Appendix A:
Figures

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155°30'0"W
155°0'0"W
154°30'0"W
154°0'0"W
60°0'0"N
59°45'0"N
59°30'0"N
59°15'0"N

Lake Clark National Park and Preserve
Roadhouse Mountain
North Fork Koktuli River
Frying Pan Lake
South Fork Koktuli River
Upper Talarik Creek
Newhalen River
Iliamna
Eagle Bay
Newhalen
Pedro Bay
Pile Bay
Williamsport
Diamond Point
Ursus Cove
LAKE AND PENINSULA BOROUGH
KENAI PENINSULA BOROUGH
Iliamna Lake
Kokhanok
Big Island
Gibraltar Lake
Cook Inlet
Amakdedori Creek
Katmai National Park and Preserve

WETLAND MAPPING REPORT
PROJECT ALTERNATIVES 2 AND 3
FIGURE 1. VICINITY MAP

- Study Area
- PJD Study Area
- Town
- National Park
- Borough Boundary



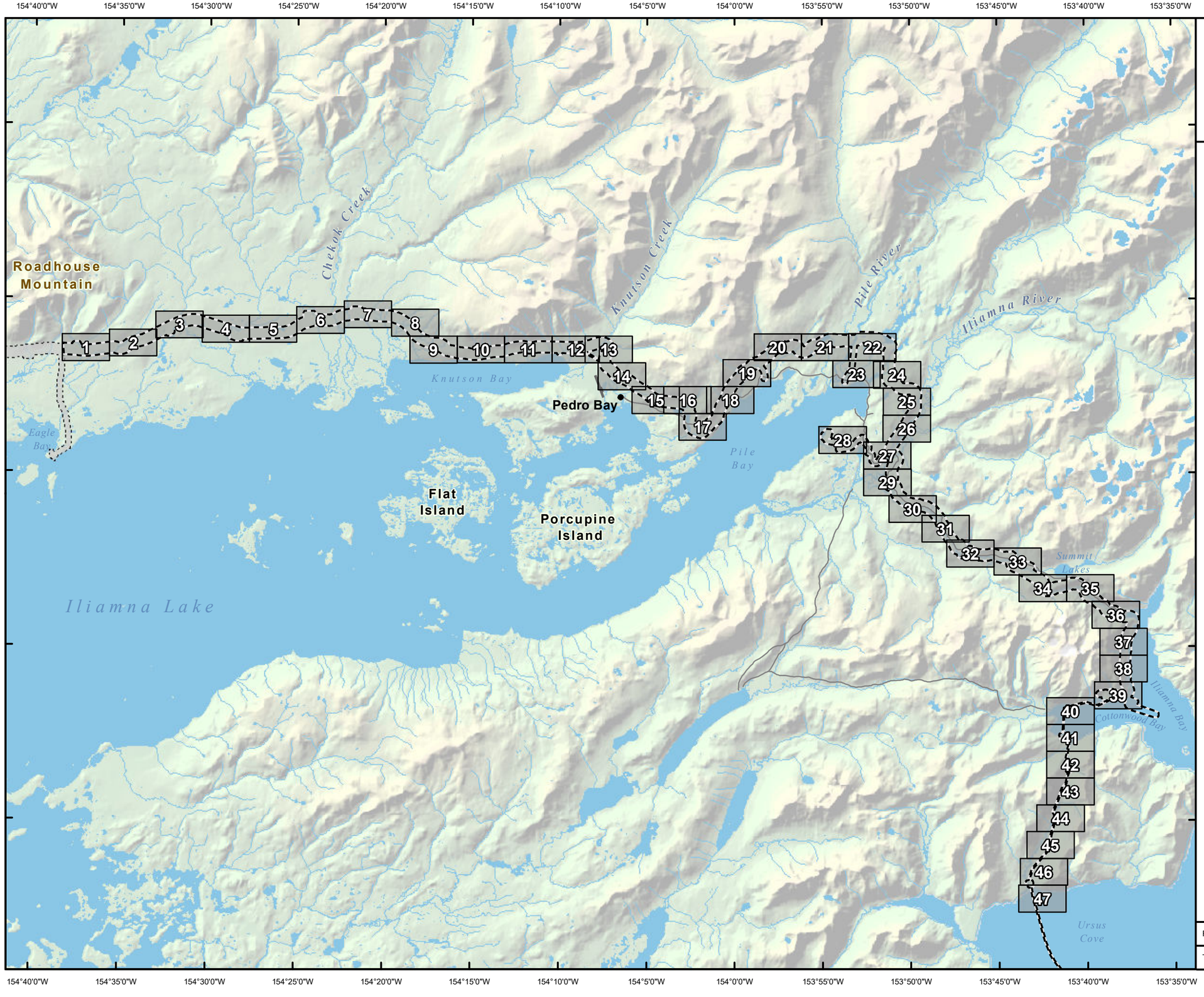
Miles
0 3 6 9 12
Kilometers
0 4 8 12 16

N

Scale 1:360,000

Alaska State Plane Zone 5 (units feet)
1983 North American Datum
Source: USGS Topo Basemap

