PC REGION ALTERNATE PLAN SUMMARY 2000-2015 09/05/2017

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 ID Team | | 18 Reforestation Plan | | | 19 | 20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| *Date Range* | *Region* | *FPA/N* | *FPA Acres* | *Type of Alternate Plan: Thinning, Regeneration, Hardwood Conversion* | *Water Type* | *Width of Stream* | *Length of RMZ affected for each Stream Type (feet)* | *Total RMZ Width for Each Stream Type (feet)* | *No Cut Buffer Width* for each Stream Type (feet)* | *Inner zone width for each stream type (feet)* | *Harvest on one of both sides of stream* | *Site Class* | *Activity in Inner Zone* | *Removal Method* | *Number of Core ZoneTrees Removed* | *In FPARS* | *In Region File* | *Species Planted, Number* | *Monitoring Plan Exists* | *Monitoring Components* | *Describe How Riparian Function Was Addressed* | *Missing Information* |
| **BFW Less than 5'** | | | | | | | | | | | | | | | | | | | | | | |
| 2000-2009 | PC | 2913791 | 29 | HWC | F | 2' | 1320' | 70' | 25' | 45' | both | II | Remove hardwoods to 25' buffer | Shovel | 0 | Yes - ICN | | DF WRC WH | No | Monitor until free to grow | No effect of bank stability, leaf litter, nutrients, sediment filtering, increase in LWD with wood placement in stream, short term loss of shade. | |
| 2000-2009 | PC | 2914420 | 72 | HWC | F | 4' | 2640' | 75' | 50' | 25' | Both | II | Remove hardwoods to 50' buffer | Tractor | 0 | Yes - ICN | | ? | No | ? | Minimal impact to bank stability, nutrient loading, leaf litter, and sediment filtering due to slope and width of buffers. Short term loss of shade and LWD, but improved long-term. Streambanks will be restored to prevent sedimentation. | |
| 2000-2009 | PC | 2916646 | 12 | HWC | F | 4' | 750' | 70' | 50' | 20' | Both | II | | Ground | | Yes-ICN | | DF 300-400 TPA | No | None | Short term loss of shade. Near term gain fo LWD due to blowdown. No impact on leaf litter, bank stability, or nutrient loading. | |
| 3/31/2009 - 3/30/2010 | PC | 2919967 | 32 | HWC | Type F | 4' | 1,100' | 170' | 113' | 57' | Both | II | Remove hardwoods to 113' buffer | shovel/skidder | | Yes | Yes | Doug Fir, Red Cedar mix; 300 TPA; 2-0 or better | yes | Monitor planted stand monthly for 3 to 5 years, controlling all brush | Improve long term riparian function by removing and replacing dying alder. Remaining conifers will provide some shade, nutrients, sediment, LWD and stability until planted trees mature. | |
| | | 2919967 | 32 | HWC | Type F | 4' | 1,700' | 170' | 30' | 140' | Both | II | Remove hardwoods to 30' buffer | shovel/skidder | | Yes | Yes | Doug Fir, Red Cedar mix; 300 TPA; 2-0 or better | yes | Monitor planted stand monthly for 3 to 5 years, controlling all brush | | |
| | | 2919967 | 32 | HWC | Type Np | 2' | 350' | 50' | 30' | 20' | One | II | Remove hardwoods to 30' buffer | shovel/skidder | | Yes | Yes | Doug Fir, Red Cedar mix; 300 TPA; 2-0 or better | Yes | Monitor planted stand monthly for 3 to 5 years, controlling all brush | | |
| | | 2920529 | 9.5 | HWC | Type F | 2.5' | 200' | 29' | 20' | 9' | Both | ? | Remove hardwoods to 20' buffer | #REF! | | No | No | #REF! | No | | #REF! | IDT |
| | | 2922903 | 75 | HWC | Type F | 3' | 400' | 90' | 30' | 60' | Both | V | Remove hardwoods to 30' buffer. | ground | | Yes | Yes | doug fir; 350/acre | | | | |
| | | 2922903 | 75 | HWC | Type F | 3' | 500' | 200' | 30' | 170' | Both | I | Remove hardwoods to 30' buffer. | ground | | Yes | Yes | doug fir; 350/acre | | | | |
| 3/31/2011 - 3/30 2012 | PC | 2923238 | 21.8 | HWC | Type F | 3' | 595' | ? | 10' | ? | 200' One 395' Both | II | Remove hardwoods to 10' buffer. | shovel | | No | Yes | doug fir | no | | Sound, undamaged conifers left in the Inner Zone. Heavy leaning, sound, undamaged hardwood leaning toward the stream will be left. Long term improvement. Short term loss | RMZ Width |
| | | 2923238 | 21.8 | HWC | Type Np | 2' | 490' | ? | 10' | ? | Both | II | Remove hardwoods to 10' buffer. | shovel | | | | | | | | RMZ Width |
| 3/31/2010 - 3/30/2011 | PC | 2920779 | 4.5 | HWC | Type F | 4' | 345' | 170' | 50' | 120' | o | II | Remove hardwoods to 50 'buffer | dozer | | Yes | Yes | Doug fir | no | | Current function good. Use of 50' no cut buffer, 50 to 113' leaving conifers for protection | |
| 3/31/2012 - 3/30/2013 | PC | 2924438 | 75 | HWC | Type F | 4' | 1,200' | 40' | 40' | 0' | Both | II | Remove hardwoods to 40' buffer. | shovel/rubber tired skidder | | Yes | Yes | Doug fir | No | | Long term increase in conifers, shade, debris, nutrients. Remove hazard trees along stream edge. | |
