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SUMMARY SHEETS: ATTRIBUTES OF WISCONSIN LAKE PLANTS

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Wisconsin Geological and Natural History Survey

and

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Wisconsin Department of Natural Resources

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SPECIES: Acorus calamus SPECIES CODE: ACOCA

COMMON NAME: sweetflag

BASIC INFORMATION*

Life form: E Life cycle: P Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
-	P	X	-	-	-	X	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	X	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
N	N	C	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Brasenia schreberi SPECIES CODE: BRASC

COMMON NAME: watershield

BASIC INFORMATION*

Life form: FL Life cycle: P Status: C

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	Y	D	D

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
S	G	-	-	-	-	-	X	C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	-	-	-	x	x

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
N	N	C	-	N	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Carex sp. or spp. SPECIES CODE: CARSP

COMMON NAME: --

BASIC INFORMATION*

Life form: E Life cycle: B Status: -

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	I	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S	F	X	-	-	-	X	-	S

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	-	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Carex comosa SPECIES CODE: CARCO

COMMON NAME: bristly sedge

BASIC INFORMATION*

Life form: E Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	F	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Ceratophyllum demersum SPECIES CODE: CERDE

COMMON NAME: hornwort

BASIC INFORMATION*

Life form: S Life cycle: P Status: A

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	Y	V	V

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S,F	F	X	-	-	-	-	X	F,S

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	X	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
C	C	C	-	C	C

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Ceratophyllum echinatum SPECIES CODE: CEREC

COMMON NAME: spiny hornwort

BASIC INFORMATION*

Life form: S Life cycle: - Status: R

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Chara sp. or spp. SPECIES CODE: CHASP

COMMON NAME: muskgrass

BASIC INFORMATION*

Life form: S Life cycle: - Status: A

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	N	V	V

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
F	G	-	-	-	-	-	X	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	X	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
?	N	N	N	N	C

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Cyperus sp. or spp. SPECIES CODE: CYPSP

COMMON NAME: --

BASIC INFORMATION*

Life form: E Life cycle: B Status: -

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S	F	-	S	-	-	X	X	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	X	X	-	X	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Decodon verticillatus SPECIES CODE: DECVE

COMMON NAME: swamp loosestrife

BASIC INFORMATION*

Life form: E Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S	P	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Dulichium arundinaceum SPECIES CODE: DULAR

COMMON NAME: pond sedge

BASIC INFORMATION*

Life form: E Life cycle: - Status: C

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	Y	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Eleocharis sp. or spp. SPECIES CODE: ELESP

COMMON NAME: --

BASIC INFORMATION*

Life form: E Life cycle: B Status: -

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
T	G	-	S	X	X	-	-	F,S,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	-	X	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Eleocharis acicularis SPECIES CODE: ELEAC

COMMON NAME: needle spike-rush

BASIC INFORMATION*

Life form: S-E Life cycle: - Status: C

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
H	Y	I	D

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	F	-	-	-	-	-	X	S

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	X	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	?	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Eleocharis palustris SPECIES CODE: ELEPAL

COMMON NAME: creeping spike-rush

BASIC INFORMATION*

Life form: E Life cycle: - Status: C

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	F	X	-	-	-	-	-	F

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	X	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	?	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Eleocharis robbinsii SPECIES CODE: ELEROB

COMMON NAME: --

BASIC INFORMATION*

Life form: E Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Elodea sp. or spp. SPECIES CODE: ELOSP

COMMON NAME: --

BASIC INFORMATION*

Life form: S Life cycle: P Status: -

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	F

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	X	-	X	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Elodea canadensis SPECIES CODE: ELOCA

COMMON NAME: common waterweed

BASIC INFORMATION*

Life form: S Life cycle: P Status: A

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	Y	V	V

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
F	F	-	-	-	-	-	X	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	X	-	X	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
?	C	N	-	C	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Equisetum sp. or spp. SPECIES CODE: EQUSP

