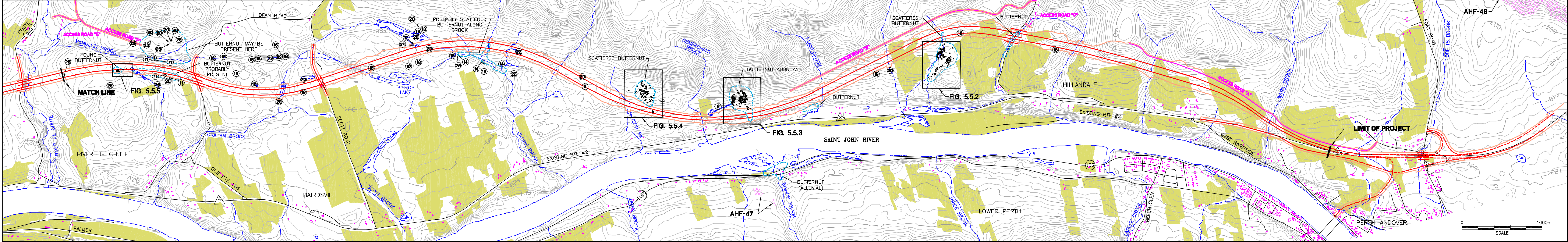


RARE PLANT LEGEND

- | | |
|---|--|
| ① BOTTLE-BRUSH GRASS (<i>Elymus hystrix</i>) | ⑩ CANADA CLEARWEED (<i>Pilea pumila</i>) |
| ② NODDING FESCUE (<i>Festuca subverticillata</i>) | ⑪ LESSER BLADDERWORT (<i>Utricularia minor</i>) |
| ③ PALE TOUCH-ME-NOT (<i>Impatiens pallida</i>) | ⑫ NORTHERN MAIDENHAIR-FERN (<i>Adiantum pedatum</i>) |
| ④ FRAGRANT BLACK SNAKE-ROOT (<i>Sanicula odorata</i>) | ⑬ LANCE-LEAF GRAPEFERN (<i>Botrychium lanceolatum</i> var. <i>angustisegmentum</i>) |
| ⑤ LEATHERWOOD (<i>Dirca palustris</i>) | ⑭ LARGE YELLOW LADY'S-SLIPPER (<i>Cypripedium parviflorum</i> var. <i>pubescens</i>) |
| ⑥ CANADA VIOLET (<i>Viola canadensis</i>) | ⑮ BRAUN'S HOLLY FERN (<i>Polystichum braunii</i>) |
| ⑦ CALYPSO OR VENUS' SLIPPER (<i>Calypto bulbosa</i>) | ⑯ SMALL YELLOW WATER-CROWFOOT (<i>Ranunculus gmelinii</i> var. <i>purshii</i>) |
| ⑧ MOUNTAIN VALERIAN (<i>Valeriana uliginosa</i>) | ⑰ CLAMMY-HEDGE-HYSSOP (<i>Gratiola neglecta</i>) |
| ⑨ HOOKED AGRIMONY (<i>Agrimonia gryposepala</i>) | ⑱ SMALL-FRUITED BURREED (<i>Sparganium natans</i>) |
| ⑩ BOREAL BOG SEDGE (<i>Carex magellanica</i> ssp. <i>magellanica</i>) | ⑲ BLUE COHOSH (<i>Caulophyllum thalictroides</i>) |
| ⑪ PLANTAIN-LEAVED SEDGE (<i>Carex plantaginea</i>) | ⑳ ROSY SEDGE (<i>Carex rosea</i>) |
| ⑫ SPRENGEL'S SEDGE (<i>Carex sprengei</i>) | ㉑ HEARTLEAF TWYBLADE (<i>Listera cordata</i>) |
| ⑬ SHOWY LADY'S-SLIPPER (<i>Cypripedium reginae</i>) | ㉒ FEN GRASS-OF-PARNASSUS (<i>Parnassia glauca</i>) |
| ⑭ GOLDIE'S FERN (<i>Dryopteris goldiana</i>) | ㉓ BLACK-SEED PLANTAIN (<i>Plantago rugelii</i>) |
| ⑮ LOPSEED (<i>Phryma leptostachya</i>) | ㉔ HIDDEN-SCALED SEDGE (<i>Carex cryptolepis</i>) |
| | ㉕ LESSER TUSSOCK SEDGE (<i>Carex diandra</i>) |



