

**Sturgeon Wild and Scenic River
Hiawatha National Forest
Eastern Region
U.S.D.A. – Forest Service**

I hereby certify that the legal description and map herewith represent the location of the boundary of the Sturgeon Wild and Scenic River within the Hiawatha National Forest as described and enacted by Public Law 102-249.

Signed 12/15/11
Date

Charles J. Mjen.
Regional Forester

Hiawatha National Forest Sturgeon River Wild and Scenic River Corridor Boundary Description

The Sturgeon River corridor extends through the Hiawatha National Forest from the mouth on Big Bay de Noc in Lake Michigan, in section 20, T40N-R19W through T41N-R19W, T42N-R19W, T42N-R20W, to the section line common to Section 23 and Section 26, T43N-R19W, Delta County, Michigan Meridian, Michigan.

The corridor boundary is described by a list of nodal coordinates associated with points of directional change in the boundary line, and where available by calls indicated at the intersection and/or coincidence of the boundary with other line features such as timber management unit boundaries (Stand Lines), Ecological Land Types (ELT Lines), roads (Forest Road – FR), and section lines. Textual descriptions are given of these topologically related features for clarity, and practical location. The actual locations of these calls on the ground supersede the coordinate pair locations, if they differ; coordinate pair locations control in the event of decrescent calls.

The coordinates in the description are listed as “X-coordinate (Easting) Y-coordinate (Northing)” and are in the Geographic Coordinate System ; North American Datum 1983, and the Projection; Universal Transverse Mercator, Zone 16, with metric units in meters. The coordinates that are given for property controlling corners on section, quarter section and sixteenth section lines are approximate locations derived from the Hiawatha National Forest GIS data layer which was used to define the boundary of the river corridor. These coordinate pair locations are not intended to control the legal location of the section, quarter section or sixteenth section corners or lines; such locations must be established by legal survey.

The description of the corridor boundary begins near the mouth of the river and proceeds northerly, offset from the right bank of the river, to the terminus of the corridor in T43N-R19W, and returns southerly, offset from the left bank of the river, past the mouth to the point of beginning.

The description of the river corridor is as follows:

Commencing at the Delta County Remonumentation monument marking the Meander Corner common to Sections 20 and 21, T41N-R19W, Delta County, Michigan Meridian, Michigan; thence northerly on the section line common to said Sections 20 and 21, an approximate distance of 112 meters to the center line of Forest Road 8399 (Also Known As County Road 499), thence westerly along the center line of said FR 8399 an approximate distance of 650 meters to the;

| <u>X</u> | <u>Y</u> | <u>Description</u> |
|----------|----------|--|
| 525224 | 5076423 | Point of Beginning, Being the intersection of said center line of said Forest Road 8399 and the extension of the easterly right-of-way line of Forest Road 8263 (Also Known As County Road L-13) Thence Northerly on said easterly right-of-way line of said Forest Road 8263 in Section 20, T40N-R19W, |
| 525223 | 5076699 | |
| 525208 | 5076744 | |
| 525100 | 5076924 | |
| 525087 | 5076993 | |
| 525083 | 5077242 | |
| 525112 | 5077300 | |
| 525563 | 5077530 | Intersection with the northeasterly right-of-way line of the Alger-Delta Power Line Corridor in Section 20, T40N-R19W, Thence Northwesterly along said northeasterly right-of-way line of said power line corridor in Section 20, T40N-R19W; and continuing in Section 17, T40N-R19W, |
| 525425 | 5077736 | |
| 524912 | 5078847 | |
| 524774 | 5079072 | Intersection with an ELT line westerly of the power line corridor in Section 17, T40N-R19W, Thence Northwesterly on said ELT line through section 17, T40N-R19W; and continuing through Section 18, T40N-R19W; and continuing through Section 7, T40N-R19W; and continuing into Section 8, T40N-R19W, |
| 524139 | 5079187 | |
| 524155 | 5079411 | |
| 524419 | 5079599 | Intersection with the northeasterly right-of-way line of the Alger-Delta Power Line Corridor in Section 8, T40N-R19W, Thence Northwesterly along said northeasterly right-of-way line of said power line corridor through Section 8, T40N-R19W; and continuing through Section 7, T40N-R19W; and continuing through Section 6, T40N-R19W; and continuing into Section 1, T40N-R20W, |
| 524093 | 5080049 | |
| 523435 | 5080680 | |
| 523311 | 5080831 | |
| 522608 | 5082076 | |
| 522549 | 5082236 | |
| 522549 | 5082236 | Intersection with the southerly edge of an East/West open corridor in Section 1, T40N-R20W, Thence Easterly on said southerly edge of said East/West open corridor in Section 1, T40N-R20W, |
| 522612 | 5082237 | Intersection with the easterly right-of-way line of Forest Road 8258 (AKA County Road 497) in Section 1, T40N-R20W, Thence Northerly on said easterly right-of-way line of said FR 8258 in Section 1, T40N-R20W, |
| 522616 | 5082348 | Intersection with the south line of a private parcel east of said FR 8258 in Section 1, T40N-R20W, Thence Easterly on said south line of said private parcel through Section 1, T40N-R20W; and continuing into Section 6, T40N-R19W, |
| 522794 | 5082347 | The Southeast corner to said private parcel in Section 6, T40N-R19W, |