| | | 2924438 | 75 | HWC | Type F | 2' | 2,000' | 40' | 40' | 0' | ? | II | Remove hardwoods to 40' buffer. | shovel/rubber tired skidder | | Yes | Yes | Doug fir | no | | Sound, undamaged conifers left in the Inner Zone. Heavy leaning, sound, undamaged hardwood leaning toward the stream will be left. Long term improvement. Short term loss of LWD & shade. | |
| | | 2924438 | 75 | HWC | Type Np | 1' | 400' | 30' | 30' | 0' | ? | II | Remove hardwoods to 30' buffer. | shovel/rubber tired skidder | | Yes | Yes | Doug fir | no | | Long term increase in conifers, shade, debris, nutrients.Short term loss of LWD & shade. Short term loss of shade. | |
| 3/31/2013-3/31/2014 | PC | 2928173 | 26 | HWC | Type F | 4' | 1,100' | 170' | 30' | 140' | Both | II | Remove hardwoods to 30' buffer. | shovel/skidder | | Yes | Yes | doug fir, western red cedar, 300/acre | no | | Short term loss of shade, long term improvement | |
| | | 2928173 | 26 | HWC | Type F | 4' | 1,700' | 170' | 113' | 57' | Both | II | Remove hardwoods to 113' buffer. | | | | | | | | | |
| | | 2928173 | 26 | HWC | Type Np | 2' | 350' | 30' | 30' | o' | One | II | Remove hardwoods to 30' buffer. | | | | | | | | | |
| 3/31/2011 - 3/30 2012 | PC | 2923674 | 30 | HWC | Type F | 3' | 900' | 170' | 50' | 120' | Both | II | Remove hardwoods to 50' buffer. | ground | | Yes | Yes | doug fir, 350/acre | no | | | |
| | | 2924632 | 48 | HWC | Type F | 4' | 1,200' | 170' | 30' | 140' | Both | II | Remove hardwoods to 30' buffer. | ground | | Yes | Yes | doug fir, western red cedar; 350/acre | No | | Addition of 15 to 20 conifer to wetland as LWD. No reference of effect on riparian functions. Input LWD into wetland. | |
| 3/31/2013-3/31/2014 | PC | 2926261 | 25 | HWC | Type F | 3' | 850' | 170' | 30' | 140' | Both | II | Remove hardwoods to 30' buffer. | ground | | Yes | Yes | doug fir, 350/acre | no | | | |
| | | 2926296 | 60 | HWC | Type F | 3' | 800' | 30' | 30' | 0' | Both | II | Remove hardwoods to 30' buffer. | | | Yes | Yes | doug fir, 350/acre | | | Long term benefit. Short term loss of LWD & shade | |
| 3/31/2013-3/31/2014 | PC | 2927297 | 24 | HWC | Type F | 3' | 1,100' | 170' | 30' | 140' | Both | II | Remove hardwoods to 30' buffer. | ground | | Yes | Yes | doug fir | no | | Long term improvement.Documents all 5 riparian functions remain | |
| | | 2927363 | 20 | Thin | Type F | 4' | 900' | 145' | 20' | 125' | Both | I | Harvest 11 trees in inner zone for landing. | | | No | No | | | | Sound, undamaged conifers left in the Inner Zone. Heavy leaning, sound, undamaged hardwood leaning toward the stream will be left. Long term improvement.Short term loss of LWD, leaf litter, & shade | IDT |

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| 4/1/2014-3/31/2015 | PC | 2929296 | 3 | Thin | Type F | 2' | PIP | 70' | 70' | 0' | One | II | Thin to 70' buffer. | shovel | | ID Team identified but no concurrence documented | No | doug fir, 360/acre | no | Written report to DNR each Nov. for 5 years after planting. | | IDT |
| 3/31/2010 - 3/30/2011 | PC | 2921581 | 63 | Thin | Type F | 3' | 1,600' | 140' | 70' | 70' | One | III | Thin to 109 TPA to 70' buffer | leading end suspension, shovel | | Yes | Yes | Doug fir, red cedar | no | | There should be no adverse effect on the current riparian conditions. The proposed buffer generally follows along the top of the slope break. | |
| | | 2921688 | 8 | Thin | Type Np | 1.75' | 1,000' | 50' | 20' | 30' | Both | II | Thin to 190 TPA to 20' buffer | processor/forwarder and skidder | | Yes | | | | | | |
| 3/31/2010 - 3/30/2011 | PC | 2922130 | 10 | Thin | Type F | 4' | 1016' | 140' | 50' | 90' | Both | III | Rechannelize stream - maintain 50' buffer | tracked shovel/loader | | SEPA | Yes | western red cedar, doug fir, red osier dogwood, snowberry, willow | yes | No documentation | | |
| | | 2922130 | 10 | Thin | Type Np | 1.5' | 100' | 50' | 50' | 0' | Both | III | Maintain 50' buffer | tracked shovel/loader | | | | | | | Alders dying; Conifers will provide long term increase in LWD, shade, bank stability, sediment filtering, nutrients | |
| 3/31/2011 - 3/30 2012 | PC | 2923358 | 10 | Thin | Type F | 3' | 1,000' | 118' | 50' | 68' | One | II | Remove 11% of understory trees -35 trees in the RMZ. | tracked skidder | | Yes | Yes | none | no | | | |
| 2000-2009 | PC | 2917867 | 23 | Salvage | F | 3' | 525' | 140' | 50' | 90' | ? | III | Salvge trees to 50' buffer | Ground | 0 | Yes | | DF | No | None | No impact on bank stability, sediment filtering, shade, or nutrient input. LWD will be recruited in near term. | |
| 2000-2009 | PC | 2917867 | 23 | Salvage | F | 4' | 525' | 140' | 50' | 90' | ? | III | Salvge trees to 50' buffer | Ground | 0 | Yes | | DF | No | None | No impact on bank stability, sediment filtering, shade, or nutrient input. LWD will be recruited in near term. | |
