



# **APPENDIX D**

## EA Errata



**Double Track Northwest Indiana Project**

*Finding of No Significant Impact*

*November 1, 2018*

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**Appendix D – EA Errata**

The following items represent changes or clarifications since the EA was published that are incorporated into the EA document by reference. These changes are necessary to correct inaccuracies in the floristic inventory contained in Section 4.9 of the EA and Appendix III of the EA: “Floristic Quality Assessment, Threatened and Endangered Plant Survey, and Woodland Characterization Investigation” report and to clarify mitigation.

Section 4.9.2 of the EA describes existing conditions of state-listed threatened or endangered plant species. Table 4-21 on page 4-77 identifies seven state-listed plant species observed within the Project Area and the potential impacts to their habitats. This same information is also reflected in Table 3-1 of the Floristic Quality Assessment in Appendix III of the EA. The following changes are made to the two tables:

- a. Remove Skinner’s false foxglove (*Agalinis skinneriana*)
- b. Remove Hairy golden aster (*Chrysopsis villosa*)
- c. Remove Russet buffalo-berry (*Shepherdia Canadensis*)
- d. Remove Forked bluecurls (*Trichostema dichotomum*)
- e. Add Kalm’s St. John’s-wort (*Hypericum kalmianum*)
- f. Add Needle-pod rush (*Juncus scirpoides*)
- g. Add Dwarf ginseng (*Panax trifolius*)
- h. Add White Pine (*Pinus strobus*)

Although there are changes to the species contained in this list since the EA, the number of state-listed threatened or endangered species remains at seven. The revised Table 4-21 is shown below. The maps indicating the general locations of habitat units containing state-listed species were also updated accordingly.

**Table 4-21: Plant State-listed Species Observed within the Project Area and Potential Impacts to Their Habitats**

Added since Published EA?	Common name (scientific name)	State Status	Location within Project Area (Habitat Unit and Wetland ID)	Locations within Construction Footprint
No	Speckled alder ( <i>Alnus incana</i> )	State watch list	<ul style="list-style-type: none"> <li>• Along the north side of the NICTD/CSS railroad tracks between Lake Shore County Road and Broadway Road (MP 38.56–39.30)</li> <li>• Between Broadway Road and Kemil Road (MP 39.34–40.73)</li> <li>• Along the north side of the NICTD/CSS railroad tracks between Waverly Road and Mineral Springs Road (MP 44.05–45.12)</li> </ul>	Portions of the three habitat units are within the construction footprint. Without mitigation, the proposed Project is likely to affect the speckled alder.



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Added since Published EA?	Common name (scientific name)	State Status	Location within Project Area (Habitat Unit and Wetland ID)	Locations within Construction Footprint
No	Bebb's sedge ( <i>Carex bebbii</i> )	State threatened	<ul style="list-style-type: none"> <li>• Wetland 40-3 along the north side of the NICTD/CSS railroad tracks between Kemil Road and the Furnessville substation (MP 40.73–41.82)</li> <li>• Wetland 41-1 along the north side of the NICTD/CSS railroad tracks between the Furnessville substation and Tremont Road (MP 41.86–42.94)</li> <li>• Wetland 43-3 between State Route 49 and Waverly Road (MP 43.78–44.03)</li> <li>• Wetland 47-1 west of the NS crossing, along the south side of the NICTD/CSS railroad track (MP 47.43–48.01)</li> <li>• Wetland 55-1 between Lake and Clay Streets (MP 55.05–55.69)</li> </ul>	Four of the five wetlands in which this species was observed are partially within the construction footprint. Without mitigation, Bebb's sedge is likely to be affected by the proposed Project.
No	Northern long sedge ( <i>Carex folliculata</i> )	State rare	<ul style="list-style-type: none"> <li>• Wetland 38-1 along the north side of the NICTD/CSS railroad tracks between Lake Shore County and Broadway Roads (MP 38.56–39.30)</li> <li>• Wetland 39-2 and/or 40-1 along the north side of the NICTD/CSS railroad tracks between Broadway and Kemil Roads (MP 39.34–40.73)</li> <li>• Wetland 40-3 along the north side of the NICTD/CSS railroad tracks between Kemil Road and Furnessville substation (MP 40.73–41.82)</li> <li>• Wetland 41-1 along the north side of the NICTD/CSS railroad tracks between Furnessville substation and Tremont Road (MP 41.86–42.94)</li> <li>• Wetland 43-1 along the north side of the NICTD/CSS railroad tracks between Tremont Road and State Route 49 (MP 42.95–43.74)</li> <li>• Wetland 44-2 and 44-4 along the north side of the NICTD/CSS railroad tracks between Waverly and Mineral Springs Roads (MP 44.05–45.12)</li> </ul>	Portions of seven of the eight wetlands where this species was documented are within the construction footprint. Without mitigation, the northern long sedge is likely to be affected.



