

Comparison between Draft Z809-08 SFM Standard and Current Okanagan SFM Indicators for each CCFM Criteria/Element
October, 2008

| Z809-08 CCFM Criterion | Z809-08 CCFM Element | Z809-08 Required Core Indicators | OKSFMP Current indicators for Indicated Elements. |
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| <p>1.0 Conservation of Biological Diversity Conserve biological diversity by maintaining integrity, function, and diversity of living organisms and the complexes of which they are part.</p> | <p>1.1 Ecosystem Diversity Conserve ecosystem diversity at the landscape level by maintaining the variety of communities and ecosystems that naturally occur in the DFA.</p> | Ecosystem area by type | <ol style="list-style-type: none"> 1. Representation of seral stage distribution by Natural Disturbance Type. 2. Incidents of harvesting in rare ecosystems <ul style="list-style-type: none"> -Non-compliance with the Identified Wildlife Management Strategy (IWMS) -Non-compliance with OSLRMP/ KBLUP strategies for identified wildlife. 3. Report on total area of clearcuts by size categories. 4. Riparian management areas (as per the FPC, FRPA and the approved OSLRMP/KBLUP) for wetlands, lakes and streams. 5. Percent of cutblocks requiring a site plan with associated wildlife tree retention (patches and/or individual trees) <ul style="list-style-type: none"> -Percent of harvested cutblocks that contain an average of 2-5 stubs or standing trees per hectare, given consideration to spatial distribution. 6. Percent of cutblocks where management of Coarse Woody Debris (CWD) is consistent with plans. 7. Percentage of harvested cutblocks having 3 or more tree species identified in the free-growing inventory 10. Protected Ecosystems 36. Percentage of cutblocks where coarse woody debris piling is necessary to achieve silviculture activities that a proportion was then retained in loose piles or windrows. |
| | | Forest area by type or species composition | |
| | | Forest area by Seral stage or age class | |

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| | <p>Element 1.2 Species Diversity Conserve species diversity by ensuring that habitats for the native species found in the DFA are maintained through time, including habitats for known occurrences of species at risk.</p> | <p>Degree of habitat protection for selected focal species including species at risk</p> <hr/> <p>Degree of suitable habitat in the long term for selected focal species including species at risk</p> <hr/> <p>Proportion of regeneration comprised of native species</p> | <p>1. Representation of seral stage distribution by Natural Disturbance Type.</p> <p>2. Incidents of harvesting in rare ecosystems -Non-compliance with the Identified Wildlife Management Strategy (IWMS) -Non-compliance with OSLRMP/KBLUP strategies for identified wildlife.</p> <p>4. Riparian management areas (as per the FPC, FRPA and the approved OSLRMP/KBLUP) for wetlands, lakes and streams.</p> <p>7. Percent of harvested cutblocks having three or more tree species identified in the free growing inventory.</p> <p>11. Amount of time for road cut and fill slope revegetation application (control of noxious weed).</p> <p>20. Incidents of non-conformance with government direction on recovery plans for regionally significant species.</p> |
| | <p>Element 1.3 Genetic Diversity Conserve genetic diversity by maintaining the variation of genes within species.</p> | | <p>1. Representation of seral stage distribution by Natural Disturbance Type.</p> <p>2. Incidents of harvesting in rare ecosystems -Non-compliance with the Identified Wildlife Management Strategy (IWMS) -Non-compliance with OSLRMP/KBLUP strategies for identified wildlife.</p> <p>4. Riparian management areas (as per the FPC, FRPA and the approved OSLRMP/KBLUP) for wetlands, lakes and streams.</p> <p>7. Percent of harvested cutblocks having three or more tree species identified in the free growing inventory.</p> <p>9. Percent of planted area for the current planting year</p> |

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| | | | <p>regenerated in accordance with seed transfer guidelines.</p> <p>20. Incidents of non-conformance with government direction on recovery plans for regionally significant species.</p> |
| | <p>Element 1.4 Protected Areas and Sites of Special Biological and Cultural Significance Respect protected areas identified through government processes. Cooperate in broader landscape management related to protected areas and sites of special biological significance and cultural significance. Identify sites of special biological and cultural significance within the DFA and implement management strategies appropriate to their long-term maintenance.</p> | <p>Proportion of identified sites with implemented management strategies</p> <hr/> <p>Understanding and use of Aboriginal knowledge, with the involvement of willing Aboriginal communities, to identify and manage culturally important resources and values (6.2)</p> | <p>2. Incidents of harvesting in rare ecosystems -Non-compliance with the Identified Wildlife Management Strategy (IWMS) -Non-compliance with OSLRMP/KBLUP strategies for identified wildlife.</p> <p>10. Protected Ecosystems</p> |