| 2000-2009 | PC | 2917867 | 23 | Salvage | F | 2' | 525' | 140' | 30' | 110' | ? | III | Salvge trees to 30' buffer | Ground | 0 | Yes | | DF | No | None | No impact on bank stability, sediment filtering, shade, or nutrient input. LWD will be recruited in near term. | |
| 2000-2009 | PC | 2917867 | 23 | Salvage | F | 2' | 525' | 140' | 30' | 110' | ? | III | Salvge trees to 30' buffer | Ground | 0 | Yes | | DF | No | None | No impact on bank stability, sediment filtering, shade, or nutrient input. LWD will be recruited in near term. | |
| **BFW Between 5' and 15'** | | | | | | | | | | | | | | | | | | | | | | |
| 2000-2009 | PC | 2913430 | 27 | HWC | F | 15' | ? | 170' | 50' | 120' | One | II | Remove hardwoods to 50' buffer | Rubber tired skidder | 0 | No | | DF | No | Monitor until free to grow | No effect on bank stability, sediment filtering, or leaf litter. Short term loss of LWD and shade. | IDT |
| 2000-2009 | PC | 2913977 | 7.5 | HWC | F | 10' | 1200 | 75' | 25' | 50' | One | II | Remove hardwoods to 25' buffer | Shovel | select hardwoods | Yes - ICN | | DF WRC | No | Monitor until free to grow | No effect on bank stability, leaf litter, nutrients, swedimentfiltering, short term loss of LWD and shade. | |
| 2000-2009 | PC | 2914420 | 72 | HWC | F | 5' | 2640' | 75' | 30' | 45' | both | II | Remove hardwoods to 30' buffer | Tractor | 0 | Yes - ICN | | ? | No | ? | Bank stability and filtering minimally impacted | |
| 2000-2009 | PC | 29150998 | 14 | HWC | F | 10' | 1100' | 170' | 50' | 120' | One | II | Remove hardwoods to 50' buffer | Rubber tired skidder | 2 | No | | DF, shade tolerant conifer | No | Inspect annually to assure 150 TPA free to grow | No decrease in bank stability, shade, nutrient input or litter fall due to buffer. No decrease in LWD. | IDT |
| 2000-2009 | PC | 2915912 | 21 | HWC | F | 10' | 2200' | 170' | 70' | 100' | Both | II | Remove hardwoods to 70' buffer | Rubber tired skidder/Shovel | 0 | ICN# 00456 | | DF, WRC at 360 TPA | No | Inspect annually to assure 150 TPA free to grow | No impact on bank stability, nutrient litter fall, or sediment filtering due to buffer. LWD is adequate. There will be a Decrease in shade. | |
| 2000-2009 | PC | 2917977 | 33 | HWC | F | 8' | 1900' | 170' | 50' | 120' | Both | II | Remove hardwoods to 50' buffer | Rubber tired skidder | | Yes - ICN | | DF WRC Spruce | No | None | No impact to bank stability, LWD, shade, and sediement filtering due to no cut buffer. Short term loss of litterfall and nutrients. | |
| 2000-2009 | PC | 2914004 | 25 | HWC | F | 8' | 400' | 170' | 50' | 120' | Both | II | Remove hardwoods to 50" buffer | Shovel | 0 | Yes - ICN | | DF | No | ? | No effect on bank stability, leaf litter, nutrient loading, sediment filtering because of no-cut buffer. Short-term loss of shade and LWD | |
| 2000-2009 | PC | 2914004 | 25 | HWC | F | 8' | 400' | 90' | 30' | 60' | Both | V | Remove hardwoods to 30' buffer | Shovel | 0 | Yes - ICN | | DF | No | ? | No effect on bank stability, leaf litter, nutrient loading, sediment filtering because of no-cut buffer. Short-term loss of shade and LWD | |
| 2000-2009 | PC | 2914004 | 25 | HWC | F | 11' | 400' | 90' | 30' | 60' | Both | V | Remove hardwoods to 30' buffer | Shovel | 0 | Yes-ICN | | DF | No | ? | No effect on bank stability, leaf litter, nutrient loading, sediment filtering because of no-cut buffer. Short-term loss of shade and LWD | |
| 2000-2009 | PC | 2917138 | 19 | HWC | F | 5' | 1000' | 25' | ? | ? | Both | V | | skidder/shovel | | Yes-ICN | | Natural Regeneration | No | None | ICN states - Long and short term riaprian functions will be protected with very little, if any, negative impacts. | |
| 2000-2009 | PC | 2918334 | 6 | HWC | F | 15' | 100' | 170' | 50' | 120' | ? | II | Remove hardwoods to 50' buffer | Rubber tired skidder | 0 | Yes | | Conifer | No | Maintain seedlings until above competing vegetation | No impact on bank stability shade, nutrient input or sediemnt filtering because of 50' buffer, long term increase in LWD, | |
| 2000-2009 | PC | 2905194 | 32 | HWC | F | 10' | 2050' | 200' | 50' | 150' | ? | I | Remove hardwoods to 50' buffer | Ground based | 0 | Yes | | 200 WH, 100 Spruce /acre | No | Vegetation management | Short term loss of LWD, minimal change of other riparian functions. | |
| 2000-2009 | PC | 2910451 | 45 | HWC | F | 5' | 1,500 | 170' | 25' | 145' | both | II | Remove hardwoods to 25' buffer | ? | 0 | No | No | Interplant if stocking goes below 350 TPA | No | Tubing, brish control | No impact on bank stability, LWD, leaf litter, nutrient loading, sediment filtering, or shade. | IDT |
| 2000-2009 | PC | 2914554 | 16 | HWC | F | 5' | 1,860 | 170' | 25' | 145' | ? | II | Remove hardwoods to 25' buffer | Skidder | 0 | Yes | | Df | No | ? | Minor loss of LWD and shade. No impact on bank stability, sediment filtering, leaf litter/nutrient loading. | |