COMMON NAME: --

BASIC INFORMATION*

Life form: E Life cycle: P Status: -

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
F	P	-	-	-	X	X	X	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Equisetum fluviatile SPECIES CODE: EQUFL

COMMON NAME: water horsetail

BASIC INFORMATION*

Life form: E Life cycle: P Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	N	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Eriocaulon septangulare SPECIES CODE: ERISE

COMMON NAME: pipewort

BASIC INFORMATION*

Life form: S Life cycle: - Status: C

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
H	N	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Heteranthera dubia SPECIES CODE: HETDU

COMMON NAME: water star grass

BASIC INFORMATION*

Life form: S Life cycle: P Status: C

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	Y	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
S	P	-	-	-	-	-	X	F,S

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	-	-	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
C	C	N	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Isoetes echinospora SPECIES CODE: ISOEC

COMMON NAME: spiny-spore quillwort

BASIC INFORMATION*

Life form: S Life cycle: - Status: R

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Isoetes macrospora SPECIES CODE: ISOMA

COMMON NAME: lake quillwort

BASIC INFORMATION*

Life form: S Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
H	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Juncus sp. or spp. SPECIES CODE: JUNSP

COMMON NAME: --

BASIC INFORMATION*

Life form: E Life cycle: P Status: -

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	X	X	S

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Juncus pelocarpus SPECIES CODE: JUNPE

COMMON NAME: brown-fruited rush

BASIC INFORMATION*

Life form: E Life cycle: - Status: C

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	C	C

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Lemna sp., or spp. SPECIES CODE: LEMSP

COMMON NAME: --

BASIC INFORMATION*

Life form: FF Life cycle: - Status: -

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	V	V

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	X	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
N	C	N	-	C	C

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Lemna minor SPECIES CODE: LEMMI

COMMON NAME: small duckweed

BASIC INFORMATION*

Life form: FF Life cycle: P Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	Y	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	G	-	-	-	-	-	X	F

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	X	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
N	C	N	-	C	C

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Lemna trisulca SPECIES CODE: LEMTR

COMMON NAME: forked duckweed

BASIC INFORMATION*

Life form: FF Life cycle: P Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	G	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	X	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Lobelia dortmanna SPECIES CODE: LOBDO

COMMON NAME: water lobelia

BASIC INFORMATION*

Life form: S Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
H		-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Megalodonta beckii SPECIES CODE: MEGBE

COMMON NAME: water marigold

BASIC INFORMATION*

Life form: S Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	N	-	I

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Myriophyllum sp. or spp. SPECIES CODE: MYRSPE

COMMON NAME: --

BASIC INFORMATION*

Life form: S Life cycle: P Status: -

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S,F	P	-	S	-	-	-	X	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	X	-	X	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
?	C	C	-	-	C

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Myriophyllum alterniflorum SPECIES CODE: MYRAL

COMMON NAME: alternate flowered water milfoi

BASIC INFORMATION*

Life form: S Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	N	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Myriophyllum exalbescens SPECIES CODE: MYREX

COMMON NAME: spiked water milfoil

BASIC INFORMATION*

Life form: S Life cycle: - Status: C

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	N,Y	V	V

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	F	-	-	-	-	-	X	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
?	-	-	-	C	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Myriophyllum farwellii SPECIES CODE: MYRFA

COMMON NAME: Farwells water milfoil

BASIC INFORMATION*

Life form: S Life cycle: - Status: R

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Myriophyllum heterophyllum SPECIES CODE: MYRHE

COMMON NAME: various leaved water milfoil

BASIC INFORMATION*

Life form: S Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	-	V	V

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
?	-	-	-	?	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Myriophyllum spicatum SPECIES CODE: MYRSPI

COMMON NAME: Eurasian water milfoil

BASIC INFORMATION*

Life form: S Life cycle: - Status: I,N

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	N	V	V

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S,F	P	-	-	-	-	-	X	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
?	C	C	N	C	?