| | | |
|--------|---------|---|
| 522793 | 5082465 | Thence Northerly on the east line of said private parcel in Section 6, T40N-R19W, Intersection with the southerly right-of-way line of Highway US 2 in Section 6, T40N-R19W, Thence easterly on said southerly right-of-way line of said Highway US 2 in Section 6, T40N-R19W, |
| 522869 | 5082462 | Intersection with the extension of the easterly right-of-way line of Federal Highway 13 (FH-13) in Section 6, T40N-R19W, Thence Northerly on said easterly right-of-way line of said FH-13 through Section 6, T40N-R19W; and continuing into Section 32, T41N-R19W, |
| 522867 | 5082557 | |
| 522699 | 5083310 | |
| 522679 | 5083478 | |
| 522659 | 5084245 | Intersection with the section line common to Section 29 and Section 32, T41N-R19W, Thence Westerly on said section line common to Section 29 and Section 32, T41N-R19W, |
| 522630 | 5084245 | Intersection with a line 33 feet easterly of the center line of an abandoned Railroad grade (AKA the Nahma Grade) on said section line common to Section 29 and Section 32, T41N-R19W, Thence Northerly on said line 33 feet easterly of the center line of said Nahma Grade through Section 29, T41N-R19W; and continuing through Section 20, T41N-R19W; and continuing into Section 17, T41N-R19W, |
| 522608 | 5084346 | |
| 522533 | 5084668 | |
| 522522 | 5084788 | |
| 522687 | 5086452 | |
| 522678 | 5086555 | |
| 522373 | 5087553 | |
| 522362 | 5087797 | Intersection with a line 66 feet northeasterly of the center line of Forest Road 2231 in Section 17, T41N-R19W, Thence Northwesterly on said line 66 feet northeasterly of the center line of said FR 2231 in Section 17, T41N-R19W, |
| 522291 | 5087815 | |
| 522267 | 5087832 | |
| 521979 | 5088172 | Intersection with a stand line northerly of FR 2231 in Section 17, T41N-R19W Thence Northeasterly on said stand line in Section 17, T41N-R19W, |
| 522199 | 5088202 | Intersection with the Northeasterly bank of Mormon Creek in Section 17, T41N-R19W Thence Southeasterly along said northeasterly bank of said Mormon Creek in Section 17, T41N-R19W, |
| 522217 | 5088208 | |
| 522262 | 5088187 | |
| 522278 | 5088207 | |
| 522302 | 5088231 | |
| 522315 | 5088235 | |
| 522307 | 5088203 | |
| 522314 | 5088191 | |
| 522339 | 5088187 | |
| 522347 | 5088164 | |
| 522350 | 5088152 | |
| 522369 | 5088147 | Intersection with the southeasterly right-of-way line of the Alger-Delta Power Line Corridor in Section 17, T41N-R19W, |

| | | |
|--------|---------|---|
| | | Thence Northeasterly on said southeasterly right-of way line of said power line corridor through Section 17, T41N-R19W; and continuing through Section 8, T41N-R19W; and continuing through Section 9, T41N-R19W; and continuing into Section 4, T41N-R19W, |
| 522368 | 5088232 | |
| 522685 | 5088748 | |
| 522990 | 5088994 | |
| 523510 | 5089740 | |
| 524044 | 5090489 | |
| 524521 | 5091328 | |
| 524803 | 5091894 | |
| 524843 | 5091894 | Intersection with the easterly right-of-way line to Federal Highway 13 in Section 4, T41N-R19W, Thence Northerly on said easterly right-of-way line of said FH-13 through Section 4, T41N-R19W; and continuing into Section 33, T42N-R19W, |
| 524848 | 5092036 | |
| 524829 | 5092376 | |
| 524813 | 5092633 | Intersection with the extension of a line 66 feet northeasterly of the center line of Forest Road 2229 in Section 33, T42N-R19W, Thence Northwesterly on said line 66 feet northeasterly of the center line of said FR 2229 in Section 33, T42N-R19W, |
| 524662 | 5092630 | |
| 524614 | 5092703 | |
| 524586 | 5092813 | |
| 524508 | 5092924 | |
| 524344 | 5092958 | |
| 524171 | 5093012 | |
| 524085 | 5093007 | Intersection with the extension of a stand line on the south side of FR 2229 in Section 33, T42N-R19W, Thence Westerly on said stand line in Section 33, T42N-R19W, |
| 523970 | 5092941 | |
| 523796 | 5092958 | |
| 523741 | 5092947 | |
| 523646 | 5092976 | Intersection with a line 66 feet northwesterly of the center line of Forest Road 2229 in Section 33, T42N-R19W, Thence Southwesterly on said line 66 feet northwesterly of the center line of said FR 2229 in Section 33, T42N-R19W, |
| 523552 | 5092942 | |
| 523472 | 5092905 | |
| 523341 | 5092930 | Intersection with a stand line on the north side of FR 2229 in Section 33, T42N-R19W, Thence Northwesterly on said stand line through Section 33, T42N-R19W; and continuing into Section 32, T42N-R19W, |
| 523158 | 5092983 | |
| 523008 | 5093056 | |
| 522868 | 5093076 | |
| 522823 | 5092987 | |
| 522756 | 5092931 | |
| 522697 | 5092874 | |
| 522681 | 5092999 | |
| 522637 | 5093047 | |

