## Appendix 2. Northeast Region standard forest unit (SFU) revised SQL statements

original 16 Northeast Region SFUs. Although 19 statements are identified in Table A.2, the Undefined, UDF statement is not a standard forest unit (SFU) The original MW1 and MW2 were both split into conifer-leading and hardwood-leading (see New science), resulting in 18 rather than the and should not be included in the final SFU assignment. The planning team decides how to address forest stands initially classified as UDF Table A.2. Northeast region boreal standard forest unit (SFU) revised SQL statements. Each SFU was defined by the human language description of the intent. The SQL is a suggested starting point for the human language conceptual definition. This table contains basic SFU SQL mechanisms Information Manual (FIM) compliant; ecosite codes refer to the Ontario Ecological Land Classification system (Wester et al. 2015a,b). The order publication (Sort Order=1 to 18). The UDF code identifies forest stands that require case-by-case interpretation and SFU code assignment. The algorithm are not overwritten later; thus, the SQL order is the required order of classification. The use of \_ with species codes such as \_Or and By ensure the FIM species codes are not misinterpreted as SQL keywords. STKG refers to forest stand stocking, which is the total basal area Sort Order=19) code is intended to identify anomalies not addressed by formal Ontario forest management SFUs in the NER SFU 2<sup>nd</sup> edition relative to normalized basal area, and OSC refers to the overstory site class (Plonski 1981) both of which are attributes in the eFRI. The UDF of the classification criteria of the SQL algorithms is imperative. The <NER SFU revision code field> ensures that codes assigned early in the of classification based on the Ontario forest resources inventory (FRI) attributes (ca. 2007 to 2011; eFRI t1). Species codes are Forest UDF code is not intended for use in forest management plans.

SQL	NER	NER SFU revision SQL criteria, eFRI
order	SFU	
	revision	
	code	
1	PR1	(Pr >=70) And <ner code="" field="" revision="" sfu="">Is Null<sup>‡</sup></ner>
2	PW1	((Pw + Pr + He + (Sw + Sx) >=40 And Pw >=30) And (((Pw + Pr + _Or + Ow + He + Sr + Sw + (Hi + HI + Hm + Hp +
		Hs))/100) $^*$ STKG $^*$ 44 >=12.0)) And <ner code="" field="" revision="" sfu="">Is Null<math>^\ddagger</math></ner>
က	PRW	((Pw + Pr + He + (Sw + Sx) >=40) And (Pw + Pr >=30)) And <ner code="" field="" revision="" sfu="">Is Null</ner>
4	LH1	(((Ab + Ew + Pb + Mr + _By) >=30) And ((Ab + Ew + _By >=20) Or (Ecosite_GeoRangeAndNumber in (B119, B120,
		B123, B129, B130, B131, B133, G119, G120, G123, G129, G130, G131, G133))) Or (Pb >=70)) And <ner revision<="" sfu="" td=""></ner>
		code field>Is Null
2	TH1	((Ab + Ew) + Mh + (_By + Mr) + He >=30) And <ner code="" field="" revision="" sfu="">Is Null</ner>

SQL	NER	NER SFU revision SQL criteria, eFRI
order	SFU	
	revision	
	code	
9	SBOG	((Sb + La + (Ce + Cw) >=70) And (((OSC=4) And (Ecosite_GeoRangeAndNumber in (B126, B136, B137, G126, G136, G137)))) And <ner code="" field="" revision="" sfu="">Is Null</ner>
7	SB1	(((Sb >=80)) And (Ab <=10) AND Ecosite_GeoRangeAndNumber in (B127, B128, B129, B222, B223, B224, G127, G128, G129, G222, G223, G224) And <ner code="" field="" revision="" sfu="">Is Null</ner>
∞	PJ1	(((Pj >=70) And ((Po + Pt) + Bw + (_By + Mr) + Mh + (Ab + Ew + Pb) <=20)) And Ecosite_GeoRangeAndNumber in (B012, B033, B034, B035, B049, B050, G012, G033, G034, G035, G049, G050)) Or (Pj >=90)) And <ner code="" field="" revision="" sfu="">Is Null</ner>
6	lC1	(((Ce + Cw) + La + Sb + Bf + Sw>=70) AND (Ecosite_GeoRangeAndNumber in (B127, B128, B129, B222, B223, B224, B136, B137, G127, G128, G129, G222, G223, G224, G136, G137))) And <ner code="" field="" revision="" sfu="">Is Null</ner>
10	PJ2	(((Pj + Sb + Pr + Pw >= 70) Or (Pj >= 30 And Pj + Sb + Bf + (Sw + Sx) + Pw + Pr + (Ce + Cw) + La >= 70)) And ((Pj + Pw + Pr) >= (Sb + (Sw + Sx) + (Ce + Cw))) And <ner code="" field="" revision="" sfu="">Is Null</ner>
11	SP1	((Sb + (Sw + Sx) + Bf + (Ce + Cw) + La + Pw + Pj + Pr + He>=70) And ((Bf + (Ce + Cw) + Pw + (Sw + Sx) + He <=20) Or (Pj + Pr + La >=30))) And <ner code="" field="" revision="" sfu="">Is Null*</ner>
12	SF1	(Sb + (Sw + Sx) + Bf + (Ce + Cw) + La + Pw + Pj + Pr >=70) And <ner code="" field="" revision="" sfu="">Is Null<sup>‡</sup></ner>
13	P01	(((Po + Pt + Pl) + Bw + Mh + (_By + Mr) + (Ab + Ew + Pb) >=70) And ((Po + Pt + Pl + Pb) >=50)) And <ner code="" field="" revision="" sfu="">Is Null</ner>
14	BW1	((Po + Pt + Pl) + Bw + Mh + (_By + Mr) + (Ab + Ew + Pb) >=70) And <ner code="" field="" revision="" sfu="">Is Null</ner>
15	MH1	((((Bf <=20 And (Sw + Sx) <=20 And (Ce + Cw) <=20) And (Po + Pt + Pl) + Bw + Mh + (_By + Mr) + (Ab + Ew + Pb) >=50) And (Pj + Pr <=50 And Pj + Pr >=20)) AND (Ecosite_GeoRangeAndNumber in (B016, B019, B028, B040, B043, B055, B059, B070, B076, G016, G019, G028, G040, G043, G055, G059, G070, G076))) And <ner code="" field="" revision="" sfu="">Is Null</ner>
16	MC1	(((Bf <=20 And (Sw + Sx) <=20 And (Ce + Cw) <=20 And (Pj + Pr + La) >=20) AND (Ecosite_GeoRangeAndNumber in (B012, B014, B035, B037, B038, B050, B052, B053, B052, B053, B050, B052, B053, G057, G050, G050, G052, G053, G065, G067, G068))) Or (Pj + Pr >=50)) And <ner code="" field="" revision="" sfu="">Is Null*</ner>
17	MH2	((Po + Pt + Pl) + Bw + Mh + (_By + Mr) + (Ab + Ew + Pb) >=50) And <ner code="" field="" revision="" sfu="">Is Null*</ner>
18	MC2	(Sb + (Sw + Sx) + Bf + (Ce + Cw) + La + Pw + Pj + Pr >50) And <ner code="" field="" revision="" sfu="">Is Null<sup>‡</sup></ner>

SQL NER	NER	NER SFU revision SQL criteria, eFRI
order	SFU	
	revision	
	code	
19 UDF	UDF	(POLYTYPE=FOR) And <ner code="" field="" revision="" sfu="">Is Null<sup>‡</sup></ner>

Note: † indicates that assigning the forest stand to the SFU requires the use of local silvicultural records or up to date forest resources inventory