NOTE:
ALL LAND USE SHADING BASED ON FOREST INVENTORY MAPPING (1996/2000)

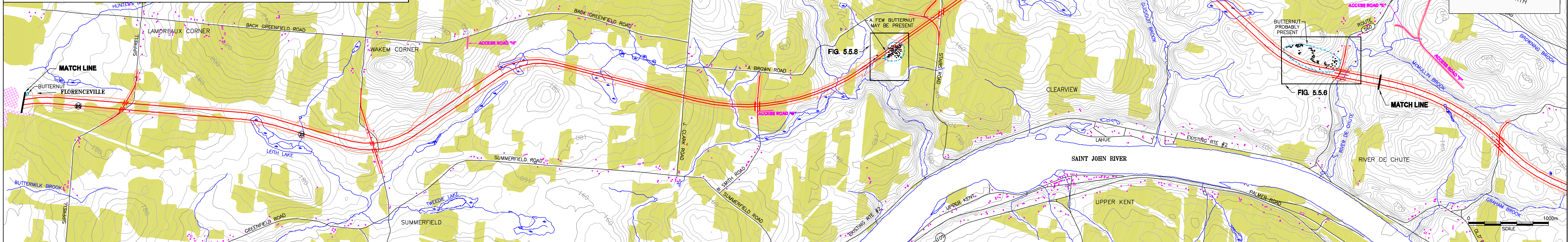
**RARE PLANTS AND APPALACHIAN HARDWOOD FOREST
NEW ROUTE 2 TRANS-CANADA HIGHWAY PROJECT
PERTH-ANDOVER TO WOODSTOCK**

Date:	2004 02 12	Scale:	1 : 20 000
Job No.:	14677	Fig. No.:	5.5.1-A

Jacques Whitford
Consulting Engineers
Environmental Scientists

FILE: 14677 WORKING PERTH/ANDOVER-FLORISSAVILLE

RARE PLANT LEGEND	
1	BOTTLE-BRUSH GRASS (<i>Elymus hystrix</i>)
2	NODDING FESCUE (<i>Festuca subverticillata</i>)
3	PALE TOUCH-ME-NOT (<i>Impatiens pallida</i>)
4	FRAGRANT BLACK SNAKE-ROOT (<i>Sanicula odorata</i>)
5	LEATHERWOOD (<i>Dicra palustris</i>)
6	CANADA VIOLET (<i>Viola canadensis</i>)
7	CALYPSO OR VENUS' SLIPPER (<i>Calypso bulbosa</i>)
8	MOUNTAIN VALERIAN (<i>Valeriana uliginosa</i>)
9	HOOKEED AGRIMONY (<i>Agrimonia gryposepala</i>)
10	BOREAL BOG SEDGE (<i>Carex magellanica</i> ssp. <i>magellanica</i>)
11	PLANTAIN-LEAVED SEDGE (<i>Carex plantaginea</i>)
12	SPRENGEL'S SEDGE (<i>Carex sprengei</i>)
13	SHOWY LADY'S-SLIPPER (<i>Cypripedium reginae</i>)
14	GOLDIE'S FERN (<i>Dryopteris goldiana</i>)
15	LOPSEED (<i>Phryma leptostachya</i>)
16	CANADA CLEARWEED (<i>Pilea pumila</i>)
17	LESSER BLADDERWORT (<i>Utricularia minor</i>)
18	NORTHERN MAIDENHAIR-FERN (<i>Adiantum pedatum</i>)
19	LANCE-LEAF GRAPEFERN (<i>Botrychium lanceolatum</i> var. <i>angustisegmentum</i>)
20	LARGE YELLOW LADY'S-SLIPPER (<i>Cypripedium parviflorum</i> var. <i>pubescens</i>)
21	BRAUN'S HOLLY FERN (<i>Polystichum braunii</i>)
22	SMALL YELLOW WATER-CROWFOOT (<i>Ranunculus gmelinii</i> var. <i>purshii</i>)
23	CLAMMY-HEDGE-HYSSOP (<i>Gratiola neglecta</i>)
24	SMALL-FRUITED BURREED (<i>Sparganium natans</i>)
25	BLUE COHOSH (<i>Caulophyllum thalictroides</i>)
26	ROSY SEDGE (<i>Carex rosea</i>)
27	HEARTLEAF TWAYBLADE (<i>Listera cordata</i>)
28	FEN GRASS-OF-PARNASSUS (<i>Parnassia glauca</i>)
29	BLACK-SEED PLANTAIN (<i>Plantago rugelii</i>)
30	HIDDEN-SCALED SEDGE (<i>Carex cryptolepis</i>)
31	LESSER TUSOCK SEDGE (<i>Carex diandra</i>)