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| 2000-2009 | PC | 2914554 | 16 | HWC | F | 5' | 1.86 | 170' | 25' | 145' | ? | II | Remove hardwoods to 25' buffer | Skidder | 0 | Yes | | DF | No | ? | Minor loss of LWD and shade. No impact on bank stability, sediment filtering, leaf litter/nutrient loading. | |
| 3/31/2009 - 3/30/2010 | PC | 2920007 | 10 | HWC | Type F | 5' | 400' | 170' | 30' | 140' | ? | II | Remove hardwoods to 30' buffer | rubber tired skidder | | Yes | Yes | Doug fir, Cedar | no | | No short or long term impacts to bank stability, nutrients, sediment filtering, shade. Even aged management may increase woody debris through blow | |
| | | 2920007 | 10 | HWC | Type F | 5' | 400' | 170' | 30' | 140' | ? | II | Remove hardwoods to 30' buffer | rubber tired skidder | | Yes | Yes | Doug fir, Cedar | No | | | |
| 3/31/2010 - 3/30/2011 | PC | 2921115 | 8 | HWC | Type F | 10' | ? | 170' | 70' | 100' | One | II | Remove hardwoods to 70' buffer | tracked skidder shovel | | Yes | Yes | Doug fir 350 TPA | no | | A short term loss of shade and hardwood LWD recruitment, but would have long term gain from establishment of a conifer dominant stand. Litter fall and nutrient loading would not be significantly impacted as the majority of trees providing these functions would be left in the RMZ. Bank stability would be minimally impacted as the trees providing anchoring would be preserved | |
| 3/31/2011 - 3/30 2012 | PC | 2922272 | 32 | HWC | Type F | 6' | 1,200' | 70' | 35' | 35' | Both | II | Remove hardwoods to 35' buffer. | tracked skidder, cable | | Yes | Yes | Doug fir | no | | Very little function now, long term improvement across the board | |
| 3/31/2011 - 3/30 2012 | PC | 2922446 | 15 | HWC | Type S | 15' | 800' | 170' | 30' | 140' | One | II | Remove hardwoods to 30' buffer. | ground/cable | | Yes | Yes | doug fir; 350/acre | no | | Adding woody debris, leaving trees leaning toward stream, no cut buffer. All riparian functions maintained | |
| 3/31/2011 - 3/30 2012 | PC | 2922943 | 33 | HWC | Type F | 12' | ? | 35' | 35' | 0' | Both | II | Remove hardwoods to 35' buffer. | shovel, tracked skidder | | Yes | Yes | doug fir, 400/acre | no | | Establishing a healthy conifer community. Short term loss of shade. | |
| 3/31/2011 - 3/30 2012 | PC | 2922999 | 38 | HWC | Type F | 9' | 1,500' | 170' | 50' | 120' | Both | II | Remove hardwoods to 50' buffer. | ground | | Yes | Yes | doug fir, 350/acre | no | | Leaving large maples, all conifers . No reference to effect on riparian functions. Entire unit is in CMZ. | |
| 3/31/2011 - 3/30 2012 | PC | 2924151 | 330 | HWC | Type F | 12' | ? | 170' | 25' | 145' | Both | II | Remove hardwoods to 25' buffer. | rubber tire skidder | | Yes | Yes | doug fir, red alder, red cedar; 400/acre | No | | Establishing healthy conifer stand.Short term loss of shade | |
| | | 2924632 | 48 | HWC | Type F | 6' | 2,400' | 170' | 30' | 140' | Both | II | Remove hardwoods to 30' buffer. | ground | | Yes | Yes | doug fir, western red cedar; 350/acre | No | | | |
| | | 2924632 | 48 | HWC | Type F | 5' | 500' | 170' | 30' | 140' | Both | II | Remove hardwoods to 30' buffer. | ground | | Yes | Yes | doug fir, western red cedar; 350/acre | No | | | |
| 3/31/2012 - 3/30/2013 | PC | 2925110 | 49 | HWC | Type F | 5' | 500' | 30' | 30' | 0' | One | II | Remove hardwoods to 30' buffer. | rubber tired skidder/dozer | | Yes | Yes | doug fir, western red cedar | No | | | |
| 3/31/2012 - 3/30/2013 | PC | 2925178 | 30 | HWC | Type F | 12' | 1,700' | 90' | 30' | 60' | Both | V | Remove hardwoods to 30' buffer. | ground | | Yes | Yes | doug fir; 350/acre | No | | | |
| 3/31/2012 - 3/30/2013 | PC | 2925552 | 119 | HWC | Type F | 12' | 700' | 170' | 30' | 140' | One | II | Remove hardwoods to 30' buffer. | ground | | Yes | Yes | | No | | Long term benefit | |
| | | 2926031 | 5 | HWC | Type F | 5' | 170' | 170' | 50' | 120' | One | II | | | | | | | | | Sound, undamaged conifers left in the Inner Zone. Heavy leaning, sound, undamaged hardwood leaning toward the stream will be left. Long term improvement.Short term loss of LWD & shade | |
| 3/31/2013-3/31/2014 | PC | 2926296 | 60 | HWC | Type F | 11' | 2,000' | 30' | 30' | 0' | Both | II | Remove hardwoods to 30' buffer. | ground | | Yes | Yes | doug fir, 350/acre | no | | Long term benefit. All riparian functions maintained | |
| | | 2926296 | 60 | HWC | Type F | 7' | 700' | 30' | 30' | 0' | Both | II | Remove hardwoods to 30' buffer. | | | Yes | Yes | doug fir, 350/acre | | | Long term benefit. No reference to effect on riparian buffers. | |
| | | 2926296 | 60 | HWC | Type F | 7' | 700' | 30' | 30' | 0' | Both | II | Remove hardwoods to 30' buffer. | | | Yes | Yes | doug fir, 350/acre | | | Sound, undamaged conifers left in the Inner Zone. Heavy leaning, sound, undamaged hardwood leaning toward the stream will be left. Long term improvement.Short term loss of LWD & shade | |