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Myriophyllum tenellum SPECIES CODE: MYRTE

COMMON NAME: dwarf water milfoil

BASIC INFORMATION*

Life form: S Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
H	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	F

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Myriophyllum verticillatum SPECIES CODE: MYRVE

COMMON NAME: whorled water milfoil

BASIC INFORMATION*

Life form: S Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	N,Y	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Najas sp. or spp. SPECIES CODE: NAJSP

COMMON NAME: --

BASIC INFORMATION*

Life form: S Life cycle: A Status: -

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	S	-	-	-	X	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	X	-	-	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
C	C	-	-	?	C

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Najas flexilis SPECIES CODE: NAJFL

COMMON NAME: slender naiad

BASIC INFORMATION*

Life form: S Life cycle: - Status: A

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
H	N	V	I

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S,F	E	-	-	-	-	-	X	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
?	C	N	N	C	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Najas gracillima SPECIES CODE: NAJGR

COMMON NAME: --

BASIC INFORMATION*

Life form: S Life cycle: - Status: R

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	N	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Najas guadalupensis SPECIES CODE: NAJGU

COMMON NAME: southern naiad

BASIC INFORMATION*

Life form: S Life cycle: - Status: R

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	N	-	D

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
S,F	E	-	-	-	-	-	X	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
C	C	N	-	C	C

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Najas marina SPECIES CODE: NAJMA

COMMON NAME: spiny naiad

BASIC INFORMATION*

Life form: S Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
S,F	F	-	-	-	-	-	X	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Nelumbo lutea SPECIES CODE: NELLU

COMMON NAME: American lotus

BASIC INFORMATION*

Life form: FL Life cycle: P Status: R

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	V	V

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
-	-	-	-	-	-	X	X	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	X	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
?	?	C	?	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Nitella sp. or spp. SPECIES CODE: NITSP

COMMON NAME: nitella

BASIC INFORMATION*

Life form: S Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	O	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	C

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Nuphar sp. or spp. SPECIES CODE: NUPSP

COMMON NAME: --

BASIC INFORMATION*

Life form: FL Life cycle: P Status: -

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
-	-	-	-	-	-	-	-	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	-	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
N	N	C	C	C	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Nuphar advena SPECIES CODE: NUPAD

COMMON NAME: yellow pond lily

BASIC INFORMATION*

Life form: FL Life cycle: P Status: C

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	O	D	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
?	-	C	C	?	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Nuphar microphyllum SPECIES CODE: NUPMI

COMMON NAME: yellow pond lily

BASIC INFORMATION*

Life form: FL Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
S	F	-	S	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Nuphar variegatum SPECIES CODE: NUPVA

COMMON NAME: bull-head pond lily

BASIC INFORMATION*

Life form: FL Life cycle: P Status: A

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	N	V	D

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	F	-	-	-	-	-	-	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	-	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Nymphaea sp. or spp. SPECIES CODE: NYMSP

COMMON NAME: --

BASIC INFORMATION*

Life form: FL Life cycle: P Status: -

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
S	P	-	S,T,F	-	-	X	X	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	-	X	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
?	N	C	C	C	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Nymphaea odorata SPECIES CODE: NYMOD

COMMON NAME: fragrant water lily

BASIC INFORMATION*

Life form: FL Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	Y	V	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S	F	-	-	-	-	-	X	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
?	-	C	C	C	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Nymphaea tuberosa SPECIES CODE: NYMTU

COMMON NAME: white water lily

BASIC INFORMATION*

Life form: FL Life cycle: P Status: A

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	O	-	D

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S	F	-	-	-	-	-	-	C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	-	X	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Phragmites australis SPECIES CODE: PHRAU

COMMON NAME: common reed

BASIC INFORMATION*

Life form: E Life cycle: P Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	X	-	X	-	X	X	F

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	-	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	C	?	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Polygonum sp. or spp. SPECIES CODE: POLSP

