Tribe: | | | | | | |
| Other: | | | | | | |
| Other: Marty Acker | | | | | | <input checked="" type="checkbox"/> |

☒ DNR Concur

☐ DNR Non-concur

Justification:

Office reviewers name Mandie Willenberg Position NRT3 Date 06/05/2015

Proponent and reviewers notified of by Mandie Willenberg on 10/22/15
(Name) (Date)



WASHINGTON STATE DEPARTMENT OF
Natural Resources

Region Reference Number- DNR Use Only

Region WRIA Year Number
PC-27-15-0108

Received Date

Read instructions prior to filling out

Water Type Modification Form
(For changes to the Water Type Map)

| | | |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| * Proponent name Kirk S. Naylor Kirk S. Naylor | Organization name and address Pacifi Corp Energy 225 NE Multnomah, Ste 1500 Portland, OR 97232 | Telephone number (503) 813-6619 Email address Kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry | Organization name and address Chilton Logging Inc. 1760 Down River Dr. Woodland, WA 98664 | Telephone number (503) 660-8760 Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☐ *Adding streams/lakes
☐ *Removing streams/lakes (describe in box 16)
☒ *Changing location of streams/lakes (describe in box 16)
☐ Changing water type
☐ Other. Describe _____

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------|----------------------------------------------------------------------------------------------|
| 1. *Water Segment ID A, B | 2. Name of Water _____ | 3. Tributary To Lake Meakin | 4. *Legal Description (1/4, 1/4 Section, Township, Range, EW) SW, SE Sec. 19 T6N, R3E (B) |
| 5. *County Cowlitz | 6. Water Type Shown on Map Ns | 7. Proposed Water Type Ns | 8. *Date of Field Assessment 04/28/15 |
| 9. *Forest Practices Application Number(s) (if applicable) _____ NW, NW Sec. 20, T6N, R3E (A) | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (if you check this box attach ID team report) <input checked="" type="checkbox"/> Visual observation (if you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (if you check this box fill out block 11-18) <input type="checkbox"/> Incremental Measurements (if you check this box fill out block 11-16) <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (if you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: _____ | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Below Normal Was there a drought warning issued by the DNR? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: _____ | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (*attached survey information*)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☒ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☐ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☒ Yes. Mark box(s) below (*for segment A*)
☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☒ Other (describe): PC27440173

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

- ☐ Temporary barriers (log jams)
☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No
 Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☒ No

- ☐ Yes. Estimate when the event occurred _____
 Describe how these affected current stream channel conditions and fish distribution in the stream.

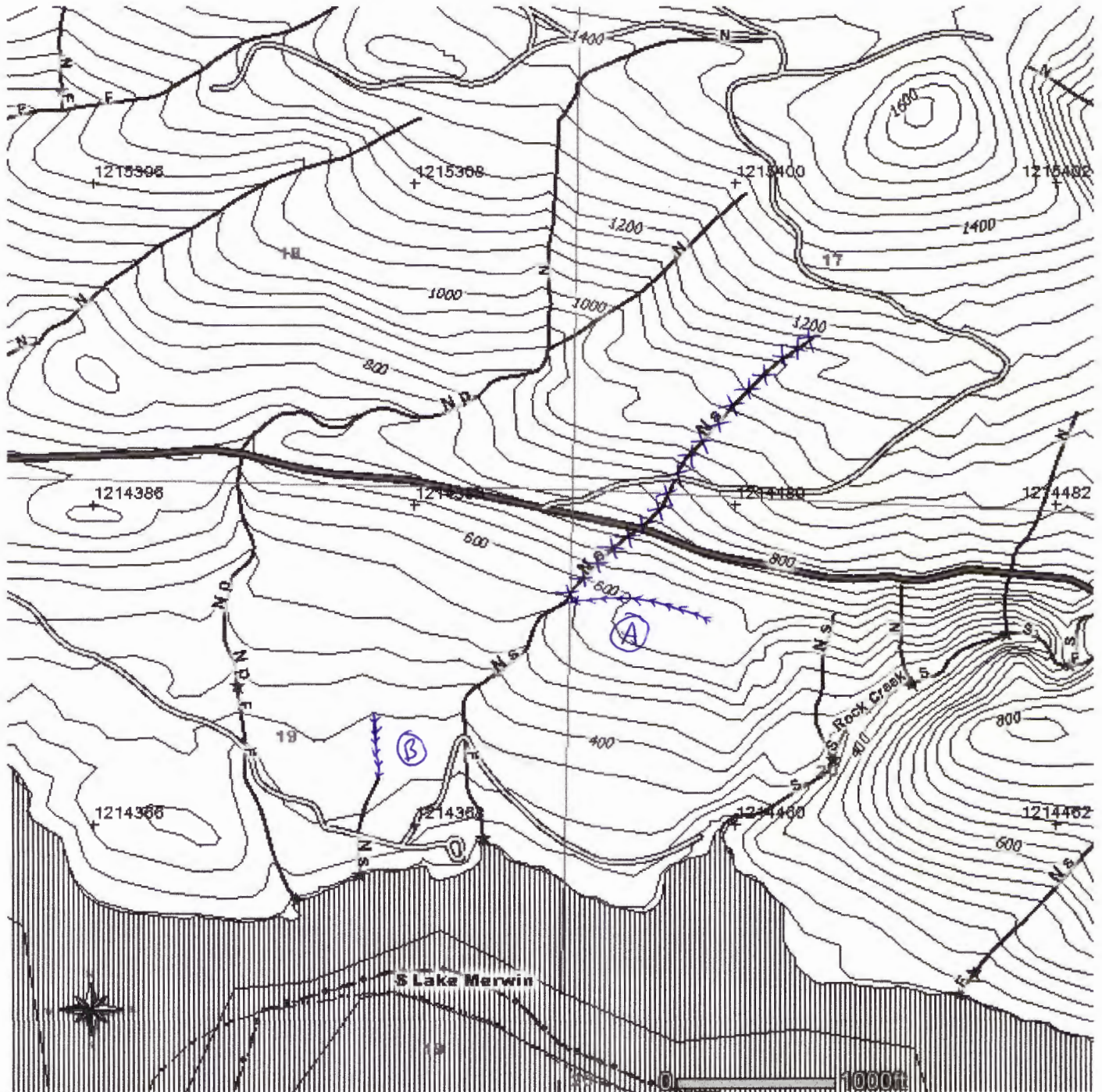
16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

Type break based on dxr channel.

FOREST PRACTICE ACTIVITY MAP

TOWNSHIP 6 NORTH HALF 0, RANGE 3 EAST (W.M.) HALF 0, SECTION 20

Application #: **PC-27-15-0108**



Please use the legend from the FPA Instruction or provide a list of symbols used.

-----> New Stream

xxxx Deleted Stream

4/21/2015, 1:57:31 PM
NAD 83
Contour Interval: 40 Feet

2015 Water Modification Forms
Unit 5 – Lewis River



| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0110 |
| Comment Due Date 7/8/2015 | | | |

DNR Office Summary

(For office use only)

| Name of Reviewers | Concur | Non-concur | Date Comment Received | | | |
|--------------------|-------------------------------------|------------|-----------------------|-------|-----------|-------------------------------------|
| | | | Email | Phone | In Person | No Reply |
| DNR: Geoff Crosby | <input checked="" type="checkbox"/> | | | | 10-21-15 | |
| WDFW: Steve West | <input checked="" type="checkbox"/> | | | | (P.D.) | |
| DOE: Rod Thysell | <input checked="" type="checkbox"/> | | | | 10/20/15 | |
| Tribe: Yakama | | | | | | <input checked="" type="checkbox"/> |
| Tribe: Cowlitz | | | | | | <input checked="" type="checkbox"/> |
| Tribe: | | | | | | |
| Other: | | | | | | |
| Other: Marty Acker | | | | | | <input checked="" type="checkbox"/> |

☒ DNR Concur

☐ DNR Non-concur

Justification:

Office reviewers name Mandie Willenberg Position NRT3 Date 6/8/2015



Proponent and reviewers notified of by Mandie Willenberg on 10/22/15
(Name) (Date)

Received Date

Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| | | |
|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------|
| * Proponent name Kirk Naylor  | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 |
| | | Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry  | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 |
| | | Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☐ *Adding streams/lakes ☒ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☒ *Changing location of streams/lakes (describe in box 16)

| | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|------------------------------------------------------------------------------------------------------|--|
| 1. *Water Segment ID <i>W,V</i> | 2. Name of Water <i>—</i> | 3. Tributary To <i>Lake Merwin</i> | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) <i>NE, NE Sec. 21, T6N, R3E</i> | |
| 5. *County <i>Clark</i> | 6. Water Type Shown on Map <i>N</i> | 7. Proposed Water Type <i>Ns</i> | 8. *Date of Field Assessment <i>04/14/15</i> | |
| 9. *Forest Practices Application Number(s) (if applicable) <i>—</i> | | | | |
| 10. Change is based on the following (check <u>all</u> that apply). | | | | |
| Survey method: | | | | |
| <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) | | | | |
| <input type="checkbox"/> ID Team: (If you check this box attach ID team report) | | | | |
| <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) | | | | |
| <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) | | | | |
| <input type="checkbox"/> Incremental Measurements (If you check this box fill out block 11-16) | | | | |
| <input type="checkbox"/> Fish found List species found (if known) _____ | | | | |
| <input type="checkbox"/> No fish found | | | | |
| <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) | | | | |
| <input type="checkbox"/> Channel is a public water diversion | | Distance from diversion _____ | | |
| <input type="checkbox"/> Channel is a fish hatchery diversion | | Hatchery name _____ | | |
| | | Distance downstream from hatchery _____ | | |
| <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. | | | | |
| Describe: | | | | |
| | | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input type="checkbox"/> Below Normal | | | | |
| Was there a drought warning issued by the DNR? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) | | | | |
| If yes, describe: | | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____ Narrowest bankfull width measurement _____
 Widest bankfull width measurement _____ Average bankfull width _____
 Lowest gradient _____ Steepest gradient _____
 Average gradient _____ Average wetted width _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (*attached survey information*)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☐ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below
☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)



showing streams in their correct location

Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC-27-15-0110 | | | |
| Received Date | | | |

| | | |
|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------|
| * Proponent name Kirk Naylor  | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 |
| | | Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry  | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 |
| | | Email address jberry@chiltonlogging.com |