| 3/31/2013-3/31/2014 | PC | 2926833 | 40 | HWC | Type F | 11' | 1,200' | 170' | 50' | 120' | One | II | Remove hardwoods to 50' buffer | rubber tired or tracked skidder, dozer, shovel, leading end suspension | | Yes | Yes | doug fir | no | | | |
| 3/31/2013-3/31/2014 | PC | 2927166 | 76 | HWC | Type F | 13' | 2,000 | 30' | 30' | 0' | One | I | Remove hardwoods to 30' buffer. | ground | ? | No | No | doug fir | no | | | IDT |
| 3/31/2013-3/31/2014 | PC | 2927815 | 330 | HWC | Type F | 6' | 600' | 170' | 30' | 140' | Both | II | Remove hardwoods to 30' buffer. | rubber tired skidder | | Yes | Yes | doug fir | no | | | |
| 4/1/2014-3/31/2015 | PC | 2929274 | 24 | HWC | Type F | 5' | 900' | 170' | 30' | 140' | One | II | Remove hardwoods to 30' buffer. | ground | | Yes | Yes | doug fir, oregon ash 350 TPA | no | | No page 2&3 of Alternate Plan Form | |
| | | 2921688 | 8 | Thin | Type F | 10' | 500' | 128' | 40' | 88' | Both | II | Thin to 190 TPA to 40' buffer | processor/forwarder and skidder | | Yes | | | | | Prescription favors the development of multi-level forest canopy which will provide for increasing levels of shade, bank stability, etc with time. | |
| 3/31/2012 - 3/30/2013 | PC | 2924414 | 20 | Thin | Type F | 10' | 1,000 | 170' | 170' | 0' | One | II | Harvest of over mature timber. | shovel | | ID team noted but no documentation | No | Doug fir, western red cedar | No | | | |
| | | 2924414 | 20 | Thin | Type F | 10' | 1,000 | 170' | 25' | 146 | One | | Harvest of over mature timber to 25' buffer | shovel | | ID team noted but no documentation | No | Doug fir, western red cedar | | | Alder leaning toward stream to be left, establishment of healthy conifer | RMZ Width |
| | | 2924414 | 20 | Thin | Type F | 5' | 1,200 | 170' | 0' | 0' | One | | Harvest over mature timber to 0' buffer | shovel | | ID team noted but no documentation | No | Doug fir, western red cedar | | | Minimal harvest (139 left, 35 removed). No impact on riparian functions.Short term loss of LWD & shade. | |

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| 3/31/2013-3/31/2014 | PC | 2926228 | 35 | Thin | Type F | 5' | 700' | 100' | 50' | 50' | Both | II | Harvest most dominant fir & cedar. Retain hardwoods | skidder, cat, excavator | | Yes | Yes | doug fir, 350/acre | no | | | |
| 3/31/2013-3/31/2014 | PC | 2928230 | 29 | Thin | Type F | 8' | 2,600' | 30' | 30' | 0' | Both | II | Thin smaller diameter trees, economic gain. | CTL processor, forwarder, hand fall, dozed with grapple, processor fall and dozer yard | | Yes | Yes | doug fir | no | | Short term loss of shade, long term improvement.Short term shade reduction & nutrient input. | |
| | | 2928230 | 29 | Thin | Type F | 6' | 850' | 30' | 30' | 0' | Both | II | Thin to 125-275 TPA to 30' buffer | | | Yes | | | | | Sound, undamaged conifers left in the Inner Zone. Heavy leaning, sound, undamaged hardwood leaning toward the stream will be left. Long term improvement.Short term loss of LWD & shade | |
| 2000-2009 | PC | 2910803 | 22 | Thin | F | 10' | 1,460' | 140' | 14' | 126' | ? | III | ? | Skidder | 0 | No | No | none | No | none | Minor loss of LWD and shade. No impact on bank stability, sediment filtering, leaf litter/nutrient loading. | IDT |
| **BFW Greater than 15'** | | | | | | | | | | | | | | | | | | | | | | |
| 3/31/2013-3/31/2014 | PC | 2926343 | 106 | HWC | Type F | 20' | 1,600' | 170' | 60' | 110' | Both | II | Remove hardwoods to 60' buffer. | tractor, leading end suspension | ? | Yes | Yes | doug fir, western red cedar | no | | No change to riparian functions. | |
| 2000-2009 | PC | 2918334 | 6 | HWC | S | 50' | 400' | 170' | 50' | 120' | ? | II | Remove hardwoods to 50' buffer | Rubber tired skidder | 0 | Yes | | Conifer | No | Maintain seedlings until above competing vegetation | Increase in LWD, long term improvement in sediment filtering, stream stability. All riparian functions reduced for the short term | |
| 2000-2009 | PC | 2910451 | 45 | HWC | S | 100' | 3,500' | 140' | 30' | 110' | both | III | Remove hardwoods to 30' buffer | ? | 0 | No | No | Interplant if stocking goes below 350 TPA | No | Tubing, brish control | | IDT |
| 2000-2009 | PC | 2910451 | 45 | HWC | F | 20' | 1,200 | 170' | 25' | 145' | both | II | Remove hardwoods to 25' buffer | ? | 0 | No | No | Interplant if stocking goes below 350 TPA | no | Tubing, brish control | | IDT |
| 2000-2009 | PC | 2914554 | 16 | HWC | S | 20' | 1,860 | 170' | 50' | 120' | ? | II | Remove hardwwods to 50' buffer | Skidder | 0 | Yes | | DF | No | ? | Long term benefit. No loss of riparian functions | |