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| <p>CCFM Criterion 2 — Maintenance and enhancement of forest ecosystem condition and productivity Conserve forest ecosystem condition and productivity by maintaining the health, vitality, and rates of biological production.</p> | <p>Element 2.1 Forest Ecosystem Resilience Conserve ecosystem resilience by maintaining both ecosystem processes and ecosystem conditions.</p> | <p>Proportion of naturally disturbed area that is not salvage harvested.</p> | <p>1. Representation of seral stage distribution by Natural Disturbance Type. 2. Incidents of harvesting in rare ecosystems -Non-compliance with the Identified Wildlife Management Strategy (IWMS) -Non-compliance with OSLRMP/ KBLUP strategies for identified wildlife. 3. Report on total area of clearcuts by size categories 15. Percent of harvest priorities related to forest health completed by date set out in strategies. 18. Report on access management commitments contained in Forest Stewardship Plans (FSPs).</p> |
| | | <p>Reforestation success (Also listed under SFM Element 4.1)</p> | |
| | <p>Element 2.2 Forest Ecosystem Productivity Conserve forest ecosystem productivity and productive capacity by maintaining ecosystem conditions that are capable of supporting naturally occurring species.</p> | <p>Mean annual increment</p> | <p>8. Forest age class distribution 16. –Percent of cutblock area planned for planting is completed before or during the second complete growing season; -Percent of naturally regenerated cutblock area not</p> |
| | | <p>Additions and deletions to the forest area by cause</p> | |
| | | <p>Sustainable harvest levels</p> | |

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| | | <p>Proportion of the calculated long-term sustainable harvest that is actually harvested.</p> | <p>meeting the natural regeneration delay.</p> <p>17. Percentage of cutblock area that meets free growing requirements on or before the latest date.</p> <p>19. Percent of cutblocks harvested in which soil disturbance exceeds level specified in plan.</p> |
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| <p>CCFM Criterion 3 — Conservation of soil and water resources Conserve soil and water resources by maintaining their quantity and quality in forest ecosystems.</p> | <p>Element 3.1 Soil Quality and Quantity Conserve soil resources by maintaining soil quality and quantity.</p> | Level of soil disturbance | <p>11. Amount of time for road cut and fill slope revegetation application (control of noxious weed). 12. Annual percent of opening areas in permanent access structures. 14. Number of induced slides resulting from forest management activities (>.1 ha) originating in or adjacent to harvested areas or inspected roads. 19. Percent of cutblocks harvested in which soil disturbance exceeds level specified in plan. 21. Percent of permanent status roads that have had inspections completed as per plans. 22. Percent of temporary status roads inspected at least once per year until road has been rehabilitated. 23. Percent of the licensees' forest operations employees and primary contractors trained in Spill Preparedness and Response procedures. 24. Number of legally reportable spills.</p> |
| | | Level of downed woody debris | |
| | <p>Element 3.2 Water Quality and Quantity Conserve water resources by maintaining water quality and quantity.</p> | Proportion of watershed area with recent stand-replacing disturbance | <p>4. Riparian management areas (as per the FPC, FRPA and the approved OSLRMP/KBLUP) for wetlands, lakes and streams. 11. Amount of time for road cut and fill slope revegetation application (control of noxious weed). 13. Managing water quality 14. Number of induced slides resulting from forest management activities (>.1 ha) originating in or adjacent to harvested areas or inspected roads. 19. Percent of cutblocks harvested in which soil disturbance exceeds level specified in plan.</p> |

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| | | | <p>21. Percent of permanent status roads that have had inspections completed as per plans.</p> <p>22. Percent of temporary status roads inspected at least once per year until road has been rehabilitated.</p> <p>23. Percent of the licensees' forest operations employees and primary contractors trained in Spill Preparedness and Response procedures.</p> <p>24. Number of legally reportable spills.</p> |
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| CCFM Criterion 4 — Forest ecosystem contributions to global ecological cycles Maintain forest conditions and management activities that contribute to the health of global ecological cycles. | Element 4.1 Carbon Uptake and Storage Maintain the processes that take carbon from the atmosphere and store it in forest ecosystems. | Net carbon uptake/balance. | 8. Forest age class distribution 17. Percentage of cutblock area that meets free growing requirements on or before the latest date. 25. Harvest level. |
| | | Reforestation success (Also listed under SFM Element 2.1) | |
| | Element 4.2 Forest Land Conversion Protect forestlands from deforestation or conversion to non- forests. | Additions and deletions to the forest area by cause. | 12. Annual percent of opening areas in permanent access structures. 16. -Percent of cutblock area planned for planting is completed before or during the second complete growing season; -Percent of naturally regenerated cutblock area not meeting the natural regeneration delay. 21. Percent of permanent status roads that have had inspections completed as per plans. 22. Percent of temporary status roads inspected at least once per year until road has been rehabilitated. 25. Harvest level. |