| | | |
|--------|---------|---|
| 522641 | 5093124 | |
| 522709 | 5093212 | |
| 522553 | 5093270 | |
| 522499 | 5093290 | Intersection with a line 33 feet northeasterly of the center line of Forest Road 2229A in Section 32, T42N-R19W, Thence Northwesterly on said line 33 feet northeasterly of the center line of said FR 2229A through Section 32, T42N-R19W; and continuing through Section 29, T42N-R19W; and continuing into Section 30, T42N-R19W, |
| 522000 | 5094055 | |
| 521966 | 5094215 | |
| 521966 | 5094331 | |
| 521918 | 5094439 | |
| 521794 | 5094519 | |
| 520986 | 5094845 | |
| 520840 | 5094925 | |
| 520561 | 5095140 | |
| 520317 | 5095333 | Intersection with a line 33 feet northerly of the center line of Forest Road 2354 in Section 30, T42N-R19W, Thence Southwesterly on said line 33 feet northerly of the center line of said FR 2354 through Section 30, T42N-R19W; and continuing into Section 25, T42N-R20W, |
| 520187 | 5095350 | |
| 520125 | 5095288 | |
| 520095 | 5095279 | |
| 520069 | 5095283 | |
| 520005 | 5095239 | |
| 519968 | 5095252 | |
| 519942 | 5095249 | |
| 519924 | 5095236 | Intersection with an ELT/stand line northerly of FR 2354 in Section 25, T42N-R20W, Thence Northwesterly on said ELT/stand line through Section 25, T42N-R20W; and continuing through Section 24, T42N-R20W; and continuing into Section 13, T42N-R20W, |
| 519906 | 5095262 | |
| 519870 | 5095236 | |
| 519805 | 5095227 | |
| 519644 | 5095247 | |
| 519532 | 5095295 | |
| 519275 | 5095563 | |
| 519211 | 5095644 | |
| 519239 | 5095689 | |
| 519185 | 5095793 | |
| 519166 | 5095888 | |
| 519095 | 5095925 | |
| 519047 | 5095988 | |
| 519034 | 5096058 | |
| 518966 | 5096104 | |
| 518941 | 5096171 | |
| 519062 | 5096210 | |
| 519101 | 5096291 | |
| 519013 | 5096354 | |
| 518931 | 5096630 | |

| | | |
|--------|---------|---|
| 518941 | 5096684 | |
| 518983 | 5096725 | |
| 519016 | 5096699 | |
| 519121 | 5096820 | |
| 519120 | 5096859 | |
| 519034 | 5096898 | |
| 519007 | 5097004 | |
| 518988 | 5097061 | |
| 518966 | 5097082 | |
| 518940 | 5097200 | |
| 518930 | 5097281 | |
| 518897 | 5097320 | |
| 518864 | 5097621 | |
| 518892 | 5097884 | |
| 518681 | 5097862 | |
| 518637 | 5097919 | |
| 518591 | 5098293 | |
| 518625 | 5098430 | |
| 518826 | 5098546 | |
| 518826 | 5098694 | Intersection with a line 66 feet northeasterly of the center line of Forest Road 2223 in Section 13, T42N-R20W, Thence Northwesterly on said line 66 feet northeasterly of the center line of said FR 2223 through Section 13, T42N-R20W; and continuing into Section 12, T42N-R20W, |
| 518759 | 5098753 | |
| 518675 | 5098850 | |
| 518589 | 5098937 | Intersection with an ELT line northerly of FR2223 in Section 12, T42N-R20W, Thence Northerly on said ELT line in Section 12, T42N-R20W, |
| 518644 | 5099193 | |
| 518584 | 5099276 | |
| 518547 | 5099426 | Intersection with a line 33 feet easterly of the center line of Forest Road 8274 in Section 12, T42N-R20W, Thence Northerly on said line 33 feet easterly of the center line of said FR 8274 in Section 12, T42N-R20W, |
| 518525 | 5099543 | |
| 518615 | 5099644 | |
| 518647 | 5099708 | |
| 518658 | 5099757 | |
| 518614 | 5099823 | Intersection with an ELT line easterly of FR 8274 in Section 12, T42N-R20W, Thence Northeasterly, and on a loop returning Southwesterly on said ELT line in Section 12, T42N-R20W, |
| 518720 | 5099869 | |
| 518738 | 5099929 | |
| 518804 | 5099971 | |
| 518872 | 5100093 | |
| 518823 | 5100141 | |
| 518600 | 5099975 | Intersection with an ELT/stand line in Section 12, T42N-R20W, Thence Northerly on said ELT line in Section 12, T42N-R20W; and continuing easterly through Section 1, T42N-R20W; and continuing into Section 6, T42N-R19W, |
| 518490 | 5100119 | |
| 518547 | 5100175 | |