Check applicable boxes:

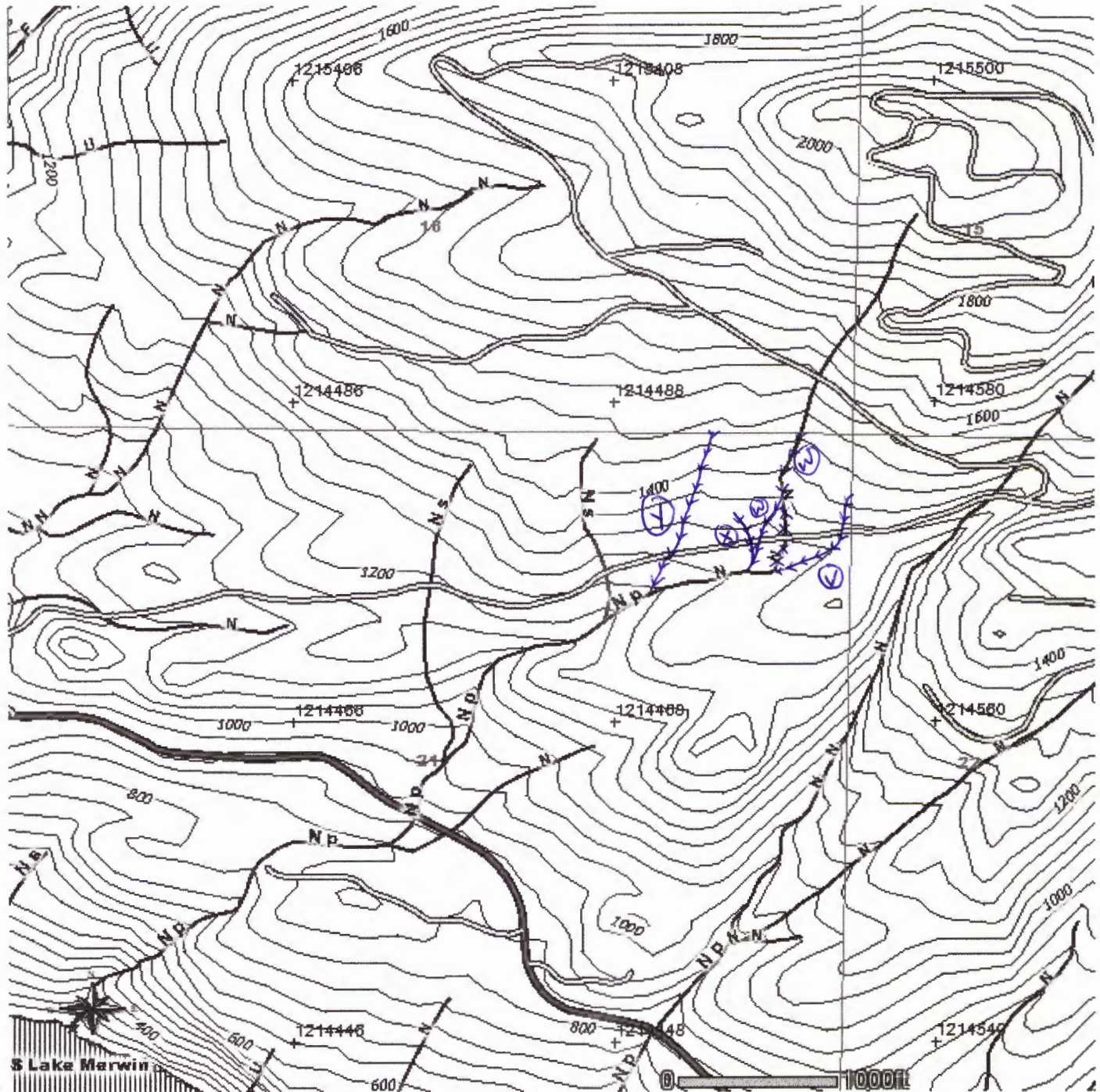
- ☒ *Adding streams/lakes ☐ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☐ *Changing location of streams/lakes (describe in box 16)

| | | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID <i>Y, X</i> | 2. Name of Water _____ | 3. Tributary To <i>Lake Merwin</i> | 4. *Legal Description (1/4, 1/4 Section, Township, Range, EW) <i>NE, NE Sec. 21 T6N, R3E</i> |
| 5. *County <i>Clark</i> | 6. Water Type Shown on Map _____ | 7. Proposed Water Type <i>Ns</i> | 8. *Date of Field Assessment <i>04/15/15</i> |
| 9. *Forest Practices Application Number(s) (if applicable) _____ | | | |
| 10. Change is based on the following (check <u>all</u> that apply). | | | |
| Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (if you check this box attach ID team report) <input type="checkbox"/> Visual observation (if you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (if you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements (if you check this box fill out block 11-16) <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (if you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input type="checkbox"/> Below Normal | | | |
| Was there a drought warning issued by the DNR? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: | | | |

TOWNSHIP 6 NORTH HALF 0, RANGE 3 EAST (W.M.) HALF 0, SECTION 21

Application #:

PC-27-15-0110



Please use the legend from the FPA Instruction or provide a list of symbols used.

4/21/2015, 2:32:39 PM
NAD 83
Contour Interval: 40 Feet

2015 Water Modification Forms
Unit 6 – Lewis River



| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0117 |
| Comment Due Date 7/9/2015 | | | |

DNR Office Summary

(For office use only)

| Name of Reviewers | Concur | Non-concur | Date Comment Received | | | |
|--------------------|-------------------------------------|------------|-----------------------|-------|-----------|-------------------------------------|
| | | | Email | Phone | In Person | No Reply |
| DNR: Geoff Crosby | <input checked="" type="checkbox"/> | | | | 10-21-15 | |
| WDFW: Steve West | <input checked="" type="checkbox"/> | | | | (A) | |
| DOE: Rod Thysell | <input checked="" type="checkbox"/> | | | | 10/20/15 | |
| Tribe: Yakama | | | | | | <input checked="" type="checkbox"/> |
| Tribe: Cowlitz | | | | | | <input checked="" type="checkbox"/> |
| Tribe: | | | | | | |
| Other: | | | | | | |
| Other: Marty Acker | | | | | | <input checked="" type="checkbox"/> |

☒ DNR Concur

☐ DNR Non-concur

Justification:

Office reviewers name Mandie Willenberg Position NRT3 Date 6/9/2015

Proponent and reviewers notified of by Mandie Willenberg on 10/22/15
(Name) (Date)



| <i>Region</i> | <i>WRIA</i> | <i>Year</i> | <i>Number</i> |
|---------------|-------------|-------------|---------------|
| PC-27- | 15- | 0117 | |

Received Date

Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| | | |
|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------|
| * Proponent name Kirk S Naylor  | Organization name and address PacificCorp Energy 825 NE Multnomah, Ste 1500 Portland, OR 97232 | Telephone number (503) 813-6619 |
| | | Email address kirk.naylor@pacificcorp.com |
| Surveyor name (s) Joe Berry  | Organization name and address Chilton Logging Inc 1760 Down River Drive Woodland, WA 98674 | Telephone number () |
| | | Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☐ *Adding streams/lakes ☐ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☒ *Changing location of streams/lakes (describe in box 16)

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID (A) | 2. Name of Water _____ | 3. Tributary To Merrim | 4. *Legal Description (1/4, 1/4 Section, Township, Range, EW) SW, NE Sec. 20, T6N, R3E |
| 5. *County Cowlitz | 6. Water Type Shown on Map F/Ns | 7. Proposed Water Type F/Ns | 8. *Date of Field Assessment 05/01/15 |
| 9. *Forest Practices Application Number(s) (if applicable) _____ | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (If you check this box attach ID team report) <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements If you check this box fill out block 11-16 <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found _____ <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: Not in correct location | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Below Normal | | | |
| Was there a drought warning issued by the DNR? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (*attached survey information*)
☐ The end of harvest or property boundary
☐ The junction of two or more streams

Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No

- ☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat

☒ Physical characteristics

☐ Other (describe): over 25% down to lake

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.