COMMON NAME: --

BASIC INFORMATION*

Life form: FL-E Life cycle: P Status: -

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	E	-	-	-	-	X	X	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
?	N	C	C	?	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Polygonum amphibium SPECIES CODE: POLAM

COMMON NAME: water knotweed

BASIC INFORMATION*

Life form: FL Life cycle: P Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	Y	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S	E	-	-	-	-	X	X	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	-	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Polygonum coccineum SPECIES CODE: POLCO

COMMON NAME: water heartsease

BASIC INFORMATION*

Life form: FL Life cycle: P Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	I	V

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S	G	-	-	-	-	X	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	-	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Pontederia cordata SPECIES CODE: PONCO

COMMON NAME: pickerel-weed

BASIC INFORMATION*

Life form: E Life cycle: P Status: C

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	N	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
S	P	X	-	-	X	-	X	C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	-	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	?	?	N	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton sp. or spp. SPECIES CODE: POTSPE

COMMON NAME: --

BASIC INFORMATION*

Life form: S Life cycle: P Status: -

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
-	-	-	-	-	-	-	X	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
C	?	-	-	?	C

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton amplifolius SPECIES CODE: POTAM

COMMON NAME: large-leaf pondweed

BASIC INFORMATION*

Life form: S Life cycle: P Status: A

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	O,N	-	V

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S	F	-	-	-	-	-	-	F

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	X	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
C	?	N	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton berchtoldii SPECIES CODE: POTBE

COMMON NAME: --

BASIC INFORMATION*

Life form: S Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
H	Y	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton capillaceus SPECIES CODE: POTCA

COMMON NAME: --

BASIC INFORMATION*

Life form: S Life cycle: - Status: R

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S	F	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton crispus SPECIES CODE: POTCR

COMMON NAME: curly-leaf pondweed

BASIC INFORMATION*

Life form: S Life cycle: - Status: C,N

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	Y	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S,T	P	-	-	-	-	-	X	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
C	C	N	-	C	C

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton diversifolius SPECIES CODE: POTDI

COMMON NAME: water-thread pondweed

BASIC INFORMATION*

Life form: S Life cycle: - Status: R

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	-	-	I

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
S	F	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
C	?	N	-	C	C

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton epihydrus SPECIES CODE: POTEP

COMMON NAME: ribbon-leaf pondweed

BASIC INFORMATION*

Life form: S Life cycle: - Status: C

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	O	-	V

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
S,T,F	G	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton filiformis SPECIES CODE: POTFI

COMMON NAME: thread-leaf pondweed

BASIC INFORMATION*

Life form: S Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	N	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
C	-	-	-	C	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton foliosus SPECIES CODE: POTFO

COMMON NAME: leafy pondweed

BASIC INFORMATION*

Life form: S Life cycle: P Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	Y	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
S,T,F	G	-	-	-	-	-	-	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	-	-	-	X	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
C	C	N	-	C	C

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton friesii SPECIES CODE: POTFR

COMMON NAME: Fries pondweed

BASIC INFORMATION*

Life form: S Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	N	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S,F	G	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton gramineus SPECIES CODE: POTGR

COMMON NAME: variable-leaf pondweed

BASIC INFORMATION*

Life form: S Life cycle: P Status: C

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
H	O,N	-	V

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S,T	G	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	X	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton illinoensis SPECIES CODE: POTIL

COMMON NAME: Illinois pondweed

BASIC INFORMATION*

Life form: S Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	N	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S	F	-	-	-	-	-	X	C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	?	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton natans SPECIES CODE: POTNA

COMMON NAME: floating-leaf pondweed

BASIC INFORMATION*

Life form: S Life cycle: P Status: A

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	O	D	I

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S,T	G	-	-	-	-	X	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	-	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
C	C	?	-	C	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton nodosus SPECIES CODE: POTNO

COMMON NAME: long-leaf pondweed

BASIC INFORMATION*

Life form: S Life cycle: P Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	Y	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S	G	-	-	-	-	-	-	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	X	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
C	?	N	-	?	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton oakesianus SPECIES CODE: POTOA