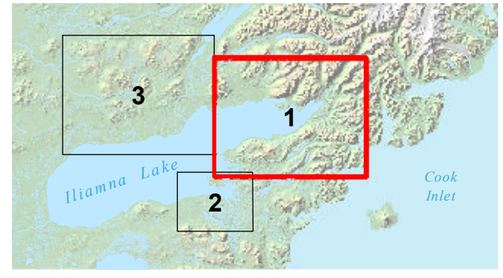
File: PLP_Wetlands2019_Vicinity.mxd	Date: 11/20/2019
Figure 1	Author: HDR



THE pebble PARTNERSHIP

WETLAND MAPPING REPORT
PROJECT ALTERNATIVES 2 AND 3
FIGURE 2. OVERVIEW MAP
TILE 1 OF 3

- Study Area
- Map Extent (#)
- PJD Study Area
- Airport
- Town
- Road



0 18,000 36,000 Feet

0 4,600 9,200 Meters

N

Scale 1:200,000

Alaska State Plane Zone 5 (units feet)
1983 North American Datum
Basemap Source: USGS DEM

File: PLP_Wetlands2019_Overview.mxd	Date: 11/20/2019
Tile 1 of 3	Author: HDR

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59°30'0"N

59°25'0"N

59°20'0"N

Iliamna Lake

Kokhanok

48 49 50 51 52 53 54 55 56 57 58

Gibraltar River

Gibraltar Lake

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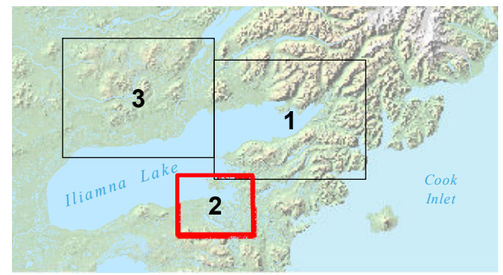
WETLAND MAPPING REPORT
PROJECT ALTERNATIVES 2 AND 3
FIGURE 2. OVERVIEW MAP
TILE 2 OF 3

- Study Area
- Map Extent
- PJD Study Area
- Town



0 9,000 18,000 Feet

0 2,300 4,600 Meters

N

Scale 1:100,000
Alaska State Plane Zone 5 (units feet)
1983 North American Datum
Basemap Source: USGS DEM

File: PLP_Wetlands2019_Overview.mxd	Date: 11/20/2019
Tile 2 of 3	Author: HDR

155°50'0"W 155°45'0"W 155°40'0"W 155°35'0"W 155°30'0"W 155°25'0"W 155°20'0"W 155°15'0"W 155°10'0"W 155°5'0"W 155°0'0"W 154°55'0"W 154°50'0"W 154°45'0"W

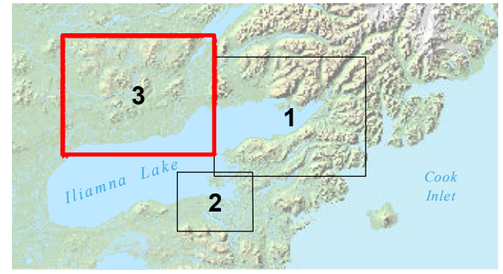
60°0'0"N
59°55'0"N
59°50'0"N
59°45'0"N
59°40'0"N
59°35'0"N

Groundhog Mountain
North Fork Koktuli River
South Fork Koktuli River
Upper Talarik Creek
Frying Pan Lake
Newhalen River
Iliamna
Newhalen
Iliamna Lake
61
60
59

THE pebble PARTNERSHIP

WETLAND MAPPING REPORT
PROJECT ALTERNATIVES 2 AND 3
FIGURE 2. OVERVIEW MAP
TILE 3 OF 3

- Study Area
- Map Extent
- PJD Study Area
- Airport
- Town
- Road



Feet
0 18,000 36,000

Meters
0 4,600 9,200

N

Scale 1:200,000
Alaska State Plane Zone 5 (units feet)
1983 North American Datum
Basemap Source: USGS DEM

File: PLP_Wetlands2019_Overview.mxd	Date: 11/20/2019
Tile 3 of 3	Author: HDR

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59°48'30"N

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HDR7044_19
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HDR7043_19
HDR1192
HDR1191
HDR1765
HDR1193
HDR1194
HDR1195
HDR1190
HDR1189
HDR1196