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| <p>CCFM Criterion 5 — Multiple benefits to society Sustain flows of forest benefits for current and future generations by providing multiple goods and services.</p> | <p>Element 5.1 Timber and Non-Timber Benefits Manage the forest sustainably to produce an acceptable and feasible mix of both timber and non-timber benefits. Evaluate timber and non-timber forest products and forest-based services.</p> | <p>Quantity and quality of timber and non-timber benefits, products, and services produced in the DFA.</p> | <p>11. Amount of time for road cut and fill slope revegetation application (control of noxious weed). 27. Level of compliance with preservation, retention and partial retention of visual quality objectives in Licensee plans. 28. Report on: -OSLRMP committee involvement -Number of Forest Stewardship Plan meetings attended -Number of stakeholder meetings attended. 30. Report educational and research initiatives 31. Percent response to written communications received.</p> |
| | <p>Element 5.2 Communities and Sustainability Contribute to the sustainability of communities by providing diverse opportunities to derive benefits from forests and supporting local community economies.</p> <p>[Note: Element 5.3 Fair Distribution of Benefits and Costs included in the Z809-03 Standard has been removed in the new</p> | <p>Level of investments in plant and equipment, training and skills development, infrastructure, and the community and its facilities</p> <p>Direct and indirect employment</p> <p>Levels of Aboriginal participation in the forest economy</p> | <p>26. Report annual initiatives/partnerships. 28. Report on: -OSLRMP committee involvement -Number of Forest Stewardship Plan meetings attended -Number of stakeholder meetings attended. 32. Report annually on the number of First Nation partnerships. 35. Public awareness of the SFMP</p> |

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| | standard, formerly included Indicators 25 and 26] | | | |
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| <p>CCFM Criterion 6 — Accepting society’s responsibility for sustainable development Society’s responsibility for sustainable forest management requires that fair, equitable, and effective forest management decisions are made.</p> | <p>Element 6.1 Aboriginal and Treaty Rights Recognize and respect Aboriginal title and rights, and treaty rights. Understand and comply with current legal requirements related to Aboriginal title and rights, and treaty rights.</p> | <p>Protection or management of culturally important sites and values</p> <p>Protection of sacred sites.</p> | <p>29. Incorporation of traditional knowledge, non-timber resources, and cultural and spiritual values in forest planning, where available.</p> |
| | <p>Element 6.2 Respect for Aboriginal Forest Values, Knowledge, and Uses Respect traditional Aboriginal forest values and uses identified through the Aboriginal input process.</p> | <p>Understanding and use of Aboriginal knowledge, with the involvement of willing Aboriginal communities, to identify and manage culturally important resources and values (1.4)</p> | <p>28. Report on: -OSLRMP committee involvement -Number of Forest Stewardship Plan meetings attended -Number of stakeholder meetings attended.</p> <p>29. Incorporation of traditional knowledge, non-timber resources, and cultural and spiritual values in forest planning, where available.</p> <p>32. Report annually on the number of First Nation partnerships.</p> |

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| | <p>Element 6.3 Forest Community Well-being and Resilience Encourage, cooperate with, or help to provide opportunities for economic diversity within the community.</p> | <p>Evidence that the organization has cooperated with other forest-dependent businesses, forest users and the local community to strengthen and diversify the local economy.</p> | | <p>New Element – no currently designated indicators</p> |
| | | <p>Evidence of cooperation with DFA-related workers and their unions to improve and enhance safety standards, procedures, and outcomes in all DFA-related workplaces and affected communities.</p> | | |
| | | <p>Evidence that a worker safety program is implemented and periodically reviewed and improved.</p> | | |
| | <p>Element 6.4 Fair and Effective Decision-Making Demonstrate that the SFM public participation process is designed and</p> | <p>Level of participant satisfaction with the public participation process</p> | | <p>33. An effective Public Advisory Group 35. Public awareness of the SFMP</p> |

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| | functioning to the satisfaction of the participants and that there is general public awareness of the process and its progress. | Promotion of capacity development and meaningful participation of Aboriginal communities. | | |
| | Element 6.5 Information for Decision-Making Provide relevant information and educational opportunities to interested parties to support their involvement in the public participation process, and increase knowledge of ecosystem processes and human interactions with forest ecosystems. | Number of people reached through educational outreach | | 28. Report on: -OSLRMP committee involvement -Number of Forest Stewardship Plan meetings attended -Number of stakeholder meetings attended 30. Report educational and research initiatives. 33. An effective Public Advisory Group 34. Educational forums 35. Public awareness of the SFMP |
| Availability of summary information on issues of concern to the public | | | | |