COMMON NAME: --

BASIC INFORMATION*

Life form: S Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
H	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton obtusifolius SPECIES CODE: POTOB

COMMON NAME: --

BASIC INFORMATION*

Life form: S Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
-	-	-	-	-	-	-	-	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton pectinatus SPECIES CODE: POTPE

COMMON NAME: sago pondweed

BASIC INFORMATION*

Life form: S Life cycle: P Status: A

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	Y	-	V

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	E	-	-	-	-	-	X	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	X	X	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
C	C	N	-	C	C

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton praelongus SPECIES CODE: POTPR

COMMON NAME: white-stem pondweed

BASIC INFORMATION*

Life form: S Life cycle: - Status: C

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	N	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
S,T,F	F	-	-	-	-	-	-	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton pusillus SPECIES CODE: POTPUS

COMMON NAME: small pondweed

BASIC INFORMATION*

Life form: S Life cycle: P Status: C

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	Y	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S,T,F	G	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	-	-	-	X	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
C	C	N	-	-	C

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton richardsonii SPECIES CODE: POTRI

COMMON NAME: clasping-leaf pondweed

BASIC INFORMATION*

Life form: S Life cycle: P Status: C

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	O,N	-	V

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S,T,F	G	-	-	-	-	-	-	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	X	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
C	N	N	-	C	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton robbinsii SPECIES CODE: POTRO

COMMON NAME: fern pondweed

BASIC INFORMATION*

Life form: S Life cycle: - Status: C

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	O	-	D

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
-	-	-	-	-	-	-	X	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton spirillus SPECIES CODE: POTSPI

COMMON NAME: spiral-fruited pondweed

BASIC INFORMATION*

Life form: S Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
S	F	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	X	-	-	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton strictifolius SPECIES CODE: POTST

COMMON NAME: stiff pondweed

BASIC INFORMATION*

Life form: S Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
H	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
S	G	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
C	C	N	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton vaginatus SPECIES CODE: POTVAG

COMMON NAME: swift-water pondweed

BASIC INFORMATION*

Life form: S	Life cycle: -	Status: R,EN

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Potamogeton zosteriformis SPECIES CODE: POTZO

COMMON NAME: flat-stem pondweed

BASIC INFORMATION*

Life form: S Life cycle: P Status: A

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	N	-	V

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S	F	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	-	-	-	X	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
C	N	N	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Ranunculus sp. or spp. SPECIES CODE: RANSP

COMMON NAME: --

BASIC INFORMATION*

Life form: S Life cycle: P Status: -

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S,F	P	-	-	-	-	-	-	F

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	X	-	-	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
?	C	?	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Ranunculus aquatilis SPECIES CODE: RANAQ

COMMON NAME: white water crowfoot

BASIC INFORMATION*

Life form: S Life cycle: - Status: R

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
?	C	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Ranunculus longirostris SPECIES CODE: RANLO

COMMON NAME: stiff water crowfoot

BASIC INFORMATION*

Life form: S Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	O	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Ranunculus reptans SPECIES CODE: RANRE

COMMON NAME: spearwort

BASIC INFORMATION*

Life form: S Life cycle: - Status: R

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
H	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Ranunculus trichophyllus SPECIES CODE: RANTR

COMMON NAME: white water crowfoot

BASIC INFORMATION*

Life form: S Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Riccia fluitans SPECIES CODE: RICFL

COMMON NAME: --

BASIC INFORMATION*

Life form: FF Life cycle: - Status: R

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	Y	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Ruppia maritima SPECIES CODE: RUPMA

COMMON NAME: ditch grass

BASIC INFORMATION*

Life form: S Life cycle: P Status: R,N

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S,T,F	E	-	S	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	X	-	X	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
N	C	N	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Sagittaria sp. or spp. SPECIES CODE: SAGSP