THE pebble PARTNERSHIP

Wetland Mapping Report
Project Alternatives 2 and 3

PJD Study Area
Study Area

Mapped Wetlands and Waterbodies

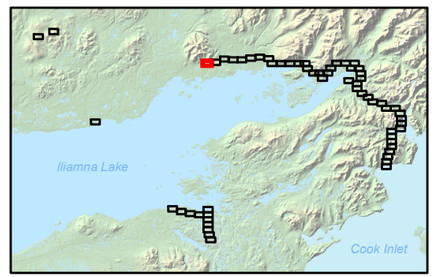
Mapped Palustrine Emergent Wetlands
Mapped Palustrine Scrub-Shrub Wetlands
Mapped Palustrine Forested Wetlands
Mapped Fresh Waterbodies
Mapped Fresh Waterbodies Mosaic
Mapped Aquatic Bed Waterbodies
Mapped Marine Waterbodies
Mapped Estuarine Emergent Wetlands
Mapped Estuarine Waterbodies

Mapped Streams

R3UBH and R3USC
R4SBC

Field Points

WD Upland
WD Wetland
RU
RW or FA
Field Plot Locations Outside Study Area



0 500 1,000 Feet
0 200 400 Meters

N

Scale 1:7,930
Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: PLP_Wetlands2019_Mapbook.mxd	Date: 11/18/2019
Page 1 of 61	Author: HDR

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59°49'0"N

59°48'30"N

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HDR8377
HDR8378
HDR8383
HDR8384
HDR8380
HDR8382
HDR8381
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HDR1221
HDR3317
HDR8037_19
HDR8443
HDR8446
HDR8442
HDR8440
HDR8447
HDR8448
HDR8444
HDR3316
HDR8449
HDR8445
HDR8441
HDR8439
HDR8438
HDR1219
HDR1220
HDR8437
HDR8436
HDR8435
HDR8450
Eagle Bay Creek
HDR1764
HDR1762
HDR1763

THE pebble PARTNERSHIP

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

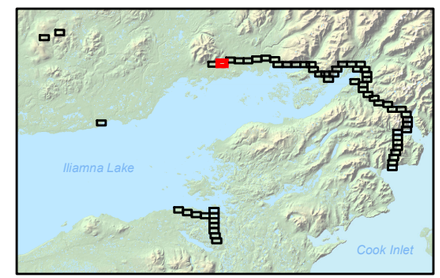
- Mapped Palustrine Emergent Wetlands
- Mapped Palustrine Scrub-Shrub Wetlands
- Mapped Palustrine Forested Wetlands
- Mapped Fresh Waterbodies
- Mapped Fresh Waterbodies Mosaic
- Mapped Aquatic Bed Waterbodies
- Mapped Marine Waterbodies
- Mapped Estuarine Emergent Wetlands
- Mapped Estuarine Waterbodies

Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Points

- WD Upland
- WD Wetland
- RU
- RW or FA
- WB or SC
- Field Plot Locations Outside Study Area



Feet
0 500 1,000
Meters
0 200 400

N

Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: PLP_Wetlands2019_Mapbook.mxd	Date: 11/18/2019
Page 2 of 61	Author: HDR

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59°49'30"N

59°49'0"N

HDR8368
HDR8367
HDR8369
HDR8370
HDR8371
HDR8366
HDR8364
HDR8363
HDR8362
HDR8365
HDR8361
HDR 5356
HDR8372
HDR8374
HDR8373
HDR8375
HDR8376

THE pebble PARTNERSHIP

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

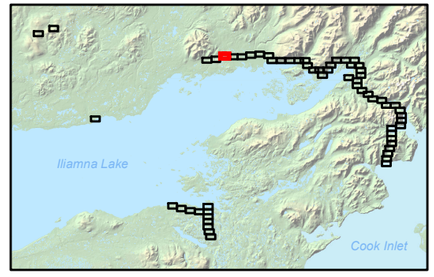
- Mapped Palustrine Emergent Wetlands
- Mapped Palustrine Scrub-Shrub Wetlands
- Mapped Palustrine Forested Wetlands
- Mapped Fresh Waterbodies
- Mapped Fresh Waterbodies Mosaic
- Mapped Aquatic Bed Waterbodies
- Mapped Marine Waterbodies
- Mapped Estuarine Emergent Wetlands
- Mapped Estuarine Waterbodies

Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Points

- WD Upland
- WD Wetland
- RU
- RW or FA
- WB or SC
- Field Plot Locations Outside Study Area



0 500 1,000 Feet

0 200 400 Meters

N

Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: PLP_Wetlands2019_Mapbook.mxd	Date: 11/18/2019
Page 3 of 61	Author: HDR

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59°49'30"N

59°49'0"N

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HDR 5356
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HDR7605_19
HDR8389
HDR8385
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HDR8386
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HDR5444
HDR8354
HDR8353
HDR7606_19
HDR8388
HDR8352
HDR5445