| | | |
|--------|---------|--|
| 518512 | 5100245 | |
| 518538 | 5100431 | |
| 518596 | 5100588 | |
| 518861 | 5100584 | |
| 518942 | 5100582 | |
| 519027 | 5100574 | |
| 519215 | 5100572 | |
| 519283 | 5100532 | |
| 519398 | 5100572 | |
| 519409 | 5100780 | |
| 519679 | 5100740 | |
| 519954 | 5100823 | |
| 520057 | 5101007 | |
| 520147 | 5101010 | Intersection with a line 33 feet southerly of the center line of Forest Road 2351B in Section 6, T42N-R19W, Thence Easterly on said line 33 feet southerly of the center line of FR 2351B in Section 6, T42N-R19W, |
| 520156 | 5100971 | |
| 520201 | 5100958 | |
| 520223 | 5100928 | |
| 520226 | 5100884 | |
| 520254 | 5100834 | |
| 520284 | 5100827 | |
| 520339 | 5100812 | |
| 520437 | 5100861 | Intersection with an ELT line northerly of FR 2351B in Section 6, T42N-R19W, Thence Northeasterly on said ELT line in Section 6, T42N-R19W, |
| 520451 | 5100994 | |
| 520601 | 5101001 | |
| 520664 | 5100954 | |
| 520818 | 5101030 | |
| 520897 | 5101040 | Intersection with a stand line in Section 6, T42N-R20W, Thence Northeasterly on said stand line in Section 6, T42N-R20W, |
| 521011 | 5101002 | |
| 521059 | 5101052 | |
| 521323 | 5101017 | |
| 521331 | 5100967 | |
| 521490 | 5101143 | |
| 521490 | 5101222 | |
| 521652 | 5101278 | Intersection with an ELT line being the bottom of a slope in Section 6, T42N-R19W, Thence Northeasterly on said ELT line through Section 6, T42N-R19W; and continuing through Section 5, T42N-R19W; and continuing into Section 32, T43N-R19W, |
| 521937 | 5101261 | |
| 522126 | 5101472 | |
| 522432 | 5101647 | |
| 522922 | 5101848 | |
| 523121 | 5102063 | Intersection with a line 33 feet southeasterly of the center line of a Non-Forest Service Road in Section 32, T43N-R19W, Thence Northeasterly on said line 33 feet southeasterly of the center line of said Non-Forest Service Road through Section 32, T43N-R19W; and continuing into Section 33, T43N-R19W, |

| | | |
|--------|---------|--|
| 523149 | 5102088 | |
| 523175 | 5102105 | |
| 523213 | 5102115 | |
| 523234 | 5102129 | |
| 523250 | 5102161 | |
| 523352 | 5102205 | |
| 523363 | 5102221 | |
| 523357 | 5102260 | Intersection with an ELT line easterly of Non-FS road in Section 33, T43N-R19W, Thence Northeasterly on said ELT line in Section 33, T43N-R19W, |
| 523402 | 5102265 | |
| 523520 | 5102228 | |
| 523681 | 5102410 | Intersection with the west sixteenth line of Section 33, T43N-R19W, Thence North on said west sixteenth line to the Southwest Sixteenth Corner to Section 33, T43N-R19W; and continuing east on the south sixteenth line in Section 33, T43N-R19W, |
| 523681 | 5102428 | |
| 523865 | 5102428 | Intersection with an ELT line on the south sixteenth line of Section 33, T43N-R19W, Thence Northeasterly on said ELT line through Section 33, T43N-R19W; and continuing into Section 34, T43N-R19W, |
| 523965 | 5102518 | |
| 524410 | 5102714 | |
| 524456 | 5102938 | |
| 524611 | 5103016 | |
| 524681 | 5102976 | |
| 524774 | 5103086 | |
| 524827 | 5103240 | |
| 524930 | 5103336 | |
| 525292 | 5103483 | Intersection with the west sixteenth line of Section 34, T43N-R19W, Thence North on said west sixteenth line to the West Sixteenth Corner common to Sections 34 and 27, T43N-R19W; and continuing east on the section line common to Sections 34 and 27, T43N-R19W, |
| 525292 | 5103626 | |
| 525455 | 5103626 | Intersection with an ELT line on the section line common to Sections 34 and 27, T43N-R19W, Thence Northeasterly on said ELT line in Section 27, T43N-R19W, |
| 525453 | 5103745 | |
| 525529 | 5103856 | |
| 525826 | 5104139 | |
| 525982 | 5104288 | |
| 526105 | 5104452 | The Center East Sixteenth Corner to Section 27, T43N-R19W, Thence East on the Center Quarter line to Section 27, T43N-R19W, |
| 526216 | 5104452 | Intersection with an ELT line on the center quarter line of Section 27, T43N-R19W Thence Northeasterly on said ELT line in Section 27, T43N-R19W, |
| 526354 | 5104528 | |
| 526311 | 5104671 | |
| 526504 | 5104837 | The section line common to Sections 27 and 26, T43N-R19W, Thence North on said Section Line common to Sections 27 and 26, T43N-R19W, |
| 526502 | 5105280 | The Section Corner common to Sections 22, 23, 26 and 27, T43N-R19W, Thence East on the Section Line common to Sections 26 and 23, T43N-R19W, |
| 527596 | 5105282 | Intersection with a line 33 feet westerly of the center line of an abandoned Railroad |

grade (AKA Nahma Grade) on said Section Line common to Sections 26 and 23, T43N-R19W,

Thence Southerly on said line 33 feet westerly of the center line of said Nahma Grade through Section 26, T43N-R19W; and continuing through Section 35, T43N-R19W; and continuing through Section 34, T43N-R19W; and continuing into Section 4, T4N-R19W,

527505 5104978
526668 5104056
526634 5103954
526657 5103611
526609 5103515
525893 5102759
525485 5102478
524965 5102203
524851 5101852
524689 5101583
524507 5101464
524165 5101331
524063 5101234
523952 5100952
523956 5100707