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Added since Published EA?	Common name (scientific name)	State Status	Location within Project Area (Habitat Unit and Wetland ID)	Locations within Construction Footprint
Yes	Kalm's St. John's-wort ( <i>Hypericum kalmianum</i> )	State watch list	<ul style="list-style-type: none"> <li>Large strip along the south side of the tracks between U.S. 12 and Lake Park Avenue (MP 36.0 – 36.5).</li> <li>Wetland W36-4 along the north side of the tracks between U.S. 12 and Central Avenue (MP 36.0 – 36.7).</li> </ul>	Portions of the two habitat units are within the construction footprint. Without mitigation, the proposed Project is likely to affect the Kalm's St. John's-wort.
Yes	Needle-pod rush ( <i>Juncus scirpoides</i> )	State threatened	<ul style="list-style-type: none"> <li>Wetland 47-1 west of the NS crossing to Shadyside Road along the south side of the NICTD/CSS railroad track (MP 47.43–48.01)</li> </ul>	Narrow 1.3-acre strip immediately adjacent to the track, as part of the new bridge over the NS tracks. Without mitigation, the proposed Project is likely to affect the Needle-pod rush.
Yes	Dwarf ginseng ( <i>Panax trifolius</i> )	State watch list	<ul style="list-style-type: none"> <li>3.4 acre section of woods along the south side of the track in area identified for Dune Park parking expansion (MP 43.3 to 43.45)</li> </ul>	Proposed parking area for Dune Park Station. Without mitigation, the proposed Project is likely to affect the Dwarf ginseng.
Yes	White pine ( <i>Pinus strobus</i> )	State rare	<ul style="list-style-type: none"> <li>0.6-acre strip of woods on the south side of track east of Tremont Road (MP 42.8 – 42.95).</li> <li>1.0-acre strip of woods on the south side of track east of the ArcelorMittal plant entrance (MP 45.9 – 46.3).</li> <li>2.6-acre strip of woods on the south side of the track west of the ArcelorMittal plant entrance (MP 46.3 - 46.4).</li> <li>0.3-acre portion of a disturbed woodlot in a residential setting along 10<sup>th</sup> Street, west of Carlon Court in Michigan City (MP 34.9) .</li> </ul>	Portions of the four habitat units are within the construction footprint. Without mitigation, the proposed Project is likely to affect the White pine.



Page 4-82 of the EA lists mitigation for impacts to state-listed plant species and identifies the general location of compensatory mitigation sites. The EA identified the location as “land within the Indiana National Lakeshore.” The corrected name of the location is changed to “Indiana Dunes National Lakeshore.”

Additional changes to other, non-listed species are made to the text and tables in the EA Appendix III: Floristic Quality Assessment, as described below. The corrected tables are available at: <http://www.doubletrack-nwi.com/images/updatedPlantList.pdf>.