NOTE:
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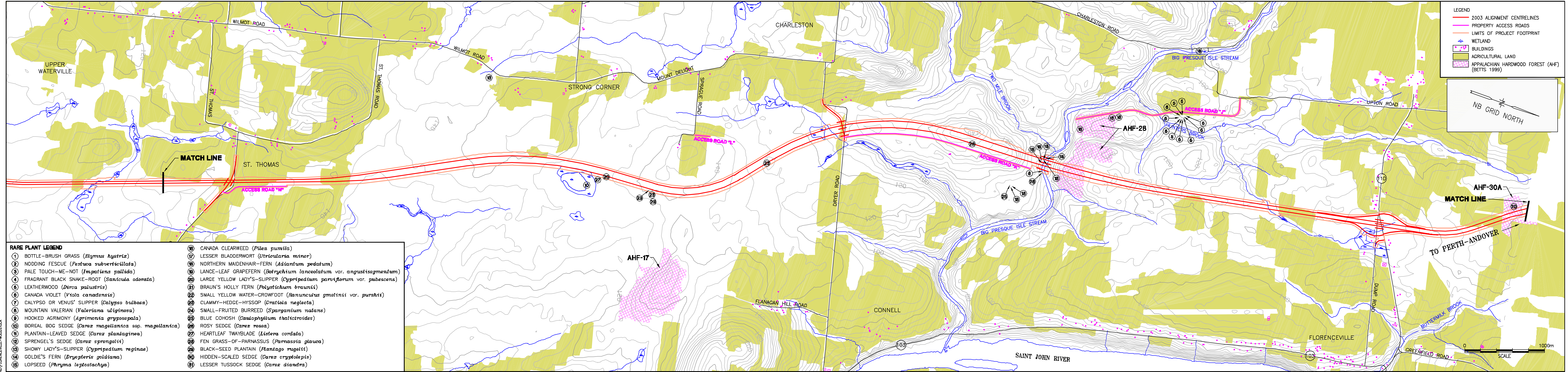
RARE PLANTS AND APPALACHIAN HARDWOOD FOREST
NEW ROUTE 2 TRANS-CANADA HIGHWAY PROJECT
PERTH-ANDOVER TO WOODSTOCK

Date:	2004 02 04	Scale:	1 : 20 000
Job No.:	14677	Fig. No.:	5.5.1-B

Jacques Whitford
Consulting Engineers
Environmental Scientists

THE OWNERS & THE PROJECT ENGINEER HEREBY AGREE AND IT SHALL BE THE USER'S RESPONSIBILITY TO VERIFY THE ACCURACY OF THE DATA AND INFORMATION PROVIDED AND TO BE RESPONSIBLE FOR THE USE OF THE INFORMATION FOR THE PROJECT FOR WHICH IT IS USED.


