

Aug 21 2017

AD 52 Duck Beach

Eggs

Arrows

WFOG 1 good

Calla lily

Carex lasiocarp.

Pole. Pollet.

AD 53

WFOG 2

more horse tail

AD 54

WFOG 2 not incl eclog

note chuck

HAL 13

MK1091

why by of wetlands w/ AIG + DSE

AIG 57

58

59

Kirk Miller + Emily

47M-

Aug 22 2017

2 mix Sb Sx spruce,

Aln pic/vib in B1B2 layer

closer to river H₂O is 20-30cm deep,

lots of Salix. H₂O also deep,

free cover drops dramatically, mostly

Salix in B

lots of tufts of Carex aquat.

Notes on River

TUE Aug 22, 2017

Helm's Overlook MacKenzie to Tsekay Dene

EAST SIDE OF WILISTAN LAKE

AD 67 sedge fen WF

AD 68

~~Open water with emergent veg.~~

~~many already trees & shrubs.~~

AD 69 majority of these looked have little to

no wetland fringe except the eastern edge of the eastern lake.

Pothole lakes in FG h. - H

dry shorelines w drawdown of H₂O in late season.

AD 70

wetland complex

beaver influence.

20% open water in vegetation, some in lower

Wm for majority.

WS in dried patches.

AD 71

high energy meandering ocreale

very gravelly bed + low terraces

not much flood plain unit overl.

AD 72

fen @ far end of lake.

WF sedge @ center

shabby fringe.

AD 73

beaver dams

high salt

possibly salt ecosystem??

BAPID 6492 FWPC WETLANDS

2/12

HELI OVERVIEW TUE AUG 22, 2017

AD73

moose having a bath. west of our trail.

Come back to this site next year?

old beaver dams along stream of lake

looks salty possibly marl

took lots of pictures on both Deepa's place and the island.

This wetland complex would be good for further investigation.

Good candidate for rare or unique ecosystems

in this complex. Any salt marsh? veg? could not tell from air

v. clear + blue water

SALT LIC. abundant sign of animal use.

moose seen down stream.

High habitat value.

AD74 emergent veg @ top end. lily pads

shallow even in middle of lake. (pond weed?)

looks mostly flat

AD75

WS. ~~very~~

AD76

lake filling in.

emergent veg. water + beak sedge.

AD77

wf.

shrublike fringe.

BAPID 6492 FURC WETLANDS

3/12

HELI OVERVIEW FLIGHT TUE AUG 22, 2017

A078 W6 some beaver flooding

possibly wf near water

AD79 salt flats

lots of animal tracks

wf away from cr.

near cr. more marsh like

SALT LICIS.

any salt grass.

AD 80 WS shrubby swamp

wf down middle
strict SF B1

AD 81 between wetland.

shrubby

willow swamp. WS

emergents in ponds to either side of point.
emergent canex

AD 82 WP

* AGS DSF: phase
dir. dam is said

cladus cledonia
lots of hummocks

poor nutrient bog v. stunted trees

AD 83 large lake to E end

* PDS DSF: phase
emergent
to bein lake

off door
to steel
then

took pic of paper

11/11/17

BAPD 6492 FWPC WETLANDS

4/12

HEU OVERVIEW TUE AUG 22, 2017

AD 84 leucis Saxif DRU along edge of prairie.
SS B1

ALASSARY GR. (??)

* AD 85 lots of mixed rocks & w. end.
2. Pies of lunar wetland
DSE iPhone

WF some shrub BETUMAN

AD 86. shrubby WF

AD 87 lake in pond w/ly
small emergent fringe with 2 WS or WF
difficult to tell.

AD 88 CARE-LIMNOSA

small in blue sedg in center
WF 08

AD 89 black spruce bog WB

AD 90 shrubby lake shore fringe. 2m tall

AD 91 WB black

AD 92 Wm
series of beaver ponds

TUE AUG 22, 2017

F-R/R L WTL-AUGS - HELI OVERVIEW

TSAY KAH DENE

shunted black spruce

open bog
in tree height.

AD93 WB

PLC to stand
BST: pheno.

