Supplementary Material (Document S1) to: *Hird, Kariyeva, & McDermid. Satellite time series and Google Earth Engine democratize the process of forest-recovery monitoring over large areas. 2021.*

# Document S1: Additional tables.

**Table S1.** Descriptions and thresholds used for calculating harvest area confidence scores.

| Confidence Factor | Description | Score | Confidence Level |
|---|---|---|---|
| Total pixel count | <1 pixels | 0 | Very Low |
| | >=1 & <11 pixels | 1 | Low |
| | >=11 & <20 pixels | 2 | Medium-Low |
| | >=20 & <30 pixels | 3 | Medium |
| | >=30 < 100 pixels | 4 | Medium-High |
| | >=100 & <200 pixels | 5 | High |
| | >=200 pixels | 6 | Very High |
| Percent of pixels available for use in calculations | <50% available | 0 | Very Low |
| | >=50% & <60% available | 1 | Low |
| | >=60% & <70% available | 2 | Medium-Low |
| | >=70% & <80% available | 3 | Medium |
| | >=80% & <90% available | 4 | Medium-High |
| | >=90% & <100% available | 5 | High |
| | 100% available | 6 | Very High |
| Number of contiguous (i.e., adjacent) pixels available for use in calculations | = 0 contiguous pixels | 0 | Very Low |
| | > 0 & <= 2 contiguous pixels | 1 | Low |
| | >2 & <=4 contiguous pixels | 2 | Medium-Low |
| | >4 & <=6 contiguous pixels | 3 | Medium |
| | >6 & <=8 contiguous pixels | 4 | Medium-High |
| | >8 & <=10 contiguous pixels | 5 | High |
| | >= 11 contiguous pixels | 6 | Very High |
| Within-polygon variability* in $Harvest_{yr}$ (year of detected harvest event) | $Harvest_{yr}$ standard deviation (s.d) >=3 | 0 | Very Low |
| | $Harvest_{yr}$ s.d. >=2.5 & <3 | 1 | Low |
| | $Harvest_{yr}$ s.d. >=2 & <2.5 | 2 | Medium-Low |
| | $Harvest_{yr}$ s.d. >=1.5 & <2 | 3 | Medium |
| | $Harvest_{yr}$ s.d. >=1 & <1.5 | 4 | Medium-High |
| | $Harvest_{yr}$ s.d. >=0.5 & <1 | 5 | High |
| | $Harvest_{yr}$ s.d. <0.5 | 6 | Very High |
| Within-polygon variability in $Recov_{lag}$ (time between detected harvest event and start of spectral recovery) | $Recov_{lag}$ g s.d. >= 3 | 0 | Very Low |
| | $Recov_{lag}$ g s.d. >= 2 & <3 | 1 | Low |
| | $Recov_{lag}$ g s.d. >=1.5 & <2 | 2 | Medium-Low |
| | $Recov_{lag}$ s.d. >=1 & <1.5 | 3 | Medium |
| | $Recov_{lag}$ s.d. >=0.75 & <1 | 4 | Medium-High |
| | $Recov_{lag}$ s.d. >=0.25 & <0.75 | 5 | High |
| | $Recov_{lag}$ s.d. <0.25 | 6 | Very High |
| Within-polygon variability in $NBR_{totDistb}$ (total spectral change in NBR with a detected harvest event) | $NBR_{totDistb}$ s.d. >=200 | 0 | Very Low |
| | $NBR_{totDistb}$ s.d. >=150 & <200 | 1 | Low |
| | $NBR_{totDistb}$ s.d. >=125 & <150 | 2 | Medium-Low |
| | $NBR_{totDistb}$ s.d. >=115 & <125 | 3 | Medium |
| | $NBR_{totDistb}$ s.d. >=100 & <115 | 4 | Medium-High |
| | $NBR_{totDistb}$ s.d. >=75 & <100 | 5 | High |
| | $NBR_{totDistb}$ s.d. <75 | 6 | Very High |

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| **Confidence Factor** | **Description** | **Score** | **Confidence Level** |
|---|---|---|---|
| Within-polygon variability in $Recov\%_{endTS}$ (percent spectral recovery calculated in the last year of the time series) | $Recov\%_{endTS}$ s.d. >= 30 | 0 | Very Low |
| | $Recov\%_{endTS}$ s.d. >=25 & <30 | 1 | Low |
| | $Recov\%_{endTS}$ s.d. >=20 & <25 | 2 | Medium-Low |
| | $Recov\%_{endTS}$ s.d. >=15 & <20 | 3 | Medium |
| | $Recov\%_{endTS}$ s.d. >=10 & <14 | 4 | Medium-High |
| | $Recov\%_{endTS}$ s.d. >=6 & <10 | 5 | High |
| | $Recov\%_{endTS}$ s.d. <6 | 6 | Very High |
| Within-polygon variability in Y2R (years required to reach 80% spectral recovery) | Y2R s.d. >=3.5 | 0 | Very Low |
| | Y2R s.d. >=3 & < 2.5 | 1 | Low |
| | Y2R s.d. >=2.5 & < 3 | 2 | Medium-Low |
| | Y2R s.d. >=2 & < 2.5 | 3 | Medium |
| | Y2R s.d. >=1.5 & < 2 | 4 | Medium-High |
| | Y2R s.d. >=0.5 & < 1.5 | 5 | High |
| | Y2R s.d. < 0.5 | 6 | Very High |
| Within-polygon variability in $Recov\%_{5yr}$ (percent spectral recovery at 5 years after post-harvest start of recovery) | $Recov\%_{5yr}$ s.d. >= 30 | 0 | Very Low |
| | $Recov\%_{5yr}$ s.d. >=25 & < 30 | 1 | Low |
| | $Recov\%_{5yr}$ s.d. >=20 & < 25 | 2 | Medium-Low |
| | $Recov\%_{5yr}$ s.d. >=15 & < 20 | 3 | Medium |
| | $Recov\%_{5yr}$ s.d. >=10 & < 15 | 4 | Medium-High |
| | $Recov\%_{5yr}$ s.d. >=5 & < 10 | 5 | High |
| | $Recov\%_{5yr}$ s.d. < 5 | 6 | Very High |

*Variability is evaluated using the polygon-level standard deviation of the selected metric