Intersection with an ELT line westerly of the Nahma Grade in Section 4, T42N-R19W, Thence Southwesterly on said ELT line through Section 4, T42N-R19W; and continuing through Section 9, T42N-R19W; and continuing through Section 8, T42N-R19W,

523837 5100684
523748 5100558
523500 5100320
523217 5100268
523047 5100328
522963 5100442

Intersection with the Section Line common to Sections 5 and 8, T42N-R19W, Thence West on said Section Line common to Sections 5 and 8, T42N-R19W, The Section Corner common to Sections 5, 6, 7, and 8, T42N-R19W,

521675 5100451

Thence South on the Section Line common to Sections 7 and 8, T42N-R19W

521677 5099988

Intersection with a stand line on said Section Line common to Sections 7 and 8, T42N-R19W,

Thence Westerly on said stand line through Section 7, T42N-R19W; and continuing into Section 12, T42N-R20W,

521474 5100130
521284 5100185
520982 5100185
520415 5100221
520250 5100195
519881 5100396
519623 5100372
519517 5100226

Intersection with a line 33 feet northwesterly of the center line of Forest Road 2352 in Section 12, T42N-R20W,

Thence Southwesterly on said line 33 feet northwesterly of the center line of said FR 2352 in Section 12, T42N-R20W,

519428 5100191
519413 5100147
519333 5100143

| | | |
|--------|---------|---|
| 519189 | 5100055 | |
| 519189 | 5100055 | Intersection with an ELT line southerly of FR 2352 in Section 12, T42N-R20W, Thence Southwesterly on said ELT line in Section 12, T42N-R20W, |
| 518902 | 5099782 | Intersection with an ELT line in Section 12, T42N-R20W, Thence Southerly on said ELT line in Section 12, T42N-R20W, |
| 518926 | 5099660 | |
| 518842 | 5099480 | |
| 518912 | 5099432 | |
| 518924 | 5099213 | Intersection with a line 33 feet southwesterly of the center line of an unmapped road in Section 12, T42N-R20W, Thence Southeasterly on the line 33 feet southwesterly of said unmapped road in Section 12, T42N-R20W, |
| 519137 | 5099080 | |
| 519204 | 5099010 | |
| 519322 | 5098908 | Intersection with a line 33 feet westerly of the center line of Forest Road 2352 in Section 12, T42N-R20W, Thence Southerly on said line 33 feet westerly of the center line of FR 2352 through Section 12, T42N-R20W; and continuing into Section 13, T42N-R20W, |
| 519395 | 5098789 | |
| 519395 | 5098735 | |
| 519376 | 5098662 | |
| 519340 | 5098609 | |
| 519375 | 5098502 | |
| 519477 | 5098356 | |
| 519510 | 5098278 | |
| 519534 | 5098201 | |
| 519551 | 5098161 | Intersection with a line 66 feet southwesterly of the center line of Forest Road 2223 (AKA County Road 442) in Section 13, T42N-R20W, Thence Southeasterly on said line 66 feet southwesterly of the center line of FR 2223 in Section 13, T42N-R20W, |
| 519536 | 5098128 | |
| 519619 | 5098038 | Intersection with the East Sixteenth Line of Section 13, T42N-R20W, Thence South on said East Sixteenth Line of Section 13, T42N-R20W, |
| 519619 | 5098010 | The Center East Sixteenth Corner to Section 13, T42N-R20W, Thence West on the Center Section line to Section 13, T42N-R20W, |
| 519502 | 5098010 | Intersection with a line 33 feet southwesterly of the center line of an unmapped road on the center section line of Section 13, T42N-R20W, Thence Southeasterly on said line 33 feet southwesterly of the center line of said unmapped road through Section 13, T42N-R20W; and continuing through Section 18, T42N-R19W; and continuing into Section 19, T42N-R19W, |
| 519755 | 5097785 | |
| 519881 | 5097453 | |
| 520453 | 5096713 | |
| 520726 | 5096619 | |
| 521398 | 5096162 | Intersection with a line 33 feet southerly of the center line of Forest Road 2023 in Section 19, T42N-R19W, Thence Southeasterly on said line 33 feet southerly of the center line of said FR 2023 through Section 19, T42N-R19W; and continuing into Section 20, T42N-R19W, |
| 521531 | 5095987 | |
| 521643 | 5095934 | |