| 3/31/2009 - 3/30/2010 | PC | 2920367 | 3 | HWC | Type F | 100' | 300' | 170' | 0' | 170' | One | II | Remove old dying and leaning hardwoods to 0' buffer | rubber tired skidder/shovel | | Yes | Yes | Doug fir | no | | | |
| 3/31/2009 - 3/30/2010 | PC | 2920384 | 26 | HWC | Type F | 100' | 800' | 140' | 50' | 90' | One | III | Remove hardwoods to 50' buffer | shovel/skidder | | Yes | Yes | Doug fir, white pine; 400/acre | yes | Monitor until trees established; herbicides applied to maple, red alder slashed | | |
| 3/31/2010 - 3/30/2011 | PC | 2921117 | 50 | HWC | Type F | 20' | 200' | 170' | 50' | 120' | One | II | Remove hardwoods to 50'buffer | tracked skidder | | Yes | Yes | Doug fir | no | | Sound, undamaged conifers left in the Inner Zone. Heavy leaning, sound, undamaged hardwood leaning toward the stream will be left. Long term improvement. No LWD input, reduced shade short term. | |
| | | 2921117 | 50 | HWC | Type F | 30' | 200' | 170' | 50' | 120' | One | II | Remove hardwoods to 50' buffer | tracked skidder | | | | | | | no harvest on slope, no short or long term changes. No change in 5 RMZ functions. | |
| 3/31/2010 - 3/30/2011 | PC | 2921856 | 9 | HWC | Type S | 200' | 2,500' | 70' | 60' | 10' | One | II | Remove hardwoods to 60'buffer | tracked skidder/shovel | | Yes | Yes | Doug fir, western red cedar, western hemlock; 450/acre | no | | No impact on bank stability, LWD, leaf litter, nutrient loading, sediment filtering, or shade. | |
| | | 2921856 | 9 | HWC | Type F | 20' | 500' | 50' | 35' | 15' | One | V | Remove hardwoods to 35' buffer | tracked skidder/shovel | | Yes | | Doug fir, western red cedar, western hemlock; 450/acre | No | | No impact on bank stability, LWD, leaf litter, nutrient loading, sediment filtering, or shade. | |
| 3/31/2011 - 3/30 2012 | PC | 2922903 | 75 | HWC | Type S | 60' | 1,000' | 90' | 30' | 60' | One | V | Remove hardwoods to 30' buffer. | ground | | Yes | Yes | doug fir; 350/acre | no | | Minor loss of LWD and shade. No impact on bank stability, sediment filtering, leaf litter/nutrient loading. | |
| | | 2922903 | 75 | HWC | Type S | 60' | 1,000' | 200' | 30' | 170' | One | I | Remove hardwoods to 30' buffer. | ground | | Yes | Yes | doug fir; 350/acre | | | Currently no large woody debris and little shade, bank stability is not a factor as this is a man made recreational lake and the terrain is near 0% slope. By planting Douglas fir with the intent not to harvest, but let grow to enhance the surrounding scenic area can only be seen as a major improvement. | |
| 3/31/2011 - 3/30 2012 | PC | 2922333 | 75 | HWC | Type S | 60' | 1,400' | 200' | 30' | 170' | One | I | Remove hardwoods & salvage log to 30' buffer. Harvest in wetland. | ground | | Yes | Yes | doug fir; 350/acre | no | | Replace small portions of the current hardwood dominant RMZ with a conifer dominant forest over a period of 25-30 years. Harvest areas limited to slopes under 65% and areas where bank stability is good. Leaf litter and nutrient loading would be minimally impacted as the majority of trees currently providing those functions would be left in the buffer. | |
| | | 2922333 | 75 | HWC | Type S | 60' | 1,500' | 200' | 30' | 170' | Both | V | Remove hardwoods & salvage log to 30' buffer. Harvest in wetland. | ground | | Yes | | doug fir; 350/acre | | | | |
| | | 2922333 | 75 | HWC | Type S | 60' | 800' | 90' | 30' | 60' | One | V | Remove hardwoods & salvage log to 30' buffer. Harvest in wetland. | ground | | Yes | | doug fir; 350/acre | | | Road moved away from stream | |

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| | | 2922333 | 75 | HWC | Type S | 60' | 800' | 90' | 30' | 60' | One | V | Remove hardwoods & salvage log to 30' buffer. Harvest in wetland. | ground | | Yes | | doug fir; 350/acre | | | Leaving conifers within 128' of stream; all alder leaning toward stream and maples closest to stream. Short term loss of LWD & shade | |
| 3/31/2011 - 3/30 2012 | PC | 2922725 | 9 | HWC | Type S | 50' | 1,500' | 170' | 30' | 140' | Both | II | Remove hardwoods to 30' buffer. | ground | | Yes | Yes | doug fir; 350/acre | no | | Leaving sound inner zone conifers and undamaged, hardwoods leaning toward stream. Short term loss of LWD & shade. | |
| 3/31/2011 - 3/30 2012 | PC | 2922341 | 24 | HWC | Type S | 100' | 850' | 50' | 50' | 0' | One | II | Remove hardwoods to 50' buffer. | tracked skidder/shovel | | Yes | Yes | doug fir; western red cedar; alder; hemlock; 400/acre | no | | | |
| 3/31/2011 - 3/30 2012 | PC | 2922831 | 100 | HWC | Type S | 180' | 6,000' | 170' | 145'' | 25' | One | II | Remove hardwoods to 145' buffer. | shovel | | Yes | Yes | Grand fir; 400/acre | no | | Meander creation, restoration of creek | |
| | | 2922903 | 75 | HWC | Type S | 60' | 800' | 200' | 30' | 170' | Both | I | Remove hardwoods to 30' buffer. | ground | | Yes | Yes | doug fir; 350/acre | | | | |