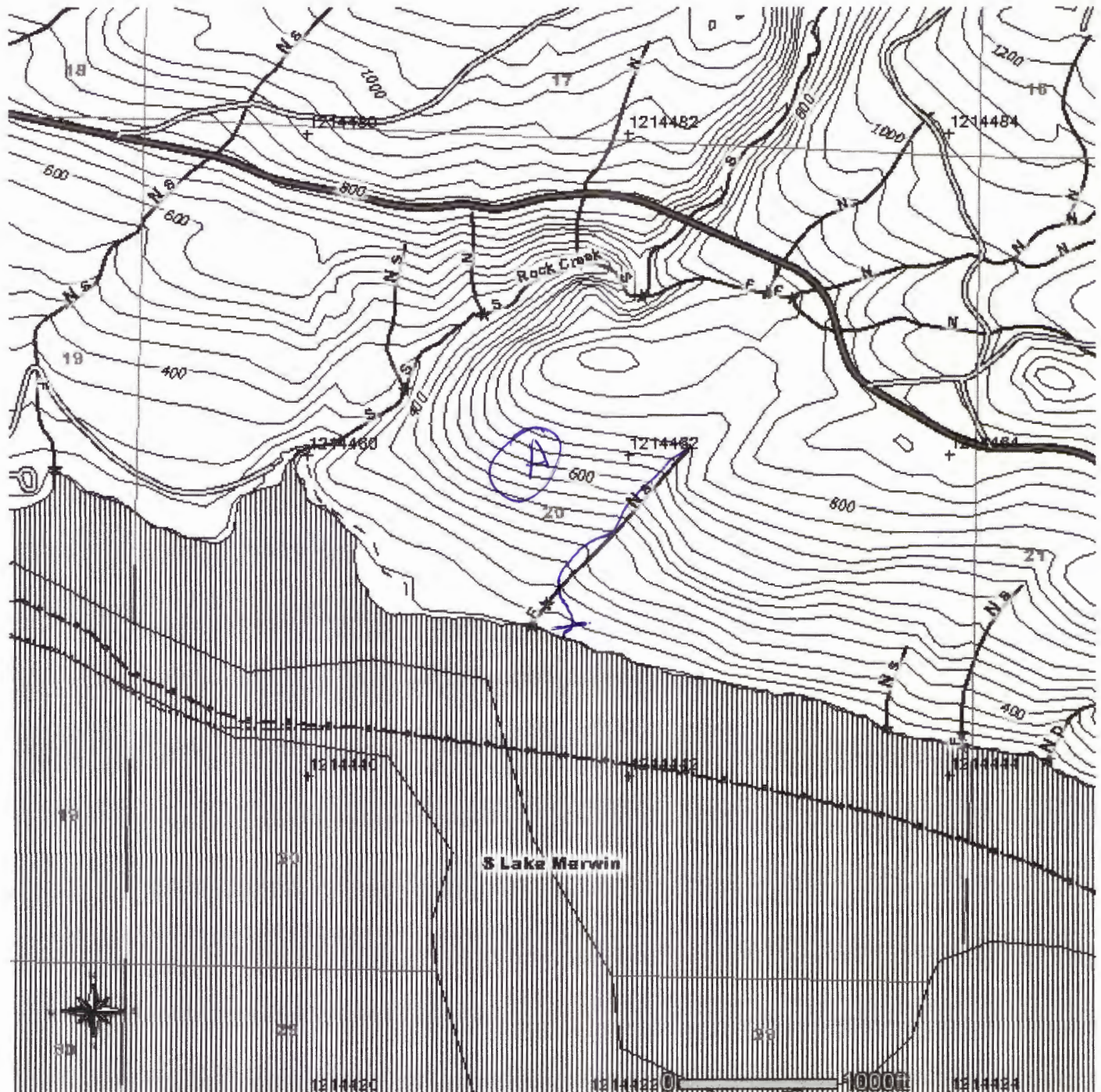
16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

GPSd to correct location.

FOREST PRACTICE ACTIVITY MAP

TOWNSHIP 6 NORTH HALF 0, RANGE 3 EAST (W.M.) HALF 0, SECTION 20

Application #: **PC-27-15-0117**



Please use the legend from the FPA Instruction or provide a list of symbols used.

 Stream break

5/29/2015, 1:06:55 PM
NAD 83
Contour Interval: 40 Feet

2015 Water Modification Forms
Unit 7 – Lewis River



| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0111 |
| Comment Due Date | | | |
| 7/8/2015 | | | |

DNR Office Summary

(For office use only)

| Name of Reviewers | Concur | Non-concur | Date Comment Received | | | |
|--------------------|-------------------------------------|------------|-----------------------|-------|--------------------|-------------------------------------|
| | | | Email | Phone | In Person | No Reply |
| DNR: Geoff Crosby | <input checked="" type="checkbox"/> | | | | 10-21-15 | |
| WDFW: Steve West | <input checked="" type="checkbox"/> | | | | <i>(Signature)</i> | |
| DOE: Rod Thysell | <input checked="" type="checkbox"/> | | | | 10/29/15 | |
| Tribe: Yakama | | | | | | <input checked="" type="checkbox"/> |
| Tribe: Cowlitz | | | | | | <input checked="" type="checkbox"/> |
| Tribe: | | | | | | |
| Other: | | | | | | |
| Other: Marty Acker | | | | | | <input checked="" type="checkbox"/> |

☒ DNR Concur

☐ DNR Non-concur

Justification:

Office reviewers name Mandie Willenberg Position NRT3 Date 6/8/2015

Proponent and reviewers notified of by *Mandie Willenberg* on 10/22/15
(Name) (Date)



WASHINGTON STATE DEPARTMENT OF
Natural Resources

Region Reference Number- DNR Use Only

Region WRIA Year Number

PC-27-15-0111

Received Date

Read instructions prior to filling out

Water Type Modification Form
(For changes to the Water Type Map)

| | | |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| * Proponent name Kirk Naylor <i>Kirk S Naylor</i> | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry <i>Joe Berry</i> | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☒ *Adding streams/lakes
☐ *Removing streams/lakes (describe in box 16)
☐ *Changing location of streams/lakes (describe in box 16)
- ☐ Changing water type
☐ Other. Describe _____

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID <i>T, N, M</i> | 2. Name of Water _____ | 3. Tributary To <i>Lake Merwin</i> | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) <i>NE 1/4 Sec 26, T6N, R3E</i> |
| 5. *County <i>Cowlitz</i> | 6. Water Type Shown on Map _____ | 7. Proposed Water Type <i>N5</i> | 8. *Date of Field Assessment <i>04/15/15</i> |
| 9. *Forest Practices Application Number(s) (if applicable) _____ | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (if you check this box attach ID team report) <input type="checkbox"/> Visual observation (if you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (if you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements (if you check this box fill out block 11-16) <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (if you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: _____ | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Below Normal | | | |
| Was there a drought warning issued by the DNR? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: _____ | | | |

TAM

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

| | |
|-------------------------------------------------------------------------------------------|--------------------------------------------|
| Number of bankfull width measurements _____ | Narrowest bankfull width measurement _____ |
| Widest bankfull width measurement _____ | Average bankfull width _____ |
| Lowest gradient _____ | Steepest gradient _____ |
| Average gradient _____ | Average wetted width _____ |
| Ponds and impoundments >0.5 acre <input type="checkbox"/> Yes <input type="checkbox"/> No | Number of protocol pools _____ |

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (attached survey information)
- ☐ The end of harvest or property boundary
- ☐ The junction of two or more streams
- Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
- ☐ The uppermost point of perennial flow. (describe in block 16)
- ☐ The last observed fish
- ☐ The upper extent of proposed fish habitat
- ☐ Physical characteristics
- ☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
- ☐ Unable to access
- ☐ Yes. Mark box(s) below
- ☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers. Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

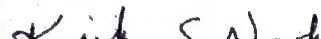

All streams are dry as of 04/15/15.

Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0111 |
| Received Date | | | |

| | | |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| * Proponent name Kirk Naylor  | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 |
| | | Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry  | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 |
| | | Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☐ *Adding streams/lakes
☐ *Removing streams/lakes (describe in box 16)
☒ *Changing location of streams/lakes (describe in box 16)
- ☒ Changing water type
☐ Other. Describe _____

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------|-------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID Q | 2. Name of Water _____ | 3. Tributary To Lake Mowin | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) SE NW Sec 26, T6N, R7E |
| 5. *County Cowlitz | 6. Water Type Shown on Map N | 7. Proposed Water Type F/Ns | 8. *Date of Field Assessment 04/15/15 |
| 9. *Forest Practices Application Number(s) (if applicable) _____ | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (if you check this box attach ID team report) <input checked="" type="checkbox"/> Visual observation (if you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (if you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements (if you check this box fill out block 11-16) <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input checked="" type="checkbox"/> Physical characteristics (if you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: _____ | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input checked="" type="checkbox"/> Normal <input checked="" type="checkbox"/> Below Normal | | | |
| Was there a drought warning issued by the DNR? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: _____ | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (attached survey information)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☒ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☒ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☒ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

Type break based on physicals. Stream grade increases over 25% with no pools. 10 foot + wide seep in place upstream of break.



WASHINGTON STATE DEPARTMENT OF
Natural Resources

Read instructions prior to filling out

Water Type Modification Form (For changes to the Water Type Map)

| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0111 |
| Received Date | | | |

| | | |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| * Proponent name Kirk Naylor <i>Kirk S Naylor</i> | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry <i>Joe Berry</i> | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☐ *Adding streams/lakes
☐ *Removing streams/lakes (describe in box 16)
☒ *Changing location of streams/lakes (describe in box 16)
☒ Changing water type
☐ Other. Describe _____

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------------|----------------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID <i>R</i> | 2. Name of Water <i>—</i> | 3. Tributary To <i>Lake Merwin</i> | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) <i>E 1/2, NW 1/4, Sec 26, T6N, R3E</i> |
| 5. *County | 6. Water Type Shown on Map <i>N</i> | 7. Proposed Water Type <i>F, NP, NS</i> | 8. *Date of Field Assessment <i>04/15/15</i> |
| 9. *Forest Practices Application Number(s) (if applicable) <i>—</i> | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (if you check this box attach ID team report) <input checked="" type="checkbox"/> Visual observation (if you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (if you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements (if you check this box fill out block 11-16) <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input checked="" type="checkbox"/> Physical characteristics (if you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: _____ | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input checked="" type="checkbox"/> Normal <input checked="" type="checkbox"/> Below Normal | | | |
| Was there a drought warning issued by the DNR? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: _____ | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (attached survey information)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☒ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☒ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☒ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

Entire stream dries up in summer, however, the first ~600' down to Lake Merwin "could" support fish. At ~600', stream climbs at over 50% for 40 feet. No fish habitat above break.