| | | |
|--------|---------|--|
| 521763 | 5096066 | Intersection with a line 33 feet westerly of the center line of an abandoned and overgrown railroad grade in Section 20, T42N-R-19W, Thence Southerly on said line 33 feet westerly of the center line of said railroad grade through Section 20, T42N-R19W; and continuing into Section 29, T42N-R19W, |
| 522029 | 5095813 | |
| 522262 | 5095584 | |
| 522338 | 5095493 | |
| 522376 | 5095434 | |
| 522383 | 5095387 | |
| 522385 | 5095328 | |
| 522266 | 5095090 | Intersection with a stand line southerly of the RR grade in Section 29, T42N-R19W, Thence Southeasterly on said stand line in Section 29, T42N-R19W, |
| 522266 | 5095089 | |
| 522370 | 5094888 | |
| 522558 | 5094843 | |
| 522639 | 5094929 | |
| 522867 | 5094877 | |
| 522868 | 5094877 | Intersection with an ELT line beginning on FR 8276 in Section 29, T42N-R19W, Thence Southeasterly on said ELT line in Section 29, T42N-R19W; and continuing through Section 28, T42N-R19W; and continuing into Section 33, T42N-R19W, |
| 523071 | 5094700 | |
| 523174 | 5094471 | |
| 523384 | 5094254 | |
| 523452 | 5094018 | |
| 523592 | 5093762 | Intersection with an ELT line in Section 33, T42N-R19W, Thence Southeasterly on said ELT line in Section 33, T42N-R19W, |
| 523704 | 5093705 | |
| 523741 | 5093558 | |
| 523790 | 5093509 | Intersection with an ELT line in Section 33, T42N-R19W, Thence Easterly on said ELT line in Section 33, T42N-R19W, |
| 524023 | 5093555 | Intersection with a line 33 feet southerly of the center line of Forest Road 2342 in Section 33, T42N-R19W, Thence Southeasterly on said line 33 feet southerly of the center line of said FR 2342 in Section 33, T42N-R19W, |
| 524011 | 5093472 | |
| 524015 | 5093454 | |
| 524035 | 5093437 | |
| 524120 | 5093448 | |
| 524180 | 5093402 | |
| 524261 | 5093396 | |
| 524316 | 5093497 | |
| 524332 | 5093501 | |
| 524502 | 5093418 | |
| 524529 | 5093398 | |
| 524554 | 5093361 | |
| 524623 | 5093326 | |
| 524646 | 5093329 | Intersection with an ELT line northerly of FR 2342 in Section 33, T42N-R19W, Thence Easterly on said ELT line in Section 33, T42N-R19W, |
| 524681 | 5093451 | |

| | | |
|--------|---------|--|
| 524716 | 5093503 | |
| 524751 | 5093529 | The center line of FH -13 in Section 33, T42N-R19W, Thence East on the cardinal line to the westerly right-of-way line of the Alger-Delta Power Line Corridor in Section 33, T42N-R19W, |
| 524812 | 5093517 | Intersection with the westerly right-of-way line to the Alger-Delta Power Line Corridor, Section 33, T42N-R19W, Thence southerly on said westerly right-of-way line to said Alger-Delta Power Line Corridor, Section 33, T42N-R19W, |
| 524831 | 5093207 | Intersection with an ELT line easterly of the power line corridor in Section 33, T42N-R19W, Thence Southeasterly on said ELT line to a northerly loop and returning southerly through Section 33, T42N-R19W; and continuing in Section 34, T42N-R19W, |
| 524907 | 5093117 | |
| 524941 | 5093118 | |
| 524984 | 5093162 | |
| 524957 | 5093351 | |
| 524982 | 5093430 | |
| 525047 | 5093404 | |
| 525102 | 5093255 | |
| 525089 | 5093160 | |
| 525123 | 5093133 | Intersection of an ELT line also being the Top of the River Bluff in Section 34, T42N-R19W, Thence Southeasterly on said ELT line/ Top of the River Bluff through Section 34, T42N-R19W; and continuing into Section 3, T41N-R19W, |
| 525306 | 5092938 | |
| 525396 | 5092776 | |
| 525403 | 5092636 | |
| 525590 | 5092393 | |
| 525536 | 5092265 | |
| 525467 | 5092246 | |
| 525533 | 5092117 | |
| 525496 | 5091962 | |
| 525572 | 5091970 | |
| 525634 | 5091848 | |
| 525596 | 5091662 | |
| 525597 | 5091662 | |
| 525634 | 5091622 | |
| 525692 | 5091516 | |
| 525605 | 5091461 | |
| 525443 | 5090879 | Intersection with a line 33 feet westerly of the center line of a road temporarily numbered A93G in Section 3, T41N-R19W, Thence Southerly on said line 33 feet southwesterly of the center line of said Road A93G through Section 3, T41N-R19W; and continuing into Section 10, T41N-R19W, |
| 525369 | 5090691 | |
| 525413 | 5090562 | Intersection with a line 33 feet northeasterly of the center line of Forest Road 2740A in Section 10, T41N-R19W, Thence Northwesterly on said line 33 feet northeasterly of the center line of FR 2740A in Section 10, T41N-R19W, |
| 525305 | 5090618 | |