COMMON NAME: --

BASIC INFORMATION*

Life form: E Life cycle: - Status: -

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	X	S	X	X	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
N	N	C	-	?	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Sagittaria cuneata SPECIES CODE: SAGCU

COMMON NAME: arum-leaved arrowhead

BASIC INFORMATION*

Life form: S-E Life cycle: P Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S,T	F	-	-	-	-	X	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Sagittaria graminea SPECIES CODE: SAGGR

COMMON NAME: grassy arrowhead

BASIC INFORMATION*

Life form: S-E Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Sagittaria latifolia SPECIES CODE: SAGLA

COMMON NAME: common arrowhead

BASIC INFORMATION*

Life form: E Life cycle: P Status: A

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	O,Y	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	F	-	-	-	-	X	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	-	-	X	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	?	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Sagittaria rigida SPECIES CODE: SAGRI

COMMON NAME: stiff arrowhead

BASIC INFORMATION*

Life form: E Life cycle: P Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	Y,N	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	X	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Scirpus sp. or spp. SPECIES CODE: SCISP

COMMON NAME: --

BASIC INFORMATION*

Life form: E Life cycle: P Status: -

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
-	-	X	S,T	X	X	X	X	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	-	X	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
N	?	C	-	C	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Scirpus acutus SPECIES CODE: SCIAC

COMMON NAME: hard-stem bulrush

BASIC INFORMATION*

Life form: E Life cycle: P Status: C

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S	E	-	-	-	-	X	-	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	-	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	?	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Scirpus americanus SPECIES CODE: SCIAM

COMMON NAME: chairmakers's rush

BASIC INFORMATION*

Life form: E Life cycle: P Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	N	-	I

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S	G	-	-	-	-	X	-	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	-	X	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	?	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Scirpus fluviatilis SPECIES CODE: SCIFL

COMMON NAME: river bulrush

BASIC INFORMATION*

Life form: E Life cycle: P Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S	P	-	-	-	-	X	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	-	X	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Scirpus subterminalis SPECIES CODE: SCISU

COMMON NAME: --

BASIC INFORMATION*

Life form: E Life cycle: P Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Scirpus validus SPECIES CODE: SCIVA

COMMON NAME: great bulrush

BASIC INFORMATION*

Life form: E Life cycle: P Status: C

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	N	I	I

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	X	-	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	-	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	?	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Sparganium sp. or spp. SPECIES CODE: SPASP

COMMON NAME: --

BASIC INFORMATION*

Life form: FL-E Life cycle: P Status: -

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	-	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
C	N	N	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Sparganium chlorocarpum SPECIES CODE: SPACH

COMMON NAME: --

BASIC INFORMATION*

Life form: FL-E Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	-	V	V

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	F	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Sparganium eurycarpum SPECIES CODE: SPAEU

COMMON NAME: common bur-reed

BASIC INFORMATION*

Life form: FL-E Life cycle: P Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	O,Y	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S	F	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	-	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Spirodela polyrhiza SPECIES CODE: SPIPO

COMMON NAME: great duckweed

BASIC INFORMATION*

Life form: FF Life cycle: P Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	Y	-	D

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	G	-	-	-	-	-	X	F

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	X	-	-	-	X	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	C	?	-	?	C

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Typha sp. or spp. SPECIES CODE: TYPSP

COMMON NAME: --

BASIC INFORMATION*

Life form: E Life cycle: P Status: -

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
T,F	P	X	S	X	X	X	X	F

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	-	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
N	C	?	C	?	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Typha angustifolia SPECIES CODE: TYPAN

COMMON NAME: narrow-leaf cat-tail

BASIC INFORMATION*

Life form: E Life cycle: P Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	Y	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	X	-	S,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	-	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Typha latifolia SPECIES CODE: TYPLA

COMMON NAME: broad-leaf cat-tail

BASIC INFORMATION*

Life form: E Life cycle: P Status: C

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
O	N,Y	V	V

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	X	-	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Utricularia sp. or spp. SPECIES CODE: UTRSP

