

LIST OF ABBREVIATIONS IN GIS POINTS DATABASE

(HC) – from Hubbard County

(WPS) – from Westwood

(NLS&M) – from Northern Lights

.cor or .ssf – resource grade GPS points from USFS (accuracy +/- 20')

.cor ADJ – resource grade GPS points moved to match calculated points from StarNet

AC – aluminum cap

AVG – averaged points from USFS (averaged multiple point observations)

BC – brass cap

Per Oc – per occupation, not an actual monument, approximate corner

CCSO/CCHD – Cass County Surveyor's Office/Highway Department monument

CIM – cast iron monument

COE – Corps of Engineers

COMP – sometimes computed lost, but sometimes placed randomly as placeholders

DIGI – digitized, snapped points on georeferenced map image

ICDSM – Itasca County Department of Surveying and Mapping

SN – STARNET least squares software

CWC – Crow Wing County

NECI – Northern Engineering

DPOS – Post-processed/fast static points from USFS

WinGMM – Antiquated least-squares software developed by BLM

AS – Advance Surveying

K&O – Kovanen and Osufsen

L&A – Landecker and Associates

FD – Found monument, followed by date or LS number FSM – Forest Service Monument

GMR – Good metal reading {possible buried monument

SM – Survey monument

NWES – Northwestern Engineering Surveying

NLSM – Northern Lights Surveying and Mapping

CNF – Chippewa National Forest