| | | |
|--------|---------|---|
| 525233 | 5090675 | |
| 525169 | 5090675 | Intersection with an ELT line southerly of FR 2740A in Section 10, T41N-R19W, Thence Southwesterly on said ELT line through Section 10, T41N-R19W; and continuing into Section 9, T41N-R19W, |
| 525082 | 5090573 | |
| 525082 | 5090573 | |
| 525011 | 5090580 | |
| 524954 | 5090420 | |
| 525011 | 5090310 | |
| 524990 | 5090212 | |
| 524885 | 5090188 | |
| 524901 | 5090023 | |
| 524881 | 5089979 | |
| 524815 | 5089967 | |
| 524719 | 5090091 | |
| 524659 | 5090110 | |
| 524597 | 5090015 | |
| 524516 | 5090053 | Intersection with a line 33 feet westerly of the center line of Forest Road 2741 in Section 9, T41N-R19W, Thence Southerly on said line 33 feet westerly of the center line of FR 2741 in Section 9, T41N-R19W, |
| 524513 | 5089967 | |
| 524481 | 5089925 | |
| 524482 | 5089861 | |
| 524467 | 5089785 | |
| 524462 | 5089719 | Intersection with a stand line westerly of FR 2741 in Section 9, T41N-R19W, Thence Southwesterly on said stand line through Section 9, T41N-R19W; and continuing in Section 16, T41N-R19W, |
| 524403 | 5089708 | |
| 524188 | 5089532 | |
| 524128 | 5089494 | |
| 524102 | 5089436 | |
| 524018 | 5089367 | |
| 523862 | 5089211 | |
| 523717 | 5089093 | Intersection with a line 33 feet westerly of the center line of an unmapped road in Section 16, T41N-R19W; and into Section 17, T41N-R19W, Thence Southerly on said line 33 feet westerly of the center line of an unmapped road in Section 16, T41N-R19W, |
| 523615 | 5089000 | |
| 523584 | 5088941 | |
| 523570 | 5088812 | |
| 523613 | 5088714 | Intersection with a stand line southerly of the un-mapped road in Section 16, T41N-R19W, and into Section 17, T41N-R19W, Thence Southwesterly on said stand line through Section 16, T41N-R19W; and continuing into Section 17, T41N-R19W; and returning to Section 16, T41N-R19W, |
| 523638 | 5088683 | |
| 523538 | 5088631 | |
| 523224 | 5088230 | |
| 523268 | 5087983 | Intersection with a line 33 feet westerly of the center line of Forest Road 2231 in Section 16, T41N-R19W, |

| | | |
|--------|---------|---|
| 523217 | 5087927 | Thence Southwesterly on said line 33 feet westerly of the center line of FR 2231 through Section 16, T41N-R19W; and into Section 17, T41N-R19W, Intersection with a stand line southerly of FR 2231 in Section 17, T41N-R19W, Thence Southerly on said stand line through Section 17, T41N-R19W; and continuing into Section 20, T41N-R19W, |
| 523251 | 5087817 | |
| 523237 | 5087669 | |
| 523207 | 5087642 | |
| 523180 | 5087491 | Intersection with the extension of a stand line also being the center line of a power line in Section 20, T41N-R19W, Thence Southerly on said stand line through Section 20, T41N-R19W; and continuing into Section 21, T41N-R19W, |
| 523163 | 5087411 | |
| 523176 | 5087110 | |
| 523294 | 5086708 | Intersection with the extension a stand line also being the center line of a pipeline in Section 21, T41N-R19W, Thence Southerly on said stand line in Section 21, T41N-R19W, |
| 523300 | 5086573 | |
| 523353 | 5086501 | |
| 523359 | 5086448 | |
| 523455 | 5086323 | |
| 523464 | 5086123 | Intersection with a line 33 feet northwesterly of the center line of Forest Road 2412 in Section 21, T41N-R19W, Thence Southwesterly on said line 33 feet northwesterly of the center line of said FR 2412 through Section 21, T41N-R19W; and continuing through Section 20, T41N-R19W; and continuing into Section 29, T41N-R19W, |
| 523453 | 5086114 | |
| 523396 | 5086100 | |
| 523315 | 5086099 | |
| 523244 | 5086025 | |
| 523216 | 5086016 | |
| 523165 | 5086041 | |
| 523120 | 5086026 | |
| 523049 | 5085952 | |
| 523039 | 5085914 | |
| 523100 | 5085622 | |
| 523090 | 5085601 | Intersection with an ELT/stand line southerly of FR 2412 in Section 29, T41N-R19W, Thence Southerly on said ELT/stand line in Section 29, T41N-R19W, |
| 523006 | 5085309 | Intersection with a line 33 feet westerly of the center line of Forest Road 2412 in Section 29, T41N-R19W, Thence Southerly on said line 33 feet westerly of the center line of FR 2412 and along the Section Line common to Sections 28 and 29, T41N-R19W; and crossing said section line several times continuing through Section 28 and Section 29, T41N-R19W; and continuing through Section 32, T41N-R19W; and continuing through Section 33, T41N-R19W; and continuing into Section 6, T40N-R19W, |
| 523236 | 5084929 | |
| 523259 | 5084883 | |
| 523265 | 5084832 | |
| 523243 | 5084797 | |

| | |
|--------|---------|
| 523266 | 5084748 |
| 523268 | 5084569 |
| 523247 | 5084481 |
| 523267 | 5084444 |
| 523273 | 5084358 |
| 523206 | 5084287 |
| 523201 | 5084230 |
| 523344 | 5084103 |
| 523364 | 5084062 |
| 523342 | 5083926 |
| 523377 | 5083727 |
| 523413 | 5083609 |
| 523409 | 5083466 |
| 523497 | 5083437 |
| 523578 | 5083327 |
| 523597 | 5083261 |
| 523649 | 5083209 |
| 523773 | 5082952 |
| 523785 | 5082887 |
| 523774 | 5082803 |
| 523735 | 5082723 |
| 523702 | 5082680 |
| 523633 | 5082508 |
| 523597 | 5082401 |