| 3/31/2012 - 3/30/2013 | PC | 2925859 | 19 | HWC | Type F | 55' | 1,000' | 140' | 50' | 90' | One | III | Remove hardwoods & salvage log to 50' buffer. Salvage within wetland buffer. | dozer | | Yes | Yes | western red cedar | yes | Tree health and growth is recorded in the first quarter; Protective wire is repaired and adjusted through the second and third quarters; Competing vegetation is cut back with hand tools, usually twice during the growing season; Fertilizer and lime is applied in the first quarter; Replanting as needed in first quarter. | | |
| 3/31/2012 - 3/30/2013 | PC | 2926031 | 5 | HWC | Type F | 30' | 300' | 170' | 50' | 120' | One | II | Remove hardwoods to 50' buffer. | shovel/track | | Yes | Yes | doug fir; 350/acre | no | | No documentation | |
| 3/31/2012 - 3/30/2013 | PC | 2924632 | 48 | HWC | Type S | 100' | 700' | 170' | 30' | 140' | One | II | Remove hardwoods to 30' buffer. | ground | | Yes | Yes | doug fir, western red cedar; 350/acre | No | | | |
| | | 2926343 | 106 | HWC | Type F | 30' | 600' | 170' | 75' | 95' | One | | Remove hardwoods to 75' buffer | | | Yes | Yes | doug fir, western red cedar | no | | Sound, undamaged conifers left in the Inner Zone. Heavy leaning, sound, undamaged hardwood leaning toward the stream will be left. Long term improvement.Short term loss of LWD & shade | |
| 3/31/2010 - 3/30/2011 | PC | 2921626 | 22.5 | Thin | Type F | 20' | 350' | 50' | 50' | 0' | One | II | Remove 21 trees for road location | shovel/track skidder | | Yes | Yes | doug fir, alder, western red cedar | no | | | |
| 3/31/2010 - 3/30/2011 | PC | 2921688 | 8 | Thin | Type S | 75' | 1,500' | 200' | 40' | 160' | One | II | Thin to 190 TPA to 40' buffer | processor/forwarder and skidder | | Yes | Yes | | | | No effect on bank stability, leaf litter, sediment filtering. Short-term loss of LWD and shade. | |
| | | 2921688 | 8 | Thin | Type F | 40' | 660' | 128' | 40' | 88' | One | II | Thin to 190 TPA to 40' buffer | processor/forwarder and skidder | | Yes | | | | | No impact on bank stability shade, nutrient input or sediemnt filtering because of 50' buffer, long term increase in LWD, | |
| 3/31/2013 - 3/31/2014 | PC | 2927363 | 20 | Thin | Type F | 20' | 1,500' | 145' | 125' | 20' | One | I | Harvest 11 trees in inner zone for landing. | shovel/tracked skidder | | No | No | doug fir | no | | Sound, undamaged conifers left in the Inner Zone. Heavy leaning, sound, undamaged hardwood leaning toward the stream will be left. Long term improvement.Short term loss of LWD, leaf litter, & shade | IDT |
| **Actual BFW Unknown** | | | | | | | | | | | | | | | | | | | | | | |
| 2000-2009 | PC | 2910540 | 40 | Thin | S | >10' | 200' | 200' | 14' | 186' | both | I | Thin to 150-200 TPA | Skidder | | No | | None | No | None | No effect on bank stability, leaf litter nutrient loading, or sediment filtering. short term loss of LWD and shade | IDT |
| 2000-2009 | PC | 2910540 | 40 | Thin | F | >10' | 1300' | 200' | ? | ? | both | I | Thin to 150-200 TPA | Skidder | | No | | None | No | None | No effect on bank stability, leaf litter nutrient loading, or sediment filtering. short term loss of LWD and shade | IDT |
| 3/31/2009 - 3/30/2010 | PC | 2919916 | 15 | HWC | Type S | >10' | 450' | 140' | 50' | 90' | Both | III | Remove hardwoods to 50' buffer | tracked skidder shovel | | Yes | Yes | Doug fir, Spruce, Red cedar | No | | Employing large landowner hardwood prescriptions - 50' no harvest buffer | |
| | | 2919916 | 15 | HWC | Type F | >10' | 450' | 90' | 50' | 40' | Both | V | Remove hardwoods t0 50' buffer | tracked skidder shovel | | Yes | Yes | Doug fir, Spruce, Red cedar | No | | | |
| 3/31/2009 - 3/30/2010 | PC | 2920441 | 30 | HWC | Type F | >10' | ? | 140' | 25' | 115' | Both | III | Remove hardwoods to 25' buffer | Shovel, cable | | Yes | Yes | Hemlock | no | | Planted hemlock will enhance riparian function as desired future condition. No-cut buffers will provide the necessary root mass for bank stability. Long term recruitment of conifer LWD. Short-term loss cancelled by additional windfall. Short-term loss of some hardwood shade, long term enhancement of shade | |
| 3/31/2009 - 3/30/2010 | PC | 2920529 | 9.5 | HWC | Type F | >10' | 460' | 86' | 45' | 41' | 300' One 160' Both | ? | Remove hardwoods to 45' buffer | Rubber tired/tracked skidder; shovel; suspension skid rd. | | No | No | Doug fir; 200 to 300/acre | no | | 20 acre exempt; Current function poor, plan anticipates a Long term improvement | IDT |
| 3/31/2011 - 3/30 2012 | PC | 2923962 | 9 | HWC | Type F | >10' | 326' | 170' | 50' | 120' | Both | II | Remove hardwoods to 50' buffer. | skidder, dozer, shovel | | Yes | Yes | doug and noble fir | No | | | |
