Forest Stewardship Council[®] FSC[®] Canada



Intact Forest Landscape Assessment Exercise

Thank you for assisting FSC Canada to investigate the practicality and implications of working with Intact Forest Landscapes.

You may identify IFLs using any of three approaches:

- 1. Use the process outlined in the following sections of this file. The process is based on the recentlycompleted (draft) rule-set of GIS directions on identification of IFLs¹.
- 2. Use the IFL data on the Global Forest Watch Canada web-site (<u>http://www.globalforestwatch.ca/</u>). These data are scheduled for release in June of 2016. If the data are not yet available, please use an alternate approach
- 3. Use another approach convenient for you, or other information that you have available on IFLs in your Management Unit.

Using the Rule Set

If you elect to use the rule set as outlined below, please record anything that causes problems. This rule set for calculating IFL size is based on initial work by a collaborating company to invesitgate the practicality of technical direction regarding IFL definition.

If you have a problem that needs direction, contact Tom Clark (705 645 2580, <u>tom@tomclark.ca</u>) or Chris Wedeles (905 877-6887, chris@avesltd.ca).

Use the Table that follows as the rule set for calculating the base amount of IFLs.

| Descriptor | Quantitative measure | Application |
|-------------|--|---|
| Base Size | > 500 km ² (50,000 ha) patch size | All patches >500 km ² contiguous and |
| | | intact. This includes patches contiguous |
| | | with IFL outside the FMU. The Area of |
| | | ecological influence (AEI) of the contiguous |
| | | IFL will be considered in a later analysis. |
| Disturbance | <5% affected by recent human | Intent is that one or two roads into an |
| | disturbance | IFL do not invalidate the whole IFL. The 5% |
| | | disturbance measure should be applied |
| | | strictly and include the appropriate |
| | | buffering around roads and other |
| | | disturbances. |
| Roads and | Road disturbance and corridors should | The buffers suggested at left are from |
| utility | be defined using local road classification | the first case study, which are consistent |
| corridors | methods. Buffers around these | with Caribou guidelines in some parts of |
| | disturbances should follow regional | Canada. |

Table 1. Rule set for measurement of IFL.

¹ A separate exercise is being conducted to develop and refine the rule set, however if suggestions to improve their clarity are welcome.



| Descriptor | Quantitative measure | | Application |
|--------------|---|-------------|---|
| - | guidance. Alternatively here are | | Note that the road and buffer are used |
| | buffers used by one company: | | to include in the <5% disturbance for an |
| | Harvest blocks | 0 m | IFL. |
| | Highways | 500m | It is not appropriate to allow for |
| | Municipal/Town Roads | 250m | additional future road building up to the |
| | Primary Roads | 100m | 5% disturbance level. IFLs with a very low |
| | Branch Roads | 50m | level of disturbance may have unforeseen |
| | Railways | 250m | road building occurring in the future, for |
| | Utility/Pipe Lines | 50m | example from other tenure holders. The |
| | | | 5% is not intended to be used for new |
| | | | forestry. |
| Minimum | The minimum width of an IFL is ten km | | A circle of this diameter has an area of |
| width | as measured by a 10 km diameter circle | | 7850 ha. The intent of this criterion is to |
| | that is entirely within the bour | ndaries of | safeguard against long narrow IFLs which |
| | the territory). | | would be difficult to calculate and not |
| | | | really the intent of the IFL concept. |
| Non Forest - | Bare rock of any extent can be included. | | There were no reasons for a maximum |
| Rock | There are no constraints on the total | | size limit, as there is for open water. It is |
| | area. | | functional terrestrial habitat, and even in |
| | | | areas dominated by rock, it appears |
| | | | consistent with the intent of an IFL. |
| Non Forest - | Open water can be included for up to 1 | | Note that areas defined as wetland |
| Open water | km off shore, an area that cou | | (bog, fen, marsh) are not be considered |
| | considered biologically functio | | open water. |
| | larger terrestrial animals. This | | The 10,000 ha maximum is provided |
| | included for a maximum length of | | because this approximates a 1 km stretch |
| | maximum 10 km, after which t | | of water running along 10 km of shoreline. |
| | shoreline should be followed a | | A one km distance across water is |
| | of the IFL. Larger areas are un | - | biologically functional for larger terrestrial |
| | occur, but if they do, please no | | animals. |
| | The maximum area for a single | | |
| | contiguous block of open Lake | water is | |
| Non forest - | 10,000 ha. IFLs may contain non-forest a | r026.26 | Non production forest is included, |
| Wetlands | part of a broader ecosystem ir | | which could have a number of different |
| Grasslands | Wetland - bogs, fens, r | - | labels: sensitive forest lands, hazard lands, |
| Grassiarius | Grasslands | 110131163 | inoperable, etc, as long as it is undisturbed. |
| | | | |
| Natural | Non production forest Natural disturbance (fire, blow | | Note that salvage areas are not allowed |
| Disturbance | insects) can be fully included a | | Note that salvage areas are not allowed because roads are required. As this |
| Distuinalite | the area remains unaccessed, | - | guidance was prepared, there were no |
| | salvage is not occurring. | anu | exceptions, such as salvage in winter. |
| Non Forestry | Protected areas and FSC Candi | idate | Obviously, non forestry resource |
| land uses | Protected areas can be include | | extraction is not included. |
| | i notetteu areas tam pe intlude | SU III IFL. | |



| Descriptor | Quantitative measure | Application |
|-------------|--|---|
| Contiguous | Small patches contiguous to IFLs | Intact patches smaller than 500 km sq |
| Patches | external FMA/SFL/defined forest area | that are contiguous with other intact areas |
| | (For area calculation, the measure area | outside of the management zone should be |
| | inside of the license area). | included as IFLs. |
| Time since | No disturbance is currently allowed at | There is currently no allowance for a |
| disturbance | any previous time. | time since disturbance, regardless of how |
| | | natural an area may now appear. |
| Bottlenecks | Bottlenecks are constrictions of the IFL | A 2 km bottleneck would divide the IFL |
| | to a distance of less than 2 km | into two portions. If either side or both |
| | measured across the narrowest portion | sides of the constriction is greater than |
| | of the neck. | 50,000 ha, then one or both would be |
| | | considered IFL. |