FILE: 14677 WORKING PERTH-ANDOVER-FLORENCEVILLE



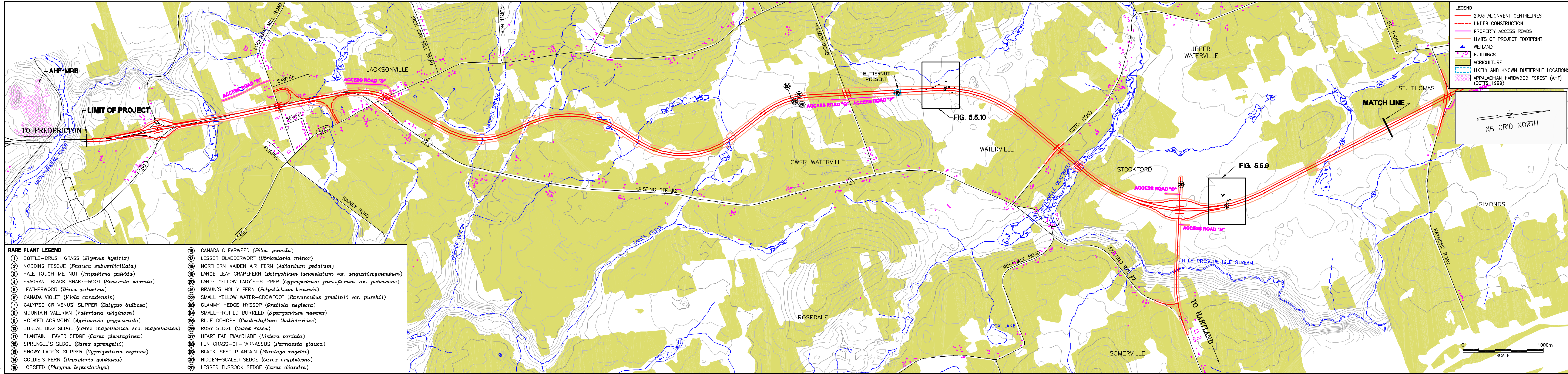
RARE PLANT LEGEND

① BOTTLE-BRUSH GRASS (<i>Elymus hystrix</i>)	⑩ CANADA CLEARWEED (<i>Pilea pumila</i>)
② NODDING FESCUE (<i>Festuca subverticillata</i>)	⑪ LESSER BLADDERWORT (<i>Utricularia minor</i>)
③ PALE TOUCH-ME-NOT (<i>Impatiens pallida</i>)	⑫ NORTHERN MAIDENHAIR-FERN (<i>Adiantum pedatum</i>)
④ FRAGRANT BLACK SNAKE-ROOT (<i>Sanicula odorata</i>)	⑬ LANCE-LEAF GRAPEFERN (<i>Botrychium lanceolatum</i> var. <i>angustisegmentum</i>)
⑤ LEATHERWOOD (<i>Dirca palustris</i>)	⑭ LARGE YELLOW LADY'S-SLIPPER (<i>Cypripedium parviflorum</i> var. <i>pubescens</i>)
⑥ CANADA VIOLET (<i>Viola canadensis</i>)	⑮ BRAUN'S HOLLY FERN (<i>Polystichum braunii</i>)
⑦ CALYPSO OR VENUS' SLIPPER (<i>Calypso bulbosa</i>)	⑯ SMALL YELLOW WATER-CROWFOOT (<i>Ranunculus gmelinii</i> var. <i>purshii</i>)
⑧ MOUNTAIN VALERIAN (<i>Valeriana uliginosa</i>)	⑰ CLAMMY-HEDGE-HYSSOP (<i>Cratiola neglecta</i>)
⑨ HOOKED AGRIMONY (<i>Agrimonia gryposepala</i>)	⑱ SMALL-FRUITED BURREED (<i>Sparganium natans</i>)
⑩ BOREAL BOG SEDGE (<i>Carex magellanica</i> ssp. <i>magellanica</i>)	⑲ BLUE COHOSH (<i>Caulophyllum thalictroides</i>)
⑪ PLANTAIN-LEAVED SEDGE (<i>Carex plantaginea</i>)	⑳ ROSY SEDGE (<i>Carex rosea</i>)
⑫ SPRENGEL'S SEDGE (<i>Carex sprengei</i>)	㉑ HEARTLEAF TWAYBLADE (<i>Listera cordata</i>)
⑬ SHOWY LADY'S-SLIPPER (<i>Cypripedium reginae</i>)	㉒ FEN GRASS-OF-PARNASSUS (<i>Parnassia glauca</i>)
⑭ GOLDIE'S FERN (<i>Dryopteris goldiana</i>)	㉓ BLACK-SEED PLANTAIN (<i>Plantago rugelii</i>)
⑮ LOPSEED (<i>Phryma leptostachya</i>)	㉔ HIDDEN-SCALED SEDGE (<i>Carex cryptolepis</i>)
	㉕ LESSER TUSSOCK SEDGE (<i>Carex diandra</i>)