WASHINGTON STATE DEPARTMENT OF
Natural Resources

Region Reference Number- DNR Use Only

Region WRIA Year Number

PC-27-15-0111

Received Date

Read instructions prior to filling out

Water Type Modification Form
(For changes to the Water Type Map)

| | | |
|-------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| * Proponent name Kirk Naylor <i>Kirk Naylor</i> | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry <i>Joe Berry</i> | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☐ *Adding streams/lakes
☐ *Removing streams/lakes (describe in box 16)
☒ *Changing location of streams/lakes (describe in box 16)
☐ Changing water type
☐ Other. Describe _____

| | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------|-------------------------------------------------------------------------------------------|
| 1. *Water Segment ID 0 | 2. Name of Water — | 3. Tributary To Lake Merwin | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) NW, NE Sec. 26 T6N, R3E |
| 5. *County Cowlitz | 6. Water Type Shown on Map N | 7. Proposed Water Type Ns/Np | 8. *Date of Field Assessment 04/15/15 |
| 9. *Forest Practices Application Number(s) (if applicable) — | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (If you check this box attach ID team report) <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements If you check this box fill out block 11-16 <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Below Normal Was there a drought warning issued by the DNR? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (attached survey information)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☐ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____



Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

As of 05/01/15, stream north of road is completely dry.

Read instructions prior to filling out

Water Type Modification Form
(For changes to the Water Type Map)

| | | |
|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| * Proponent name Kirk Naylor  | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 |
| | | Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry  | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 |
| | | Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☐ *Adding streams/lakes
☐ *Removing streams/lakes (describe in box 16)
☒ *Changing location of streams/lakes (describe in box 16)
- ☒ Changing water type
☐ Other. Describe _____

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID L | 2. Name of Water — | 3. Tributary To Lake Merwin | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) SE, NE, Sec. 26, T6N, R3E |
| 5. *County Cowlitz | 6. Water Type Shown on Map N | 7. Proposed Water Type Ns | 8. *Date of Field Assessment 04/15/15 |
| 9. *Forest Practices Application Number(s) (if applicable) — | | | |
| 10. Change is based on the following (check <u>all</u> that apply). | | | |
| Survey method: | | | |
| <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; If report addresses information in block 11-16 no need to fill in these blocks) | | | |
| <input type="checkbox"/> ID Team: (If you check this box attach ID team report) | | | |
| <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Incremental Measurements (If you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Fish found List species found (if known) _____ | | | |
| <input type="checkbox"/> No fish found | | | |
| <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Channel is a public water diversion | | Distance from diversion _____ | |
| <input type="checkbox"/> Channel is a fish hatchery diversion | | Hatchery name _____ | |
| | | Distance downstream from hatchery _____ | |
| <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. | | | |
| Describe: | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Below Normal | | | |
| Was there a drought warning issued by the DNR? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (attached survey information)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☐ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.



16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

Stream dries up in summer. Moved to correct location.



Water Type Modification Form
(For changes to the Water Type Map)

| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC-27 | - | 15 | -0111 |
| Received Date | | | |

| | | |
|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| * Proponent name Kirk Naylor  | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry  | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 Email address jberry@chiltonlogging.com |

☒ *Adding streams/lakes ☐ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☐ *Changing location of streams/lakes (describe in box 16)

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------|--------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID K | 2. Name of Water — | 3. Tributary To Lake Mevin | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) SE, NE Sec 26, T6N, R3E |
| 5. *County Cowlitz | 6. Water Type Shown on Map — | 7. Proposed Water Type N | 8. *Date of Field Assessment 04/15/15 |
| 9. *Forest Practices Application Number(s) (if applicable) — | | | |
| 10. Change is based on the following (check <u>all</u> that apply). | | | |
| Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (If you check this box attach ID team report) <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. | | | |
| Describe: | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Below Normal | | | |
| Was there a drought warning issued by the DNR? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (*attached survey information*)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☐ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers. Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

the Calling stream an "N" because there's not enough evidence to indicate N_p or N_s



| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC-27-15-0111 | | | |
| Received Date | | | |

Read instructions prior to filling out

Water Type Modification Form
(For changes to the Water Type Map)

| | | |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| * Proponent name Kirk Naylor <i>Kirk S Naylor</i> | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry <i>Joe Berry</i> | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☐ *Adding streams/lakes
☐ *Removing streams/lakes (describe in box 16)
☒ *Changing location of streams/lakes (describe in box 16)
☐ Changing water type
☐ Other. Describe _____

| | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------|----------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID P | 2. Name of Water — | 3. Tributary To Lake Merwin | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) NE 1/4, Sec. 26, T6N, R3E |
| 5. *County Cowlitz | 6. Water Type Shown on Map N | 7. Proposed Water Type N | 8. *Date of Field Assessment 04/15/15 |
| 9. *Forest Practices Application Number(s) (if applicable) | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; If report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (If you check this box attach ID team report) <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements If you check this box fill out block 11-16) <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Below Normal Was there a drought warning issued by the DNR? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

| | |
|-------------------------------------------------------------------------------------------|--------------------------------------------|
| Number of bankfull width measurements _____ | Narrowest bankfull width measurement _____ |
| Widest bankfull width measurement _____ | Average bankfull width _____ |
| Lowest gradient _____ | Steepest gradient _____ |
| Average gradient _____ | Average wetted width _____ |
| Ponds and impoundments >0.5 acre <input type="checkbox"/> Yes <input type="checkbox"/> No | Number of protocol pools _____ |

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (attached survey information)
- ☐ The end of harvest or property boundary
- ☐ The junction of two or more streams
- Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
- ☐ The uppermost point of perennial flow. (describe in block 16)
- ☐ The last observed fish
- ☐ The upper extent of proposed fish habitat
- ☐ Physical characteristics
- ☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
- ☐ Unable to access
- ☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers. Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)



28' + grade from Lake to stream creates barrier for fish, therefore, "N" the entire stream. Not enough evidence to change to "Np" or "Ns".

Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0111 |
| Received Date | | | |

| | | |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------|
| * Proponent name  Kirk S. Naylor | Organization name and address PacifiCorp Energy 825 NE Multnomah, Ste 1500 Portland, OR 97232 | Telephone number (503) 813-6619 |
| | | Email address Kirk.naylor@pacifiCorp.com |
| Surveyor name (s) Joe Barry  | Organization name and address Chilton Logging Inc 1760 Down River Dr. Woodland, WA 98674 | Telephone number (509) 660-8760 |
| | | Email address jbarry@chiltonlogging.com |

Check applicable boxes:

- ☐ *Adding streams/lakes ☒ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☒ *Changing location of streams/lakes (describe in box 16)

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID <u>J</u> | 2. Name of Water — | 3. Tributary To <u>Lake Merwin</u> | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) <u>SE, NE Sec 26 T6N, R3E</u> |
| 5. *County <u>Cowlitz</u> | 6. Water Type Shown on Map <u>N</u> | 7. Proposed Water Type <u>N / N_s</u> | 8. *Date of Field Assessment <u>04/15/15</u> |
| 9. *Forest Practices Application Number(s) (if applicable) — | | | |
| 10. Change is based on the following (check <u>all</u> that apply). | | | |
| Survey method: | | | |
| <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) | | | |
| <input type="checkbox"/> ID Team: (if you check this box attach ID team report) | | | |
| <input type="checkbox"/> Visual observation (if you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Random Measurements (if you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Incremental Measurements (if you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Fish found List species found (if known) _____ | | | |
| <input type="checkbox"/> No fish found | | | |
| <input type="checkbox"/> Physical characteristics (if you check this box fill out block 11-16) | | | |
| <input type="checkbox"/> Channel is a public water diversion | | Distance from diversion _____ | |
| <input type="checkbox"/> Channel is a fish hatchery diversion | | Hatchery name _____ | |
| | | Distance downstream from hatchery _____ | |
| <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. | | | |
| Describe: | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input checked="" type="checkbox"/> Below Normal | | | |
| Was there a drought warning issued by the DNR? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

| | |
|-------------------------------------------------------------------------------------------|--------------------------------------------|
| Number of bankfull width measurements _____ | Narrowest bankfull width measurement _____ |
| Widest bankfull width measurement _____ | Average bankfull width _____ |
| Lowest gradient _____ | Steepest gradient _____ |
| Average gradient _____ | Average wetted width _____ |
| Ponds and impoundments >0.5 acre <input type="checkbox"/> Yes <input type="checkbox"/> No | Number of protocol pools _____ |

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (attached survey information)
- ☐ The end of harvest or property boundary
- ☐ The junction of two or more streams
- Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
- ☐ The uppermost point of perennial flow. (describe in block 16)
- ☐ The last observed fish
- ☐ The upper extent of proposed fish habitat
- ☐ Physical characteristics
- ☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
- ☐ Unable to access
- ☐ Yes. Mark box(s) below
- ☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers. Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.