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

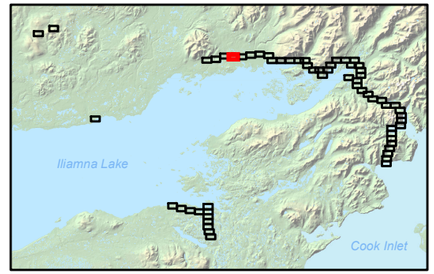
- Mapped Palustrine Emergent Wetlands
- Mapped Palustrine Scrub-Shrub Wetlands
- Mapped Palustrine Forested Wetlands
- Mapped Fresh Waterbodies
- Mapped Fresh Waterbodies Mosaic
- Mapped Aquatic Bed Waterbodies
- Mapped Marine Waterbodies
- Mapped Estuarine Emergent Wetlands
- Mapped Estuarine Waterbodies

Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Points

- WD Upland
- WD Wetland
- RU
- RW or FA
- WB or SC
- Field Plot Locations Outside Study Area



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Meters
0 200 400

N

Scale 1:7,930
Alaska State Plane Zone 5 (units feet)
1983 North American Datum

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Page 4 of 61	Author: HDR

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59°49'30"N

59°49'0"N

HDR8347

HDR8348

HDR8349

HDR8350

HDR8351

154°27'30"W 154°27'0"W 154°26'30"W 154°26'0"W 154°25'30"W 154°25'0"W

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Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

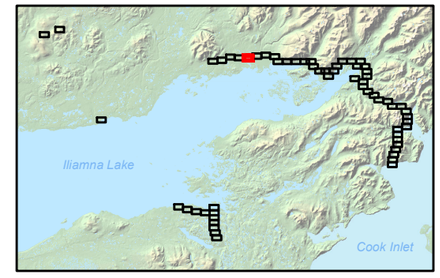
- Mapped Palustrine Emergent Wetlands
- Mapped Palustrine Scrub-Shrub Wetlands
- Mapped Palustrine Forested Wetlands
- Mapped Fresh Waterbodies
- Mapped Fresh Waterbodies Mosaic
- Mapped Aquatic Bed Waterbodies
- Mapped Marine Waterbodies
- Mapped Estuarine Emergent Wetlands
- Mapped Estuarine Waterbodies

Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Points

- WD Upland
- RU
- RW or FA
- WB or SC
- Field Plot Locations Outside Study Area



0 500 1,000 Feet

0 200 400 Meters

Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

N

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Page 5 of 61	Author: HDR

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59°49'0"N

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HDR8457
HDR8460
HDR8461
HDR8462
HDR8455
HDR8454
HDR5361
HDR8456
HDR5364
HDR5365
HDR5363
HDR5362
HDR8453
HDR8451
HDR8452
Chekok Creek

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Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

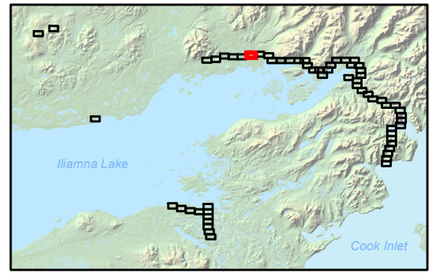
- Mapped Palustrine Emergent Wetlands
- Mapped Palustrine Scrub-Shrub Wetlands
- Mapped Palustrine Forested Wetlands
- Mapped Fresh Waterbodies
- Mapped Fresh Waterbodies Mosaic
- Mapped Aquatic Bed Waterbodies
- Mapped Marine Waterbodies
- Mapped Estuarine Emergent Wetlands
- Mapped Estuarine Waterbodies

Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Points

- WD Upland
- WD Wetland
- RU
- RW or FA
- WB or SC
- Field Plot Locations Outside Study Area



Feet
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Meters
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N

Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

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Page 6 of 61	Author: HDR

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59°49'30"N

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HDR5359
HDR4336
HDR4334
HDR4335
HDR8613_19
HDR8623_19
Canyon Creek

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

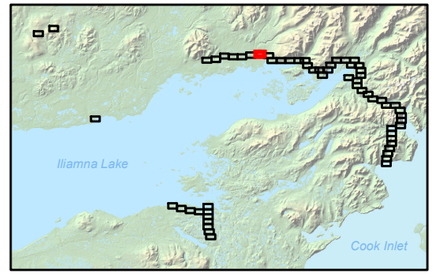
- Mapped Palustrine Emergent Wetlands
- Mapped Palustrine Scrub-Shrub Wetlands
- Mapped Palustrine Forested Wetlands
- Mapped Fresh Waterbodies
- Mapped Fresh Waterbodies Mosaic
- Mapped Aquatic Bed Waterbodies
- Mapped Marine Waterbodies
- Mapped Estuarine Emergent Wetlands
- Mapped Estuarine Waterbodies

Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Points

- WD Upland
- WD Wetland
- RU
- WB or SC
- Field Plot Locations Outside Study Area



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Meters
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Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

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Page 7 of 61	Author: HDR

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59°49'0"N

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HDR4313
HDR4311
HDR4312
HDR4309
HDR4310
HDR4307
HDR4306
HDR4305
HDR0065