| 3/31/2012 - 3/30/2013 | PC | 2924971 | 15 | HWC | Type F wetland | >10' | 1,350' | 170' | 25' | 145' | One | II | Remove hardwoods to 25' buffer. | shovel, rubber and track skidder | | Yes | Yes | red cedar, western hemlock; 350/acre | No | | Long term benefit, No reference of effect on riparian functions | |

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| 3/31/2010 - 3/30/2011 | PC | 2920944 | 14 | HWC | Type S | >10' | 1,400' | 90' | 25' | 65' | 250' One 1150' Both | V | Remove hardwoods to 25' buffer | rubber tire skidder, dozer or shovel | | Yes | Yes | Doug and grand fir, possibly red cedar or spruce | no | Annual seedling inspection | Current condition poor, Replacing dying alders with conifers will restore riparian function, brush left adjacent to stream | |
| 3/31/2010 - 3/30/2011 | PC | 2922039 | 20 | Thin | Type S | >10' | 700' | 170' | 80' | 90' | One | II | Thin to 80' buffer | shovel | | Yes | Yes | Doug fir | no | | | |
| 3/31/2010 - 3/30/2011 | PC | 2920810 | 3 | HWC | Type F | <10' | ? | 150' | 70' | 80' | o | II | Remove hardwoods to 70' buffer | skidder/shovel | | Yes | Yes | Doug fir. Red cedar; 500/acre | no | | 70' no cut buffer meets all riparian function criteria | |
| | | 2922831 | 100 | HWC | Type F | <10' | 5,400' | 170' | 135' | 35' | One | II | remove hardwoods to 135' buffer. | shovel | | Yes | | Grand fir; 400/acre | | | | |
| 3/31/2011 - 3/30 2012 | PC | 2923622 | 45 | Thin | Type F | <10' | 100' | 0' | 0' | 0' | Both | III | Replace mixed species stand with 100% Doug Fir. | cable, shovel. Tracked skidder | | Yes | Yes | doug fir | no | | | |
| 2000-2009 | PC | 2916395 | 9 | HWC | F | <10' | 1000' | 170' | 30'-65' | 110'-135' | One | II | Remove hardwoods to 30'-65' buffer | Shovel Skidder | 0 | Yes - ICN | | DF 300 TPA | No | Manage brush until tree are free to grow | No cut buffer will provide bank stability, litter fall and nutrients, and sediemnt filtering. No conifers near stream to laeve as LWD. Uncut trees in buffer will provide shade. Functions are protected because harvest is on north side of creek. | |
| 2000-2009 | PC | 2904550 | 16 | HWC | F | <10' | 1180' | 170' | 50' | 120' | One | II | Remove hardwoods to 50' buffer | Shovel tracked skidder | 0 | No | | 300 TPA DF | No | Monitor annually to free to grow | Decrease in shade, leaf litter fall, | IDT |
| 2000-2009 | PC | 2904481 | 220 | Thin | F | 3' | 7,000' | 0 | 0 | 0 | both | II | Thin to last row of trees along stream | Forwarder | ? | Yes | | None | No | None | Bank stability and surface erosion will be protected. Short term reduction in litter fall.Short term impact on shade and nutrients. | Stream width |
| 2000-2009 | PC | 2904820 | 30 | HWC | F | ? | 3,050' | 170' | 50' | 120' | both | II | Remove hardwoods to 50' buffer | Feller buncher/skidder | ? | No | | Conifer 300 TPA | No | None | Short term impact on shade and LWD. No effect on bank stability or surface erosion because of harvest method. | Stream width |
| 2000-2009 | PC | 2910710 | 6 | Thin | S | ? | ? | 170' | 50' | 120' | One | II | Thin to 50 TPA | Cable | ? | No | | Conifer/hardwood planting | Yes | Monitor for 7 years until free to grow | No effect on bank stability, LWD, leaf litter, sediment filtering because of 50' buffer. No effect on shade as this is the Columbia River. | Stream width |
| 2000-2009 | PC | 2910003 | 74 | HWC | F | ? | 1,287' | ? | 30' | ? | both | III | Remove hardwoods to 30' buffer | Shovel | ? | No | No | DF 360 TPA | No | ? | Short term loss of LWD and shade, minimal change of other riparian functions. | IDT |
| 2000-2009 | PC | 2910003 | 74 | HWC | F | ? | 1,287' | ? | 30' | ? | both | III | Remove hardwoods to 30' buffer | Shovel | ? | No | No | DF 360 TPA | No | ? | Short term loss of LWD and shade, minimal change of other riparian functions. | IDT |
| 2000-2009 | PC | 2912464 | 10 | HWC | Pond | Pond | 80' | ? | 40' | ? | One | ? | Remove hardwoods to 40' buffer | Skidder | 0 | No | No | ? | No | ? | Short term impact to LWD and shade. No impact on bank stability, sediemnt filtering, leaf litter, nutrient input. | IDT |
| 2000-2009 | PC | 2510869 | 21 | HWC | F | ? | 2,425' | ? | 10' | ? | ? | II | Remove hardwoods to 10' buffer | ? | ? | No | No | DF | No | ? | No impact to riparian functions except short term loss of shade. | IDT |
| 3/31/2012 - 3/30/2013 | PC | 2924471 | 62 | Thin | Type F wetlands | N/A | ? | 110' | 100' | 10' | N/A | IV | Habitat restoration around wetlands - 100' buffer | shovel/rubber tired skidder | | USFWS & WDFW Assessment | Yes | none | No | | Short term risks only. Short term loss of shade. | |
| 3/31/2013 - 3/31/2014 | PC | 2927582 | 9.8 | Thin | Wetlands | N/A | 750' | ? | 25' | ? | One | ? | Thin to 75 tpa. | shovel | | No | No | western hemlock, doug fir | no | | | IDT |