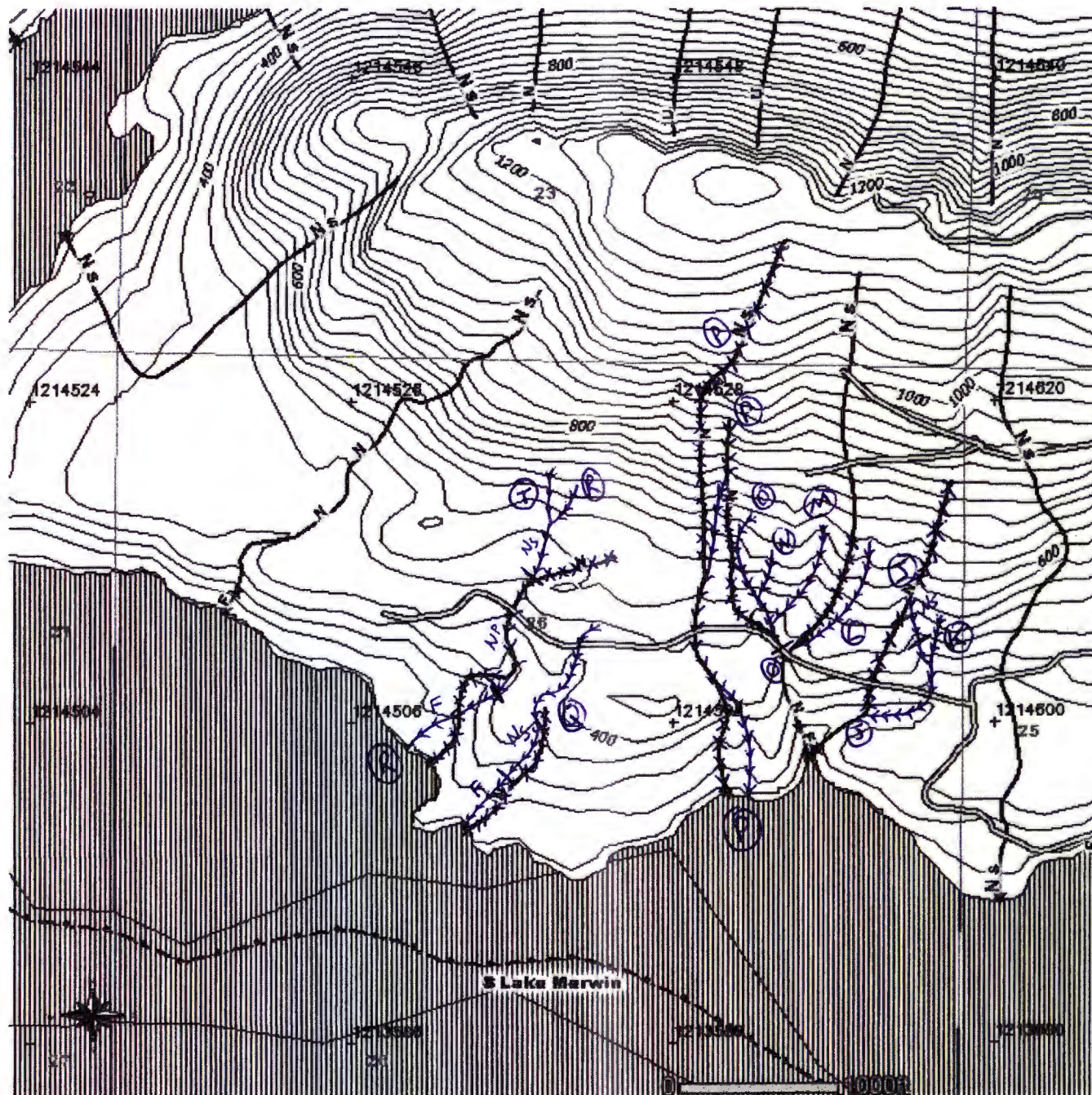
16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

Corrected location. Stream is dry as of 04/15/15 for last 300-400' stretch.

FOREST PRACTICE ACTIVITY MAP

TOWNSHIP 6 NORTH HALF 0, RANGE 3 EAST (W.M.) HALF 0, SECTION 26

Application #: PC-27-15-0111



Please use the legend from the FPA Instruction or provide a list of symbols used.

+ stream break

4/21/2015, 3:01:40 PM
NAD 83
Contour Interval: 40 Feet

2015 Water Modification Forms
Unit 8 – Lewis River



| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0113 |
| Comment Due Date 7/8/2015 | | | |

DNR Office Summary

(For office use only)

| Name of Reviewers | Concur | Non-concur | Date Comment Received | | | |
|--------------------|-------------------------------------|------------|-----------------------|-------|------------|-------------------------------------|
| | | | Email | Phone | In Person | No Reply |
| DNR: Geoff Crosby | <input checked="" type="checkbox"/> | | | | 10-21-15 | |
| WDFW: Steve West | <input checked="" type="checkbox"/> | | | | <i>Pat</i> | |
| DOE: Rod Thysell | <input checked="" type="checkbox"/> | | | | 10/20/15 | |
| Tribe: Yakama | | | | | | <input checked="" type="checkbox"/> |
| Tribe: Cowlitz | | | | | | <input checked="" type="checkbox"/> |
| Tribe: | | | | | | |
| Other: | | | | | | |
| Other: Marty Acker | | | | | | <input checked="" type="checkbox"/> |

☒ DNR Concur

☐ DNR Non-concur

Justification:

Office reviewers name Mandie Willenberg Position NRT3 Date 6/8/2015



Proponent and reviewers notified of by *Mandie Willenberg* on 10/22/15
(Name) (Date)



| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0113 |
| Received Date | | | |

Water Type Modification Form

(For changes to the Water Type Map)

| | | |
|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------|
| * Proponent name Kirk Naylor  | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 |
| | | Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry  | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 |
| | | Email address jberry@chiltonlogging.com |

☐ *Adding streams/lakes ☐ Changing water type
☒ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☐ *Changing location of streams/lakes (describe in box 16)

| | | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| 1. *Water Segment ID <u>D</u> | 2. Name of Water <u> — </u> | 3. Tributary To <u>Lake Mevin</u> | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) <u>NE, SW, Sec 25, T6N, R3E</u> | |
| 5. *County <u>Clark</u> | 6. Water Type Shown on Map <u>Ns</u> | 7. Proposed Water Type <u> — </u> | | 8. *Date of Field Assessment <u>04/15/15</u> |
| 9. *Forest Practices Application Number(s) (if applicable) <u> — </u> | | | | |
| 10. Change is based on the following (check <u>all</u> that apply). | | | | |
| Survey method: | | | | |
| <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) | | | | |
| <input type="checkbox"/> ID Team: (If you check this box attach ID team report) | | | | |
| <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) | | | | |
| <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) | | | | |
| <input type="checkbox"/> Incremental Measurements (If you check this box fill out block 11-16) | | | | |
| <input type="checkbox"/> Fish found | List species found (if known) _____ | | | |
| <input type="checkbox"/> No fish found | | | | |
| <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) | | | | |
| <input type="checkbox"/> Channel is a public water diversion | Distance from diversion _____ | | | |
| <input type="checkbox"/> Channel is a fish hatchery diversion | Hatchery name _____ | | | |
| | Distance downstream from hatchery _____ | | | |
| <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. | | | | |
| Describe: | | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input type="checkbox"/> Below Normal | | | | |
| Was there a drought warning issued by the DNR? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: | | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (*attached survey information*)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☐ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

Stream channelizes but disappears 200' before the lake.
 No evidence of it going subsurface.



PC-27-15-0113

Received Date

Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| | | |
|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------|
| * Proponent name Kirk Naylor  | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 |
| | | Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry  | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 |
| | | Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☐ *Adding streams/lakes ☐ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☒ *Changing location of streams/lakes (describe in box 16)

| | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID G | 2. Name of Water — | 3. Tributary To Lake Merwin | 4. *Legal Description (1/4, 1/4 Section, Township, Range, EW) SE, SE Sec. 25, T6N, R3E |
| 5. *County Clark | 6. Water Type Shown on Map Ns | 7. Proposed Water Type Ns | 8. *Date of Field Assessment 04/15/15 |
| 9. *Forest Practices Application Number(s) (if applicable) — | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (If you check this box attach ID team report) <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements If you check this box fill out block 11-16 <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: _____ | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input type="checkbox"/> Below Normal | | | |
| Was there a drought warning issued by the DNR? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: _____ | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (*attached survey information*)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☐ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

showing stream in its correct location



Read instructions prior to filling out

Water Type Modification Form (For changes to the Water Type Map)

| | | |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| * Proponent name Kirk Naylor <i>Kirk S Naylor</i> | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry <i>Joe Berry</i> | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☒ *Adding streams/lakes ☐ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☐ *Changing location of streams/lakes (describe in box 16)

| | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID <i>H, I</i> | 2. Name of Water <i>—</i> | 3. Tributary To <i>Lake Oswego</i> | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) <i>SE, SE Sec. 25, T6N, R3E</i> |
| 5. *County <i>Clark</i> | 6. Water Type Shown on Map <i>—</i> | 7. Proposed Water Type <i>Ns</i> | 8. *Date of Field Assessment <i>04/15/15</i> |
| 9. *Forest Practices Application Number(s) (if applicable) <i>—</i> | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (If you check this box attach ID team report) <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: _____ | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input type="checkbox"/> Below Normal Was there a drought warning issued by the DNR? <input type="checkbox"/> Yes <input type="checkbox"/> No Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: _____ | | | |