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

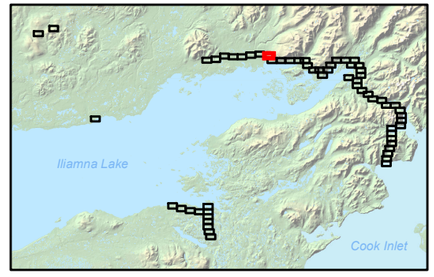
- Mapped Palustrine Emergent Wetlands
- Mapped Palustrine Scrub-Shrub Wetlands
- Mapped Palustrine Forested Wetlands
- Mapped Fresh Waterbodies
- Mapped Fresh Waterbodies Mosaic
- Mapped Aquatic Bed Waterbodies
- Mapped Marine Waterbodies
- Mapped Estuarine Emergent Wetlands
- Mapped Estuarine Waterbodies

Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Points

- WD Upland
- WD Wetland
- RU
- RW or FA
- WB or SC
- Field Plot Locations Outside Study Area



Feet
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Meters
0 200 400

N

Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: PLP_Wetlands2019_Mapbook.mxd	Date: 11/18/2019
Page 8 of 61	Author: HDR

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59°49'0"N

59°48'30"N

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HDR0065
HDR8601_19
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HDR8606_19
HDR8605_19
HDR0046
HDR8603_19
HDR8602_19
HDR8604_19
HDR0044
HDR1731
HDR0042
HDR1733
HDR1732
HDR0041
HDR0045
HDR0043
HDR1734

Iliamna Lake

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

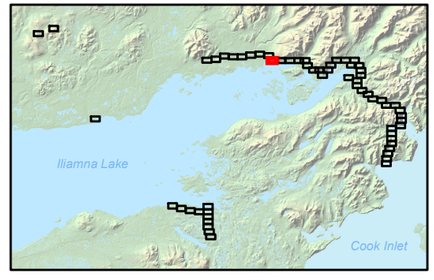
- Mapped Palustrine Emergent Wetlands
- Mapped Palustrine Scrub-Shrub Wetlands
- Mapped Palustrine Forested Wetlands
- Mapped Fresh Waterbodies
- Mapped Fresh Waterbodies Mosaic
- Mapped Aquatic Bed Waterbodies
- Mapped Marine Waterbodies
- Mapped Estuarine Emergent Wetlands
- Mapped Estuarine Waterbodies

Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Points

- WD Upland
- WD Wetland
- RU
- RW or FA
- WB or SC
- Field Plot Locations Outside Study Area



Feet
0 500 1,000
Meters
0 200 400

Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

N

File: PLP_Wetlands2019_Mapbook.mxd	Date: 11/18/2019
Page 9 of 61	Author: HDR

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59°49'0"N

59°48'30"N

HDR0054
HDR0056
HDR0055
HDR0051
HDR0050

Iliamna Lake

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

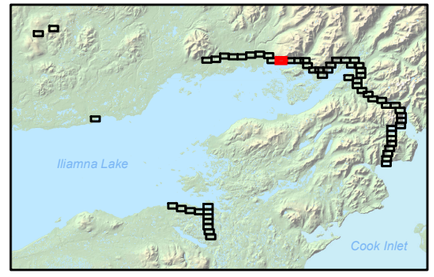
- Mapped Palustrine Emergent Wetlands
- Mapped Palustrine Scrub-Shrub Wetlands
- Mapped Palustrine Forested Wetlands
- Mapped Fresh Waterbodies
- Mapped Fresh Waterbodies Mosaic
- Mapped Aquatic Bed Waterbodies
- Mapped Marine Waterbodies
- Mapped Estuarine Emergent Wetlands
- Mapped Estuarine Waterbodies

Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Points

- WD Upland
- RU
- Field Plot Locations Outside Study Area



Feet
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Meters
0 200 400

N

Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: PLP_Wetlands2019_Mapbook.mxd	Date: 11/18/2019
Page 10 of 61	Author: HDR

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59°49'0"N

59°48'30"N

Iliamna Lake

THE pebble PARTNERSHIP

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

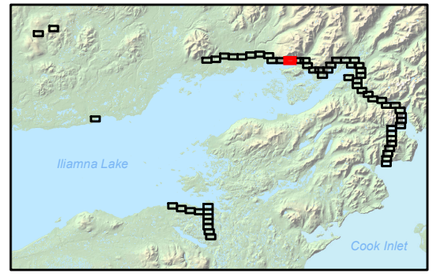
Mapped Wetlands and Waterbodies

- Mapped Palustrine Emergent Wetlands
- Mapped Palustrine Scrub-Shrub Wetlands
- Mapped Palustrine Forested Wetlands
- Mapped Fresh Waterbodies
- Mapped Fresh Waterbodies Mosaic
- Mapped Aquatic Bed Waterbodies
- Mapped Marine Waterbodies
- Mapped Estuarine Emergent Wetlands
- Mapped Estuarine Waterbodies

Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Plot Locations Outside Study Area



Feet
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Meters
0 200 400

N

Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: PLP_Wetlands2019_Mapbook.mxd	Date: 11/18/2019
Page 11 of 61	Author: HDR