AD94 WS

some open waters

abundant willows

position may be off.

map was obscured by
renew polygon.

South end of field
near the channel

AD95 WF

low shrub ~ 1m tall.

PASS TSKY KET PAGE

UP FLOWING R.

AD96

ox bow - flooded willows

low bench.

all adj forest terraces are dry.

AD97 WF

some open waters

some bog patches

AD98

tall dead wood w/ spruce floodout
horse tail

AD99 WB

tea coloured flc in pools of bog
with transition to WF and Wm in

open areas.

Plenty of WS

open water +

aggradation even in flood areas.

History

6/12

BAPAD 6492 FWPC WETLANDS.

HEU OVERVIEW FLIGHT.

TUE AUG 22, 2017

AD100

even. Fringe
emergent veg.

Shallow water with sedges in shallows
+ pond lily in deeper water.

darker patches scirpus?

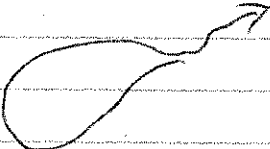
AD101

buck bean abundant.
even flow.
no betu nana.

WFF. open water.
margin of even.
WFF. Wm.

could be wet. fa. WFO. ~~back loc.~~

AD102

Floating fringe including ~~hardwater~~ basin.

over flow basin

Deepa tubos plicatus
RCS

57° 18' N
125° 29' W.

AD 103

gravelly low bench
river terrace
dry.
vegetated gravel bar.
porous.

7/12

TUE AUG 22, 2017

HELL OVERVIEW

AD104-107 on ground

Saw a black bear across the river from
AD108 - Back channel
at hard margin Wm with open water down
the creek
sedge marsh
clear slow moving water
beaver den > beaver 108-107
moose tracks

AD109 - moose tracks

muddy bottomed shallow water
clear
carex island

Salty?
spring fed from Fe?

AD110 WS
willow swamp
scattered white spruce
willow sp.
open water at in willow thicket
tree cover 2-3%

AD111 open water + emergent veg. mat.
beaver den
Equisetum
animal tracks

Deep: check out feature in bedrock or Fe
to the E of AD111

History

8/12

BARO 6429 FWRC WETLANDS

HEI OVERVIEW

TSEHAI DRAIN TO FORT WARR

AD112

WF sparse trees

white spruce (?)

88. <10% tree cover

low shrub 55%

10% shrub

Flow from side slope + NW along the feature.
little bit of open water. (patches 50%).

AD113 grassland sedge dominated fen
WF

Bear tracks?

AD114 hegopter of NW END

80 Mar 1?

lots of animal tracks

looks like bear

MINERAL LICK

AD115 sedge dominated. WF.

Carex limosa

scrub birch

bucket bean.

AD116 transitions to fen.

spha.

black spruce - sphagnum - scrub birch.

* PIC DSE phone.

9/12

TUE AUG 22, 2017

BARID 6492 FWPC WETLANDS

HELL OVERVIEW

START FORT WIRE

AD 117

Pond weed shallow open water.

mud bottom pond.

animal tracks.

muddy shore

some drawdown

Nice lichen loading in forest adjacent.

tributary?

AD 118 Wm. open water in center.

Carex aqu or cap.

emergent. Potentilla polius?

confined basin.

wet land to N is NOT connected

as shown on map.

AD 119

low shrub Carex

Wf

dispersed open water.

Fern tending to bog in shrubier areas

some minor patches of sphagnum even in tree free shrub free areas

AD 120

Open water tending to marsh.

emergent sedges. Carex flga.

minor willow.

buck beam in shallow water pools

mud bottom looks mineral rich.

Pond weed.

2 beaver dams in the complex.

Hiboy

BAPID 6491. FWPC wetland.

10/12

AUG 22, 2017

AD 121 shrubby willow swamp WS or Wm

more mossy than swamp.

AD 122-125 on the ground

122. Melted Soil sample taken

AD 123 - 04
10

could be silicofere.

gravelly

* DSF: Phos pics.

outflow of stream disappears under the peat bridge

Depon. Chalk bedrock geology in this basin.

AD 126 black spruce bog WB
edge of the swamp.