A. Species Changes

1. Changed *Ampelopsis brevipedunculata* in habitat units H19, H24, and H25 in the original report to *Vitis labrusca*.
2. Changed *Asclepias lanuginosa* in the original report to *Asclepias longifolia* (= *A. hirtella*).
3. Although most of these sedges were identified as *Carex grayii*, the potential exists that some may have been the similar *Carex intumescens*. Because it is not possible at this time to determine which habitat units should be corrected, the individual habitat occurrences have not been revised with the understanding that some of these could potentially be *Carex intumescens*.
4. Changed *Chrysopsis villosa* for habitat units H24 and H33 in the original report to *Heterotheca subaxillaris*.
5. Changed *Hypericum prolificum* in the original report to *Hypericum kalmianum*.
6. Changed *Lilium philadelphicum* var. *andinum* in the original report to *Lilium michiganense*.
7. Changed *Agalinis aspera* for habitat unit H34 in the original report to *Linaria vulgaris*.
8. Changed *Shepherdia canadensis* for habitat unit H10 in the original report to *Lonicera sp./Ligustrum sp.*
9. Changed *Trichostema dichotomum* in the original report to *Lythrum salicaria*.
10. Changed *Ribes triste* for habitat unit H25 in the original report to *Ribes rubrum*.
11. Changed *Trillium sessile* in the original report to *Trillium recurvatum*.
12. Although all of the cattails encountered within the project area were identified as either *Typha angustifolia* or *Typha latifolia*, several of these occurrences might have been the hybrid *Typha x glauca*. Because it is not possible at this time to determine which habitat units the correction should be made, the individual habitat occurrences have not been revised with the understanding that some of these could potentially be *Typha x glauca*.
13. Changed *Viburnum dentatum* in the original report to *Viburnum recognitum* for habitat units H10 and H44.
14. Changed *Coleataenia anceps* (aka *Panicum anceps*) for habitat units H02, H14 and wetlands W42-3 in the original report to *Panicum virgatum*.
15. Changed *Coleataenia longifolia* for habitat units H43 in the original report to *Coleataenia rigidula*.
16. Changed *Muhlenbergia sobolifera* for habitat unit H02 and wetland W37-3 in the original report to *Muhlenbergia frondosa*.

B. Further review of the master plant list resulted in the identification of several relict species names for which there are no accounts in any of the habitat unit or wetland columns. In most instances, these were initial species identifications that were later revised and not deleted. The plant list has been revised to delete:

1. *Artemesia dracuncululus*
2. *Crataegus macrosperma*
3. *Euphorbia hexagona*



4. *Muhlenbergia racemosa*
5. *Melilotus officinalis*
6. *Ornithogalum umbellatum*
7. *Ribes lacustre*
8. *Viburnum acerifolium*

C. Further review of the master plant disclosed that there were a few instances where there was a species on the list, but there was no indication as to which habitat unit or wetland where it was found. The following corrections have been made to the master plant list and the recalculations of the FQA indices for the respective habitat units and/or wetland have been completed.

1. *Asclepias purpurascens* has been included for habitat unit H02
2. *Heterotheca subaxillaris* has been included for habitat unit H43
3. *Juncus marginatus* has been included for habitat unit H10 and wetland W41
4. *Symphoricarpos occidentalis* has been included for habitat unit H30

D. A comparative review of the taxonomic name used in the original technical report with the USACE Chicago Region list identified several instances where the name provided in the technical report list was not the preferred synonym for the USACE Chicago Region Floristic Quality Assessment Calculator. This does not result in any qualitative changes to the list or report, but merely updates the species' taxonomic name to be consistent with USACE's list.

1. *Arabis lyrata* changed to *Arabidopsis lyrata*
2. *Cyperus filiculmis* changed to *Cyperus lupulinus*
3. *Myriophyllum exalbescens* changed to *Myriophyllum sibiricum*
4. *Polanisia graveolens* changed to *Polanisia dodecandra*
5. *Polygonatum canaliculatum* changed to *Polygonatum biflorum var. commutatum*
6. *Stachys hispida* changed to *Stachys tenuifolia*