COMMON NAME: --

BASIC INFORMATION*

Life form: S Life cycle: P Status: -

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
N	C	N	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Utricularia geminiscapa SPECIES CODE: UTRGE

COMMON NAME: --

BASIC INFORMATION*

Life form: S Life cycle: - Status: R

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Utricularia gibba SPECIES CODE: UTRGI

COMMON NAME: humped bladderwort

BASIC INFORMATION*

Life form: S Life cycle: - Status: R

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	C	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Utricularia intermedia SPECIES CODE: UTRIN

COMMON NAME: flat-leaf bladderwort

BASIC INFORMATION*

Life form: S Life cycle: - Status: R

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Utricularia purpurea SPECIES CODE: UTRPU

COMMON NAME: purple bladderwort

BASIC INFORMATION*

Life form: S Life cycle: - Status: R

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	D	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Utricularia vulgaris SPECIES CODE: UTRVU

COMMON NAME: great bladderwort

BASIC INFORMATION*

Life form: S Life cycle: - Status: C

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	Y	-	D

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Vallisneria americana SPECIES CODE: VALAM

COMMON NAME: eel grass

BASIC INFORMATION*

Life form: S Life cycle: P Status: A

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
H	Y	-	I

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	E	-	-	-	-	-	X	F,C

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
X	-	-	-	X	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
?	?	-	-	N	?

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Wolffia sp. or spp. SPECIES CODE: WOLSP

COMMON NAME: --

BASIC INFORMATION*

Life form: FF Life cycle: - Status: -

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
-	-	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	X	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
N	C	N	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Wolffia columbiana SPECIES CODE: WOLCO

COMMON NAME: common water-meal

BASIC INFORMATION*

Life form: FF Life cycle: - Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
-	-	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
-	F	-	-	-	-	-	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	-

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	?	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Zannichellia palustris SPECIES CODE: ZANPA

COMMON NAME: horned pondweed

BASIC INFORMATION*

Life form: S Life cycle: A Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
H	Y	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Waterfowl food	Food value	Waterfowl cover	Other bird food	Other bird cover	Muskrat food	Substrate stabilization	Potential nuisance	Fish value
S,F	G	-	S	-	-	X	-	F

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
C	?	N	-	?	?

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported

SPECIES: Zizania aquatica SPECIES CODE: ZIZAQ

COMMON NAME: wild-rice

BASIC INFORMATION*

Life form: E Life cycle: A Status: I

Life form: E-emergent, S-submergent, FL-floating leaved, FF-free floating
Life cycle: A-annual, P-perennial, B-both
Status: A-abundant, C-common, I-infrequent, R-rare, EN-endangered, N-non native

HABITAT PREFERENCE*

Substrate	Turbidity	Summer drawdown	Winter drawdown
S	O	-	-

Substrate preference: S-soft, H-hard, O-no preference
Turbidity: Y-positive association with turbid water, negative association, O-no significant association
Drawdown: I-increases with drawdown, D-decreases, V-variable response

WILDLIFE AND ENVIRONMENTAL VALUES*

Water-fowl food	Food value	Water-fowl cover	Other bird food	Other bird cover	Musk-rat food	Substrate stabili-zation	Poten-tial nuisance	Fish value
S	E	X	S	X	-	X	-	-

Part consumed: A-seeds, B-tubers, C-foliage and stems
Food value: E-excellent, G-good, F-fair, P-poor
Fish value: F-food or supports fish food fauna, C-cover, S-spawning habitat

PROPAGATION METHODS*

Transplants	Whole plants	Roots	Cuttings	Tubers	Winter buds	Seeds
-	-	-	-	-	-	X

HERBICIDE SUSCEPTIBILITY*

Endothall	Diquat	2-4,D	Glyphosate	Fluridone	Simazine
-	-	-	-	-	-

C-controlled, ?-questionable control results dependent on chemical formulation or environmental conditions, N-not controlled

* X-plant useful or usable method, - information unknown or unreported