PC-27-15-0113

Received Date _____

Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| | | |
|----------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------|
| * Proponent name Kirk Naylor  | Organization name and address PacifiCorp Energy 825 NE Multnomah, Suite 1500 Portland, OR 97232 | Telephone number (503) 813-6619 |
| | | Email address kirk.naylor@PacifiCorp.com |
| Surveyor name (s) Joe Berry  | Organization name and address Chilton Logging Inc. 1760 Down River DR Woodland, WA 98674 | Telephone number (503) 660-8760 |
| | | Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☐ *Adding streams/lakes ☐ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☒ *Changing location of streams/lakes (describe in box 16)

| | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------|--|
| 1. *Water Segment ID <i>E</i> | 2. Name of Water <i>—</i> | 3. Tributary To <i>Little Mowin</i> | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) <i>NE, SW Sec. 25, T6N, R3E</i> | |
| 5. *County <i>Clark</i> | 6. Water Type Shown on Map <i>N_s</i> | 7. Proposed Water Type <i>N_s</i> | 8. *Date of Field Assessment <i>04/15/15</i> | |
| 9. *Forest Practices Application Number(s) (if applicable) <i>—</i> | | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (If you check this box attach ID team report) <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements If you check this box fill out block 11-16 <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: _____ | | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input type="checkbox"/> Below Normal | | | | |
| Was there a drought warning issued by the DNR? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: | | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (*attached survey information*)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☐ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

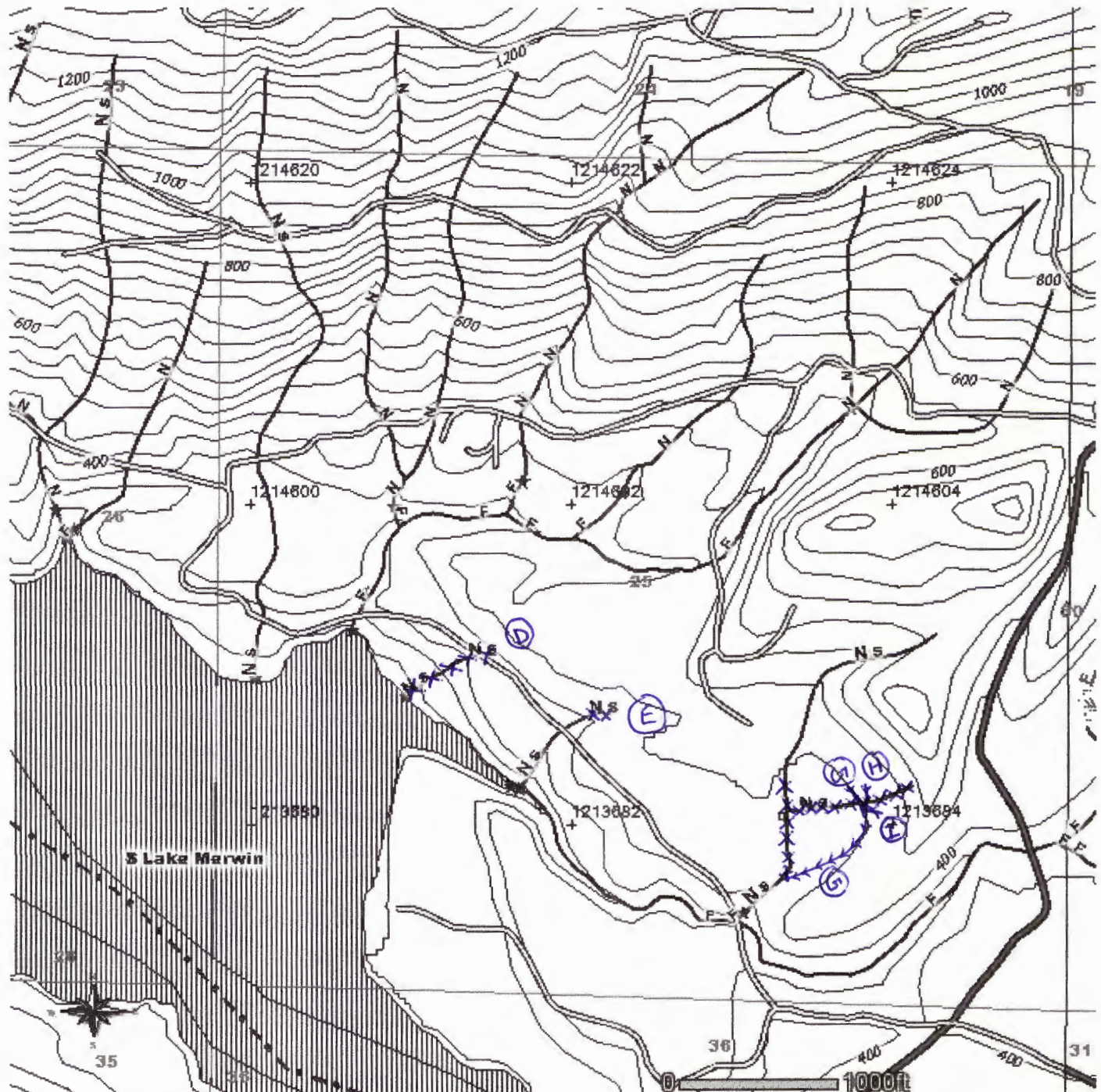
Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

Deleting a small portion of stream segment that doesn't exist.

TOWNSHIP 6 NORTH HALF 0, RANGE 3 EAST (W.M.) HALF 0, SECTION 26⁵

Application #: **PC-27-15-0113**



Please use the legend from the FPA Instruction or provide a list of symbols used.

4/21/2015, 2:33:12 PM
NAD 83
Contour Interval: 40 Feet

2015 Water Modification Forms
Unit 15 – Lewis River



| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0114 |
| Comment Due Date 7/8/2015 | | | |

DNR Office Summary

(For office use only)

| Name of Reviewers | Concur | Non-concur | Date Comment Received | | | |
|--------------------|---------|------------|-----------------------|-------|-----------|----------|
| | | | Email | Phone | In Person | No Reply |
| DNR: Scott Hancock | ✓ | | | | | |
| WDFW: Sam Kolb | ✓ | | | | 8-20-15 | |
| DOE: Rod Thysell | 7-13-15 | | ✓ | | | |
| Tribe: Yakama | | | | | | ✓ |
| Tribe: Cowlitz | | | | | | ✓ |
| Tribe: | | | | | | |
| Other: | | | | | | |
| Other: Marty Acker | | | | | | ✓ |

☒ DNR Concur

☐ DNR Non-concur

Justification:

Office reviewers name Mandie Willenberg Position NRT3 Date 6/8/2015

Proponent and reviewers notified of by Mandie Willenberg on 10/22/15
(Name) (Date)

CHANDLER, BRUCE (DNR)

From: HANCOCK, SCOTT (DNR)
Sent: Thursday, August 06, 2015 1:51 PM
To: DNR RE FPAN-PC
Subject: FW: Water Type Modification Requests

Below is the email from Rod Thysell concurring with these five WTMF's. Thanks

<PC-27-15-0068.pdf>

<PC-27-15-0069.pdf>

<PC-27-15-0114.pdf>

<PC-28-15-0065.pdf>

<PC-28-15-0099.pdf>

From: Thysell, Rod (ECY)
Sent: Monday, July 13, 2015 2:27 PM
To: HANCOCK, SCOTT (DNR)
Cc: Kolb, Samuel S (DFW); Greg Morris (morg@yakamafish-nsn.gov); martin_acker@fws.gov; Shannon Wills
Subject: Re: Water Type Modification Requests

I've reviewed these 5 WTMs Scott and I concur with them.

Thanks,

Rod

Sent from my iPhone

On Jul 8, 2015, at 11:48 AM, HANCOCK, SCOTT (DNR) <SCOTT.HANCOCK@dnr.wa.gov> wrote:

Hello-

I am trying to clean up some Water Type Modification Requests since we won't be meeting as group for a while. Please review the attached requests and let me know if you concur, would like to do a site visit or have any comments. All five of these look pretty straight forward to me, adding, removing and changing the location of streams. Please take a look and get back to me by July 24th. Thanks

Scott Hancock
Forest Practices Forester, Washougal Unit
Pacific Cascade Region
Washington State Department of Natural Resources (DNR)
Office: 360-577-2025
Cell: 360-608-9294

<PC-27-15-0068.pdf>

<PC-27-15-0069.pdf>



<PC-27-15-0114.pdf>

Received Date

Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| | | |
|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|----------------------------------------------|
| * Proponent name  Kirk S Naylor | Organization name and address PacificCorp Energy 825 NE Multnomah, Ste 1500 Portland, OR 97232 | Telephone number (503) 913-6619 |
| | | Email address Kirk.naylor@pacificcorp.com |
| Surveyor name (s) Joe Berry  | Organization name and address Chilton Logging Inc 17600 Dawn River Dr. Woodland, WA 98674 | Telephone number (509) 660-8760 |
| | | Email address jberry@chiltonlogging.com |

Check applicable boxes:



- ☐ *Adding streams/lakes ☐ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☒ *Changing location of streams/lakes (describe in box 16)

| | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------|--|
| 1. *Water Segment ID <i>AA</i> | 2. Name of Water <i>—</i> | 3. Tributary To <i>Lake Merwin</i> | 4. *Legal Description (1/4, 1/4 Section, Township, Range, EW) <i>NW, SE Sec. 25, T6N, R2E</i> | |
| 5. *County <i>Clark</i> | 6. Water Type Shown on Map <i>Np</i> | 7. Proposed Water Type <i>Np</i> | 8. *Date of Field Assessment <i>04/15/15</i> | |
| 9. *Forest Practices Application Number(s) (if applicable) <i>—</i> | | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (If you check this box attach ID team report) <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements If you check this box fill out block 11-16 <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: _____ | | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input type="checkbox"/> Below Normal | | | | |
| Was there a drought warning issued by the DNR? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: | | | | |

Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| | | |
|------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| * Proponent name  Kirk S Naylor | Organization name and address PacificCorp Energy 825 NE Multnomah, Ste 1500 Portland, OR 97232 | Telephone number (503) 813-6619 Email address Kirk.Naylor@pacificcorp.com |
| Surveyor name (s) Joe Berry  | Organization name and address Chilton Logging Inc 17600 Down River Dr. Woodland, WA 98674 | Telephone number (509) 660-8760 Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☒ *Adding streams/lakes ☐ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☐ *Changing location of streams/lakes (describe in box 16)

| | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------------------|----------------------------------------------------------------------------------------------|--|
| 1. *Water Segment ID BB, CC, DD, EE | 2. Name of Water _____ | 3. Tributary To Lake Merwin | 4. *Legal Description (1/4, 1/4 Section, Township, Range, EW) NW, SE Sec. 25, T6N, R2E | |
| 5. *County Clark | 6. Water Type Shown on Map _____ | 7. Proposed Water Type NP | 8. *Date of Field Assessment 04/15/15 | |
| 9. *Forest Practices Application Number(s) (if applicable) _____ | | | | |
| 10. Change is based on the following (check <u>all</u> that apply). | | | | |
| Survey method: | | | | |
| <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) | | | | |
| <input type="checkbox"/> ID Team: (If you check this box attach ID team report) | | | | |
| <input type="checkbox"/> Visual observation (If you check this box fill out block 11-16) | | | | |
| <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) | | | | |
| <input type="checkbox"/> Incremental Measurements If you check this box fill out block 11-16) | | | | |
| <input type="checkbox"/> Fish found List species found (if known) _____ | | | | |
| <input type="checkbox"/> No fish found | | | | |
| <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) | | | | |
| <input type="checkbox"/> Channel is a public water diversion | | Distance from diversion _____ | | |
| <input type="checkbox"/> Channel is a fish hatchery diversion | | Hatchery name _____ | | |
| | | Distance downstream from hatchery _____ | | |
| <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. | | | | |
| Describe: | | | | |
| | | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input type="checkbox"/> Normal <input type="checkbox"/> Below Normal | | | | |
| Was there a drought warning issued by the DNR? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | |
| Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) | | | | |
| If yes, describe: | | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (*attached survey information*)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☐ Physical characteristics
☐ Other (describe): _____

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☐ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): _____

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☐ No

☐ Yes. Estimate when the event occurred _____

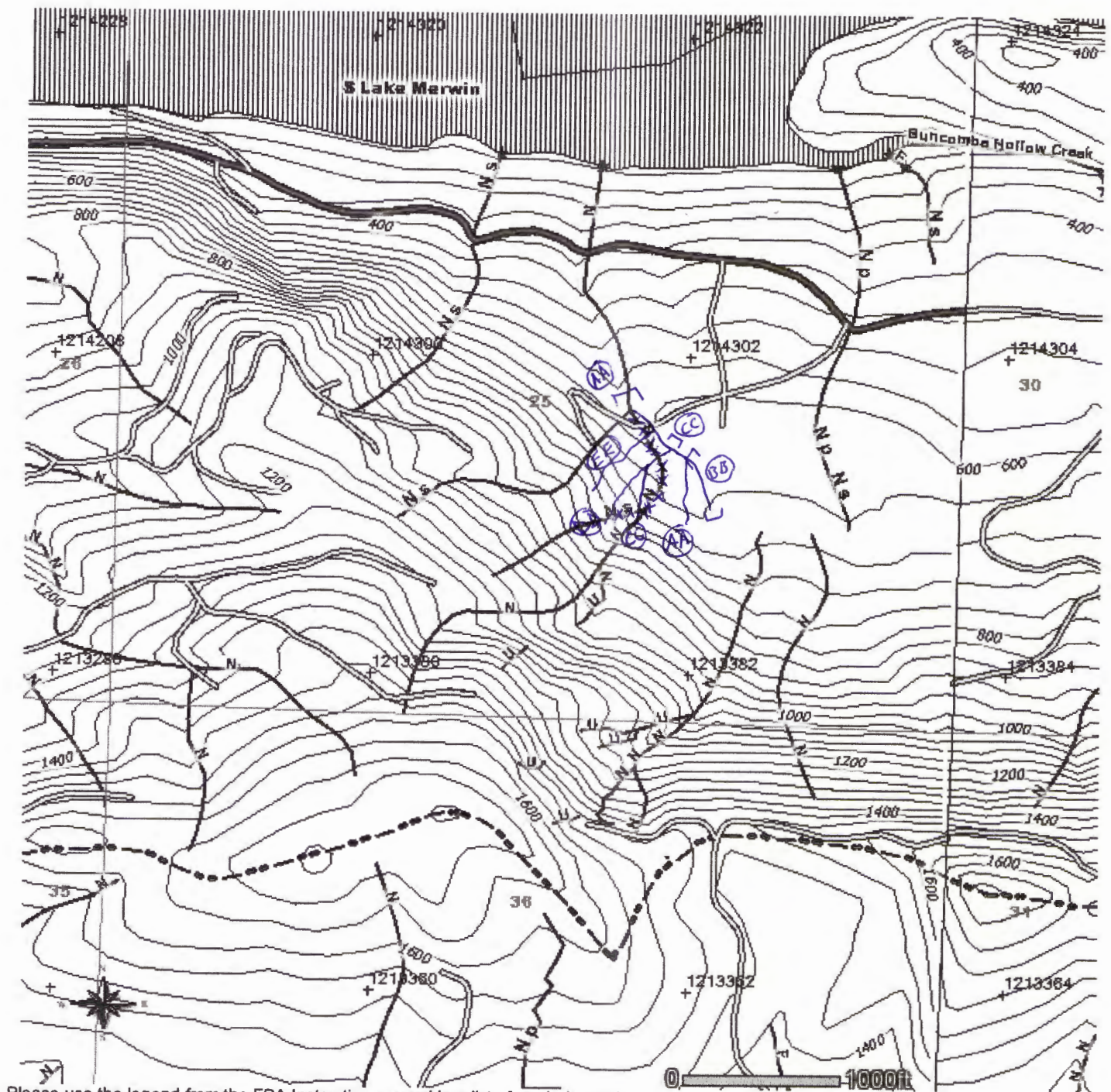
Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

All streams are upstream of Non-fish (PC27140132)

TOWNSHIP 6 NORTH HALF 0, RANGE 2 EAST (W.M.) HALF 0, SECTION 25

Application #: **PC-27-15-0114**



Please use the legend from the FPA Instruction or provide a list of symbols used.

4/21/2015, 3:32:03 PM
NAD 83
Contour Interval: 40 Feet

2015 Water Modification Forms
Unit 26 – Lewis River



| Region Reference Number- DNR Use Only | | | |
|---------------------------------------|------|------|--------|
| Region | WRIA | Year | Number |
| PC | 27 | 15 | 0116 |
| Comment Due Date 7/8/2015 | | | |

DNR Office Summary

(For office use only)

| Name of Reviewers | Concur | Non-concur | Date Comment Received | | | |
|--------------------|-----------|------------|-----------------------|-------|-----------------|----------|
| | | | Email | Phone | In Person | No Reply |
| DNR: Geoff Crosby | <i>GC</i> | | | | <i>10-21-15</i> | |
| WDFW: Sam Kolb | ✓ | | | | <i>10-20-15</i> | |
| DOE: Rod Thysell | <i>RT</i> | | | | <i>10/20/15</i> | |
| Tribe: Yakama | | | | | | ✓ |
| Tribe: Cowlitz | | | | | | ✓ |
| Tribe: | | | | | | |
| Other: | | | | | | |
| Other: Marty Acker | | | | | | ✓ |

☒ DNR Concur

☐ DNR Non-concur

Justification:

Office reviewers name Mandie Willenberg Position NRT3 Date 6/8/2015

Proponent and reviewers notified of by *Mandie Willenberg* on *10/22/15*
(Name) (Date)



Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| | | |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| * Proponent name <i>Kirk S. Naylor</i> <i>Kirk S. Naylor</i> | Organization name and address <i>PacificCorp Energy</i> <i>825 NE Multnomah, Ste 1500</i> <i>Portland OR 97232</i> | Telephone number <i>(503) 813-6619</i> Email address <i>Kirk.Naylor@pacificcorp.com</i> |
| Surveyor name (s) <i>Joe Berry</i> <i>Joe Berry</i> | Organization name and address <i>Chilton Logging Inc</i> <i>1760 Down River Dr</i> <i>Woodland, WA 98674</i> | Telephone number <i>(509) 660-8760</i> Email address <i>jberry@chiltonlogging.com</i> |

Check applicable boxes:

- | | |
|----------------------------------------------------------------------------------------------|------------------------------------------------|
| <input type="checkbox"/> *Adding streams/lakes | <input type="checkbox"/> Changing water type |
| <input type="checkbox"/> *Removing streams/lakes (describe in box 16) | <input type="checkbox"/> Other. Describe _____ |
| <input checked="" type="checkbox"/> *Changing location of streams/lakes (describe in box 16) | |

| | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID <i>FF</i> | 2. Name of Water <i>_____</i> | 3. Tributary To <i>Xale Lake</i> | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) <i>NW, SE Sec. 20, T 7N, R 5E</i> |
| 5. *County <i>Sherman</i> | 6. Water Type Shown on Map <i>N₅</i> | 7. Proposed Water Type <i>N₅</i> | 8. *Date of Field Assessment <i>04/20/15</i> |
| 9. *Forest Practices Application Number(s) (if applicable) <i>_____</i> | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (If you check this box attach ID team report) <input checked="" type="checkbox"/> Visual observation (If you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: _____ | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Below Normal Was there a drought warning issued by the DNR? <input type="checkbox"/> Yes <input type="checkbox"/> No Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: _____ | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (*attached survey information*)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☐ Physical characteristics
☐ Other (describe): N/A

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☒ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☒ Other (describe): PC27440218

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☒ No

☐ Yes. Estimate when the event occurred _____

Describe how these affected current stream channel conditions and fish distribution in the stream.