NOTE:
ALL LAND USE SHADING BASED ON FOREST INVENTORY MAPPING (1996/2000)

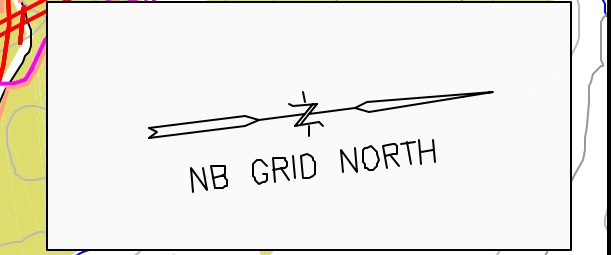
RARE PLANTS AND APPALACHIAN HARDWOOD FOREST NEW ROUTE 2 TRANS-CANADA HIGHWAY PROJECT PERTH-ANDOVER TO WOODSTOCK		Date: 2004 02 03	Scale: 1 : 20 000	 Jacques Whitford Consulting Engineers Environmental Scientists
		Job No.: 14677	Fig. No.: 5.5.1-C	

FILE: 14677\WORKING\LORENSEVILLE-WOODSTOCK



LEGEND

- 2003 ALIGNMENT CENTRELINES
- - - UNDER CONSTRUCTION
- PROPERTY ACCESS ROADS
- LIMITS OF PROJECT FOOTPRINT
- WETLAND
- BUILDINGS
- AGRICULTURE
- LIKELY AND KNOWN BUTTERNUT LOCATIONS
- APPALACHIAN HARDWOOD FOREST (AHF) (BETTS 1999)



RARE PLANT LEGEND

① BOTTLE-BRUSH GRASS (<i>Elymus hystrix</i>)	⑮ CANADA CLEARWEED (<i>Pilea pumila</i>)
② NODDING FESCUE (<i>Festuca subverticillata</i>)	⑯ LESSER BLADDERWORT (<i>Utricularia minor</i>)
③ PALE TOUCH-ME-NOT (<i>Impatiens pallida</i>)	⑰ NORTHERN MAIDENHAIR-FERN (<i>Adiantum pedatum</i>)
④ FRAGRANT BLACK SNAKE-ROOT (<i>Sanicula odorata</i>)	⑱ LANCE-LEAF GRAPEFERN (<i>Botrychium lanceolatum</i> var. <i>angustisegmentum</i>)
⑤ LEATHERWOOD (<i>Dirca palustris</i>)	⑲ LARGE YELLOW LADY'S-SLIPPER (<i>Cypripedium parviflorum</i> var. <i>pubescens</i>)
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⑩ BOREAL BOG SEDGE (<i>Carex magellanica</i> ssp. <i>magellanica</i>)	㉔ BLUE COHOSH (<i>Caulophyllum thalictroides</i>)
⑪ PLANTAIN-LEAVED SEDGE (<i>Carex plantaginea</i>)	㉕ ROSY SEDGE (<i>Carex rosea</i>)
⑫ SPRENGEL'S SEDGE (<i>Carex sprengei</i>)	㉖ HEARTLEAF TWAYBLADE (<i>Listera cordata</i>)
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⑭ GOLDIE'S FERN (<i>Dryopteris goldiana</i>)	㉘ BLACK-SEED PLANTAIN (<i>Plantago rugelii</i>)
⑰ LOPSEED (<i>Phryma leptostachya</i>)	㉙ HIDDEN-SCALED SEDGE (<i>Carex cryptolepis</i>)
	㉚ LESSER TUSSOCK SEDGE (<i>Carex diandra</i>)

NOTE:
ALL LAND USE SHADING BASED ON FOREST INVENTORY MAPPING (1996/2000)

**RARE PLANTS AND APPALACHIAN HARDWOOD FOREST
NEW ROUTE 2 TRANS-CANADA HIGHWAY PROJECT
PERTH-ANDOVER TO WOODSTOCK**

Date: 2004 02 03	Scale: 1 : 20 000	<p>Jacques Whitford Consulting Engineers Environmental Scientists</p>
Job No.: 14677	Fig. No.: 5.5.1-D	

FILE: 14677 WORKING FLORENCEVILLE-WOODSTOCK