Intersection with the extension of a line 33 feet westerly of the center line of Forest Road 2210 in Section 6, T40N-R19W,
Thence Southerly on said line 33 feet westerly of the center line of FR 2210 through Section 6, T40N-R19W; and continuing through Section 7, T40N-R19W; and continuing into Section 8, T40-R19W,

| | |
|--------|---------|
| 523563 | 5082304 |
| 523551 | 5082176 |
| 523531 | 5082140 |
| 523471 | 5082111 |
| 523411 | 5082085 |
| 523384 | 5082020 |
| 523406 | 5081940 |
| 523505 | 5081863 |
| 523522 | 5081810 |
| 523494 | 5081740 |
| 523453 | 5081691 |
| 523442 | 5081620 |
| 523463 | 5081543 |
| 523622 | 5081436 |
| 523651 | 5081361 |
| 523665 | 5081180 |
| 523715 | 5081091 |
| 523859 | 5080990 |
| 523971 | 5080972 |
| 524022 | 5080889 |
| 524183 | 5080766 |
| 524291 | 5080723 |

| | | |
|--------|---------|--|
| 524348 | 5080759 | |
| 524440 | 5080755 | |
| 524461 | 5080744 | |
| 524473 | 5080702 | Intersection with a stand line easterly of FR 2210 in Section 8, T40N-R19W Thence Southeasterly on said stand line in Section 8, T40N-R19W, |
| 524616 | 5080539 | |
| 524736 | 5080465 | |
| 524833 | 5080279 | |
| 524841 | 5080053 | |
| 524861 | 5079982 | |
| 525006 | 5079806 | |
| 525035 | 5079758 | Intersection with an ELT line in Section 8, T40N-R19W, Thence Southeasterly on said ELT line through Section 8, T40N-R19W; and continuing into Section 17, T40N-R19W, |
| 525200 | 5079522 | |
| 525495 | 5079313 | |
| 525461 | 5079266 | |
| 525505 | 5079216 | |
| 525660 | 5079227 | |
| 525679 | 5079147 | |
| 525771 | 5079136 | |
| 525865 | 5079181 | Intersection with a one-quarter mile stream buffer line in Section 17, T40N-R19W, Thence Southeasterly on an arc to the right one-quarter mile distance from the river through Section 17, T40N-R19W; and continuing into Section 16, T40N-R19W, |
| 525966 | 5079122 | |
| 526054 | 5079023 | |
| 526104 | 5078930 | |
| 526131 | 5078822 | |
| 526129 | 5078696 | |
| 526084 | 5078566 | Intersection with an ELT line in Section 16, T40N-R19W, Thence Southerly on said ELT line in Section 16, T40N-R19W, |
| 526100 | 5078504 | |
| 526127 | 5078456 | |
| 526124 | 5078412 | |
| 526079 | 5078256 | |
| 526142 | 5078211 | |
| 526122 | 5078112 | |
| 526137 | 5078022 | |
| 526149 | 5077986 | |
| 526127 | 5077897 | |
| 526150 | 5077828 | Intersection with the Section Line common to Sections 16 and 21, T40N-R19W, Thence East on said Section Line common to Sections 16 and 21, T40N-R19W, |
| 526248 | 5077829 | Intersection with an ELT line on the Section Line common to Sections 16 and 21, T40N-R19W, Thence Southerly on said ELT line in Section 21, T40N-R19W, |
| 526372 | 5077728 | |
| 526382 | 5077632 | |
| 526324 | 5077577 | |
| 526209 | 5077541 | |
| 526204 | 5077492 | |

| | | |
|--------|---------|--|
| 526337 | 5077387 | |
| 526287 | 5077257 | |
| 526168 | 5077229 | |
| 526091 | 5077131 | |
| 526021 | 5077128 | Intersection with a line 66 feet westerly of the center line of Forest Road 8258 (AKA County Road 497) in Section 21, T40N-R19W, Thence Southerly on said line 66 feet westerly of the center line of FR 8258 in Section 21, T40N-R19W, |
| 526045 | 5076316 | |
| 526067 | 5076254 | Intersection with the center line of an unmapped road in Section 21, T40N-R19W, Thence Southwesterly on the center line of said unmapped road through Section 21, T40N-R19W; and continuing through the accreted land in section 28, T40N-R19W; and continuing into the accreted lands of Section 20, T40N-R19W; on the left bank of the river near the mouth, |
| 526002 | 5076236 | |
| 525941 | 5076199 | |
| 525926 | 5076183 | |
| 525867 | 5076171 | |
| 525856 | 5076156 | |
| 525857 | 5076139 | |
| 525913 | 5076051 | Intersect the Forest Proclamation Boundary on the shore of Big Bay deNoc in said accreted lands of Section 20, T40N-R19W, Thence Westerly on said Forest Proclamation Boundary in said accreted lands of Section 20, T40N-R19W; and over the river near the mouth, |
| 525737 | 5076045 | |
| 525222 | 5076172 | Intersection with a connecting line extending south from the point of beginning to the Forest Proclamation Boundary in said accreted lands of Section 20, T40N-R19W, Thence North on said connecting line in the accreted lands of Section 20, T40N-R19W, |
| 525224 | 5076423 | Point of Beginning. |

GIS Data Compilation by:
 Scott Maki
 GIS Coordinator
 Hiawatha National Forest

Signed: /s/ Scott Maki Date: May 2, 2011

Described by:
 Charles J. Oslund P.S. 50445
 Forest Land Surveyor
 Hiawatha National Forest

Signed: /s/ Charles J. Oslund Date: April 27, 2011