AD 127 open water. Shallow

wt. mud substrate. Same as 122

darker patches are the small rush from
site 122.

Very similar to 122.
Syringic mounds.

AD 128 gully has several steeped beaver ponds
flooded standing dead wood.

~~here~~ Carex aqu. at shallow
West end

11/10/17

RAPID 6492 FWPC WETLANDS. Aug 22, 2017

11/12

AD 128

black spruce bog
wb.

AD 129

shallow water. Swamp
equisetum. dominates.

AD 130

10% willow
beaver lodge adjacent to site.

AD 130. occasional
WS shrubby swamp

1% trees

tall willows.

can see surface water so it is quite wet.
larger sedge (beaked?).
wide variety of willows.

AD 131

possibly spruce horsetail
WS07

willow, Alder, Equisetum.

like a mud bank.

AD 132

Productive trees in a strip of riparian along cr.
Drunk forest
mineral soils.

stunted black spruce

< 10% cover.

Equisetum willow.

beaked sedge

WS.

beaver dam in middle of pond adjacent.
some open water.

AD 133

mossy mounds. is chalky withered.
Wm

BAPIO 6472 FWPC wetlands.
Near Del Cr.

mounds, are
fringe

TRI MAR.

CAREX lim

brown mosses

TOLS BLU

rich diverse herbaceous.

AD134. Same as last plot.

AD135 # w.f.

rich white mud like AD122 adjacent
open water.

graminoid with ~~20%~~ 20% scrub birch.

AD136 shallow lake

emergent pond weeds

floating mat edge. in filling $\frac{3}{5}$

AD137 FI 06

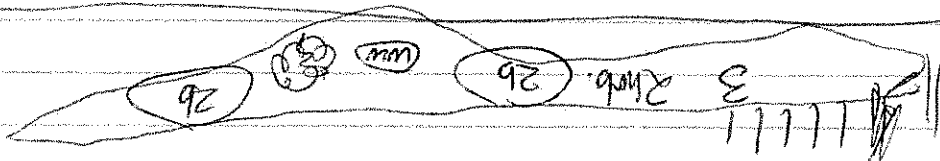
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Aug 22, 2017

12/12

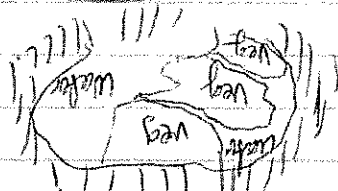
Aug 23 2017

AD 168 ^{plot} PLE ^{first} ^{marsh} ^{ground} ^{headwater} ^{potholes} ^{surrounded} ^{by} ^{low} ^{shrub} + ^{willow} ^{Hitchhikers} ^{herb} ^{meadow} ^{Ridgetop} ^{drought} ^{product} ^{wetland}



AD 169 Midreach flood plain SS = 11 (paleosol)

AD 170 [?] ^{Open} ^{water} ^{30%} ^{emergent} ^{vegetation} ^{some} ^{channels} ^{through} ^{center} ^{forest} ^{somewhat} ^{veg} ^{connecting} ^{the} ^{open} ^{water} ^{seems}



AD 171 Black spruce bog, looked like SPH 44 ^{than} ^{trees} ⁱⁿ ^{patches} ^{Denise} ^{the} ^{center} ⁱⁿ ^{center} ^{of} ^{patch} ^{becoming} ^{sparser} ^{towards} ^{the} ^{edges} ^{translating} ^{to} ^{grassland} ^{dominated} ^{+ open} ^{water} ^{patches}

AD 172 FEN, grassland + scrub birch

AD 175 [?] ^{Calcium} ^{influenced} ^{wetland} ^{grassland} ^{dominated} ^{calcareous} ^{wetland} ^{which} ^{is} ^{visible} ^{on} ^{surface} ^{mont} ^{de} ^{posite} ^{some} ^{open} ^{water} ^{Similar} ^{to} ^{calcareous} ^{plots} ^{sampled} ^{on} ^{Aug} ²² ²⁰¹⁷

AD 176 [?] ^{open} ^{water} ^{on} ^{back} ^{channel} ^{F106} ^{structure} ^{stage} ⁴ ^{+ 3b}