16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

Move channel to correct location

Read instructions prior to filling out

Water Type Modification Form

(For changes to the Water Type Map)

| | | |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------------------------------------------|
| * Proponent name KTS Ngl Kirk S. Naylor | Organization name and address Pacificorp Energy 825 NE Multnomah, Ste 1500 Portland, OR 97232 | Telephone number (503) 813-6619 |
| | | Email address Kirk.naylor@pacificorp.com |
| Surveyor name (s) Joe Berry  | Organization name and address Chilton Logging Inc 1760 Down River Dr Woodlind, WA 98674 | Telephone number (509) 660-8760 |
| | | Email address jberry@chiltonlogging.com |

Check applicable boxes:

- ☐ *Adding streams/lakes ☒ Changing water type
☐ *Removing streams/lakes (describe in box 16) ☐ Other. Describe _____
☒ *Changing location of streams/lakes (describe in box 16)

| | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------|--------------------------------------------------------------------------------------------------|
| 1. *Water Segment ID <u>60</u> | 2. Name of Water <u> </u> | 3. Tributary To <u>Yale Lake</u> | 4. *Legal Description (1/4, 1/4 Section, Township, Range, E/W) <u>SW, NE Sec 20, T7N, R5E</u> |
| 5. *County <u>Skamania</u> | 6. Water Type Shown on Map <u>N</u> | 7. Proposed Water Type <u>Ns</u> | 8. *Date of Field Assessment <u>04/20/15</u> |
| 9. *Forest Practices Application Number(s) (if applicable) <u> </u> | | | |
| 10. Change is based on the following (check <u>all</u> that apply). Survey method: <input type="checkbox"/> Electrofishing Protocol Survey (attach survey report; if report addresses information in block 11-16 no need to fill in these blocks) <input type="checkbox"/> ID Team: (If you check this box attach ID team report) <input checked="" type="checkbox"/> Visual observation (If you check this box fill out block 11-16) <input type="checkbox"/> Random Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Incremental Measurements (If you check this box fill out block 11-16) <input type="checkbox"/> Fish found List species found (if known) _____ <input type="checkbox"/> No fish found <input type="checkbox"/> Physical characteristics (If you check this box fill out block 11-16) <input type="checkbox"/> Channel is a public water diversion Distance from diversion _____ <input type="checkbox"/> Channel is a fish hatchery diversion Hatchery name _____ Distance downstream from hatchery _____ <input type="checkbox"/> Water feature does not meet WAC 222-16-031 definition. Describe: _____ | | | |
| 11. Water levels in the survey area were: <input type="checkbox"/> Above Normal <input checked="" type="checkbox"/> Normal <input type="checkbox"/> Below Normal Was there a drought warning issued by the DNR? <input type="checkbox"/> Yes <input type="checkbox"/> No Document is located at (http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx) If yes, describe: _____ | | | |

12. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)

Number of bankfull width measurements _____
 Widest bankfull width measurement _____
 Lowest gradient _____
 Average gradient _____
 Ponds and impoundments >0.5 acre ☐ Yes ☐ No

Narrowest bankfull width measurement _____
 Average bankfull width _____
 Steepest gradient _____
 Average wetted width _____
 Number of protocol pools _____

13. The water type break was determined by: (Check all boxes that apply. For multiple segments use stream tally sheet.)

- ☐ Protocol electrofishing survey (*attached survey information*)
☐ The end of harvest or property boundary
☐ The junction of two or more streams
 Do the Type F physical characteristics occur above surveyed segment? ☐ Yes ☐ No
☐ The uppermost point of perennial flow. (describe in block 16)
☐ The last observed fish
☐ The upper extent of proposed fish habitat
☐ Physical characteristics
☒ Other (describe): Dry Channel

Provide a description of water type break, how it is marked in the field and if available latitude and longitude of type break location:

14. Are there any fish passage barriers downstream of the surveyed stream segment(s)?

- ☐ No. Continue to block 15
☐ Unable to access
☒ Yes. Mark box(s) below

☐ Natural barriers: ☐ Falls ☐ Cascades ☐ Bedrock chutes ☐ Other (describe): PC 27PY 0218

Enter the length, height and gradient of the natural barrier you checked.

Length _____ Height _____ Gradient _____

☐ Temporary barriers (log jams)

☐ Man-made barriers, Describe: _____

Were fish observed above the barrier? ☐ Yes ☐ No

Fish passage barriers were identified by: ☐ Maps ☐ Field observation

Describe location:

15. Is there evidence of recent mass wasting (filling in the stream channel) or scouring events?

☒ No

☐ Yes. Estimate when the event occurred _____

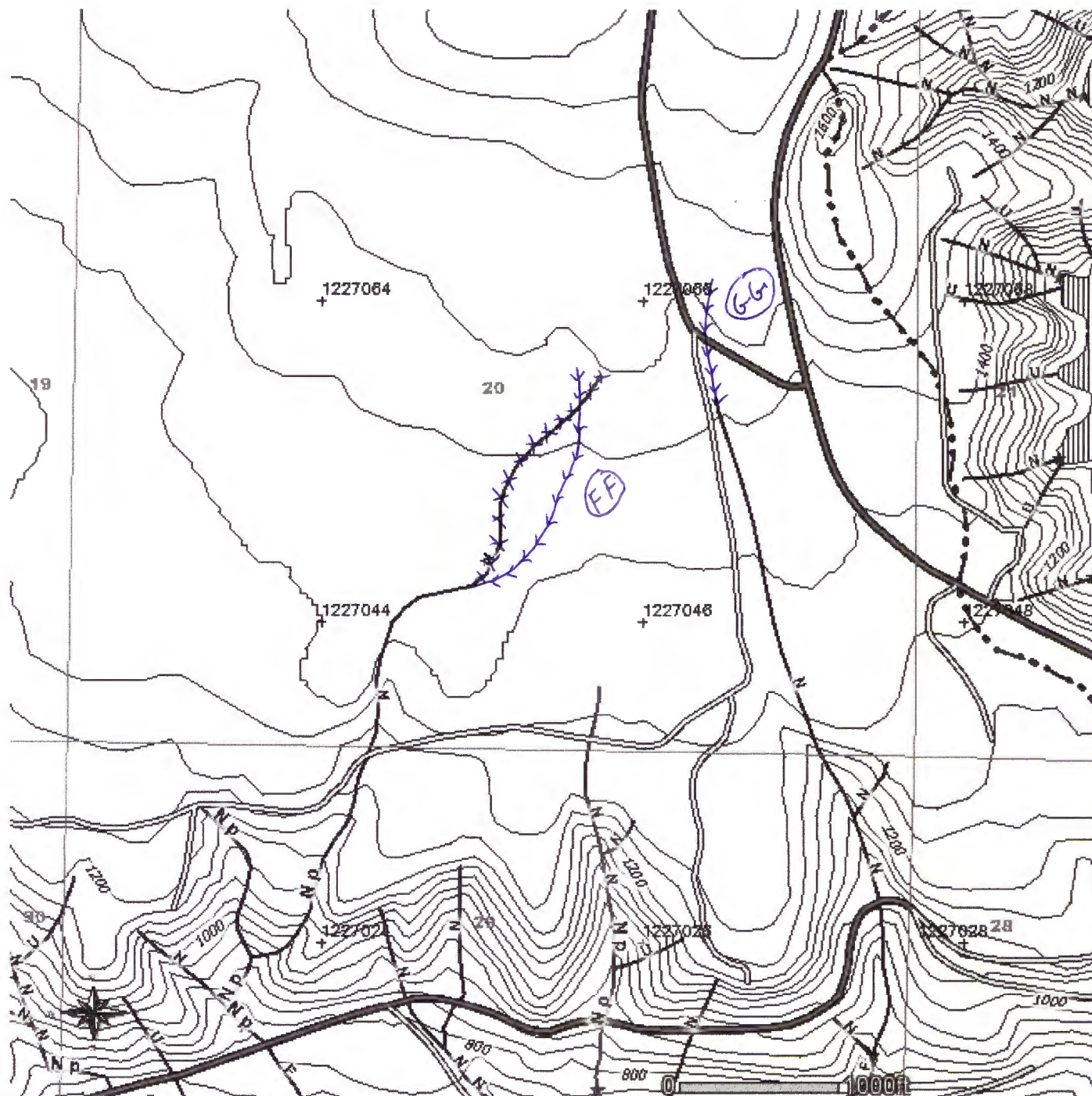
Describe how these affected current stream channel conditions and fish distribution in the stream.

16. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)

observed dry channel beyond what shown on
FPA maps.

FOREST PRACTICE ACTIVITY MAP

TOWNSHIP 7 NORTH HALF 0, RANGE 5 EAST (W.M.) HALF 0, SECTION 20

Application #: **PC-24-15-0116**

Please use the legend from the FPA Instruction or provide a list of symbols used.

4/21/2015, 3:44:38 PM
NAD 83
Contour Interval: 40 Feet