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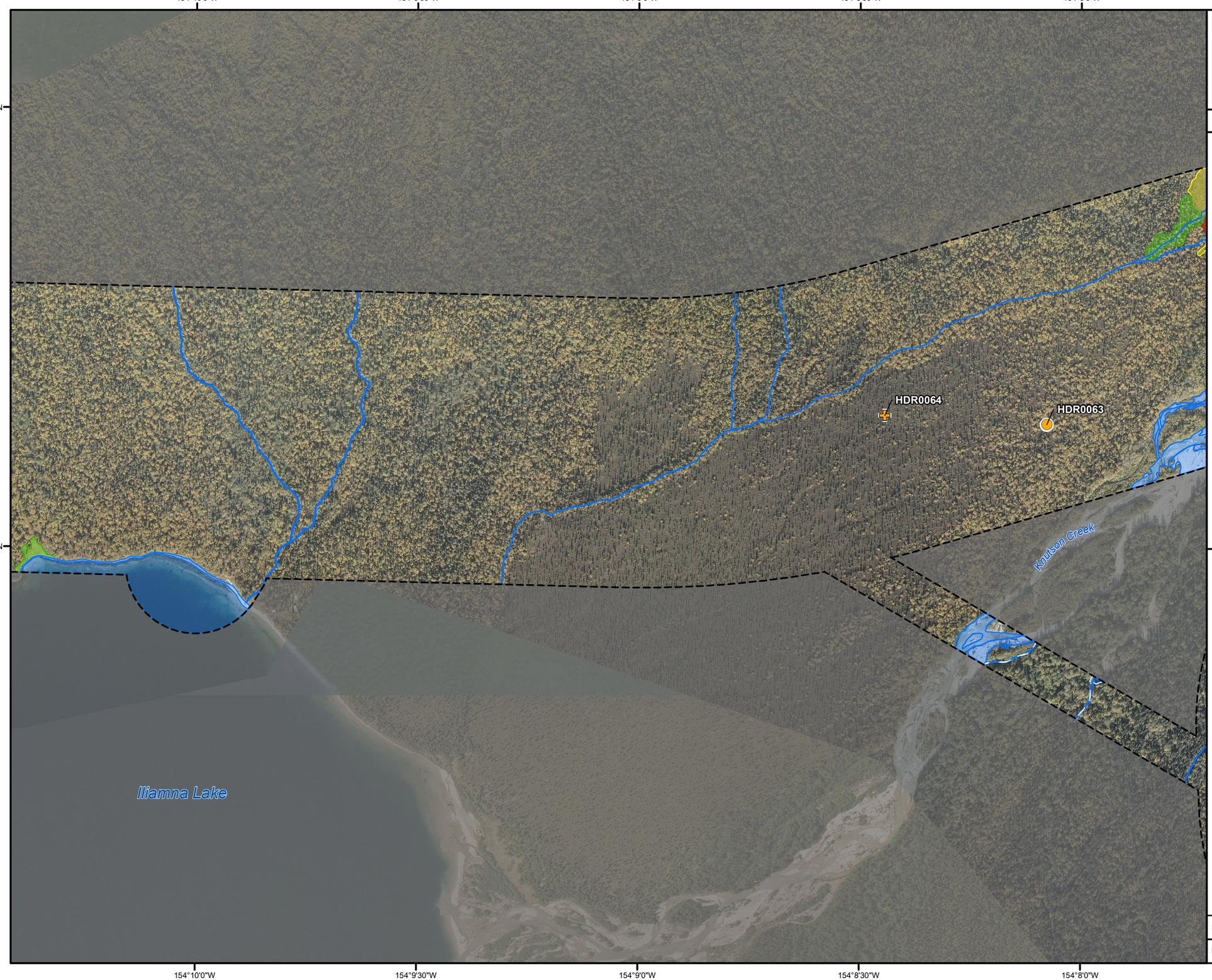
59°48'30"N



THE pebble PARTNERSHIP

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

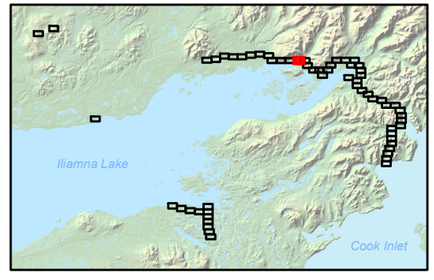
- Mapped Palustrine Emergent Wetlands
- Mapped Palustrine Scrub-Shrub Wetlands
- Mapped Palustrine Forested Wetlands
- Mapped Fresh Waterbodies
- Mapped Fresh Waterbodies Mosaic
- Mapped Aquatic Bed Waterbodies
- Mapped Marine Waterbodies
- Mapped Estuarine Emergent Wetlands
- Mapped Estuarine Waterbodies

Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Points

- WD Upland
- RU
- Field Plot Locations Outside Study Area



Feet
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Meters
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N

Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: PLP_Wetlands2019_Mapbook.mxd	Date: 11/18/2019
Page 12 of 61	Author: HDR

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59°49'0"N

59°48'30"N

HDR0059
HDR0061
HDR0060
HDR0064
HDR0063
HDR0062
HDR2055
HDR2053
HDR2054
Knutson Creek

THE pebble PARTNERSHIP

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

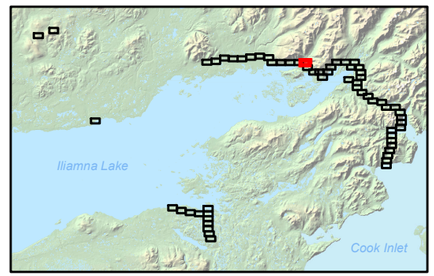
- Mapped Palustrine Emergent Wetlands
- Mapped Palustrine Scrub-Shrub Wetlands
- Mapped Palustrine Forested Wetlands
- Mapped Fresh Waterbodies
- Mapped Fresh Waterbodies Mosaic
- Mapped Aquatic Bed Waterbodies
- Mapped Marine Waterbodies
- Mapped Estuarine Emergent Wetlands
- Mapped Estuarine Waterbodies

Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Points

- WD Upland
- WD Wetland
- RU
- WB or SC
- Field Plot Locations Outside Study Area



0 500 1,000 Feet

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Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

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Page 13 of 61	Author: HDR

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59°48'0"N

59°47'30"N

HDR2055
HDR2053
HDR2054
HDR2047
HDR2048
HDR2049
HDR2050
HDR2060
HDR2059
HDR2058
HDR2057
HDR2056
Pedro Bay Airport

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

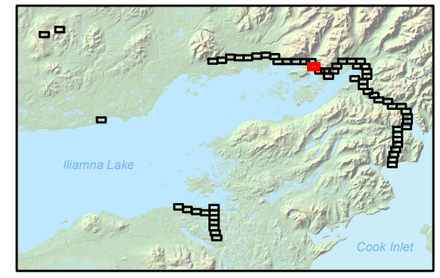
- Mapped Palustrine Emergent Wetlands
- Mapped Palustrine Scrub-Shrub Wetlands
- Mapped Palustrine Forested Wetlands
- Mapped Fresh Waterbodies
- Mapped Fresh Waterbodies Mosaic
- Mapped Aquatic Bed Waterbodies
- Mapped Marine Waterbodies
- Mapped Estuarine Emergent Wetlands
- Mapped Estuarine Waterbodies

Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Points

- WD Upland
- RU
- WB or SC
- Field Plot Locations Outside Study Area



0 500 1,000 Feet

0 200 400 Meters

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Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: PLP_Wetlands2019_Mapbook.mxd	Date: 11/18/2019
Page 14 of 61	Author: HDR

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59°47'30"N

59°47'0"N

HDR2060
HDR2059
HDR2058
HDR2057
HDR2056
HDR2063
HDR2067

Iliamna Lake

Dumbbell Lake

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

- Mapped Palustrine Emergent Wetlands
- Mapped Palustrine Scrub-Shrub Wetlands
- Mapped Palustrine Forested Wetlands
- Mapped Fresh Waterbodies
- Mapped Fresh Waterbodies Mosaic
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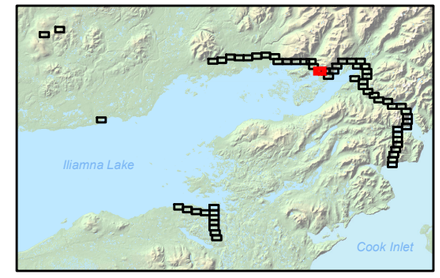
- Mapped Marine Waterbodies
- Mapped Estuarine Emergent Wetlands
- Mapped Estuarine Waterbodies

Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Points

- WD Upland
- WD Wetland
- RU
- WB or SC
- Field Plot Locations Outside Study Area



Feet
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Meters
0 200 400

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Scale 1:7,930
Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: PLP_Wetlands2019_Mapbook.mxd	Date: 11/18/2019
Page 15 of 61	Author: HDR

154°4'0"W
154°3'30"W
154°3'0"W
154°2'30"W
154°2'0"W
154°1'30"W

59°47'30"N
59°47'0"N

HDR2063
HDR2067
Dumbbell Lake

THE pebble PARTNERSHIP

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

- Mapped Palustrine Emergent Wetlands
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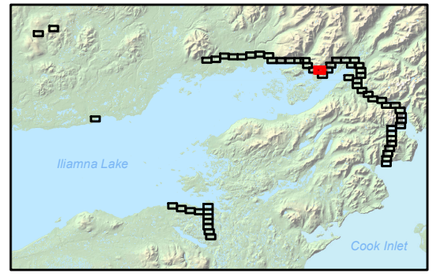
- Mapped Fresh Waterbodies Mosaic
- Mapped Aquatic Bed Waterbodies
- Mapped Marine Waterbodies
- Mapped Estuarine Emergent Wetlands
- Mapped Estuarine Waterbodies

Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Points

- WD Upland
- WD Wetland
- Field Plot Locations Outside Study Area



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0 200 400 Meters

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Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: PLP_Wetlands2019_Mapbook.mxd	Date: 11/18/2019
Page 16 of 61	Author: HDR

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59°46'30"N

59°46'0"N

HDR3429
HDR3430
HDR2158
HDR2156
HDR2157
HDR3427
HDR3428

Iliamna Lake

THE pebble PARTNERSHIP

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

- Mapped Palustrine Emergent Wetlands
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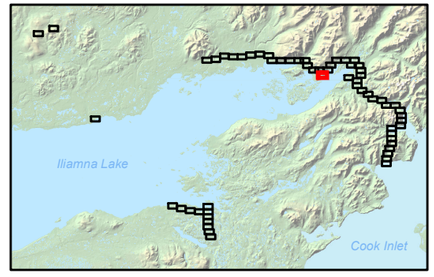
- Mapped Fresh Waterbodies
- Mapped Fresh Waterbodies Mosaic
- Mapped Aquatic Bed Waterbodies
- Mapped Marine Waterbodies
- Mapped Estuarine Emergent Wetlands
- Mapped Estuarine Waterbodies

Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Points

- WD Upland
- WD Wetland
- RW or FA
- WB or SC
- Field Plot Locations Outside Study Area



Feet
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Meters
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N

Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: PLP_Wetlands2019_Mapbook.mxd	Date: 11/18/2019
Page 17 of 61	Author: HDR

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59°47'30"N

59°47'0"N

Iliamna Lake

THE pebble PARTNERSHIP

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

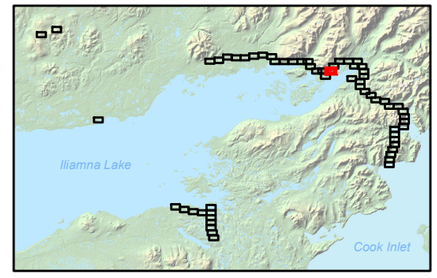
Mapped Wetlands and Waterbodies

- Mapped Palustrine Emergent Wetlands
- Mapped Palustrine Scrub-Shrub Wetlands
- Mapped Palustrine Forested Wetlands
- Mapped Fresh Waterbodies
- Mapped Fresh Waterbodies Mosaic
- Mapped Aquatic Bed Waterbodies
- Mapped Marine Waterbodies
- Mapped Estuarine Emergent Wetlands
- Mapped Estuarine Waterbodies

Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Plot Locations Outside Study Area



0 500 1,000 Feet

0 200 400 Meters

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Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: PLP_Wetlands2019_Mapbook.mxd	Date: 11/18/2019
Page 18 of 61	Author: HDR

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59°48'0"N

59°47'30"N

HDR5371
HDR5370
HDR5368
HDR5369
HDR5372
HDR5367
HDR5366
HDR8708_19
HDR8707_19
HDR8706_19
HDR8705_19

Iliamna Lake

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Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

- Mapped Palustrine Emergent Wetlands
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- Mapped Fresh Waterbodies Mosaic
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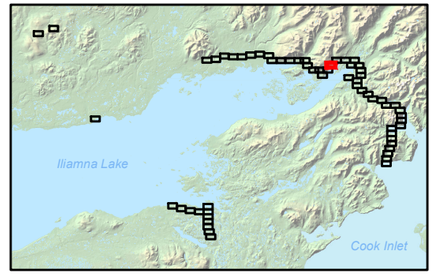
- Mapped Marine Waterbodies
- Mapped Estuarine Emergent Wetlands
- Mapped Estuarine Waterbodies

Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Points

- WD Wetland
- RU
- RW or FA
- WB or SC
- Field Plot Locations Outside Study Area



0 500 1,000 Feet

0 200 400 Meters

Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

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File: PLP_Wetlands2019_Mapbook.mxd	Date: 11/18/2019
Page 19 of 61	Author: HDR

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59°49'0"N

59°48'30"N

HDR2076
HDR2077
HDR2078
HDR2080
HDR2081
HDR2082
HDR2083

THE pebble PARTNERSHIP

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

- Mapped Palustrine Emergent Wetlands
- Mapped Palustrine Scrub-Shrub Wetlands
- Mapped Palustrine Forested Wetlands
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- Mapped Fresh Waterbodies Mosaic
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- Mapped Marine Waterbodies
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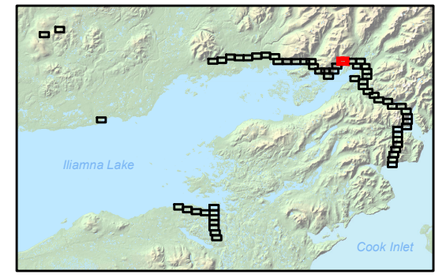
- Mapped Estuarine Waterbodies

Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Points

- WD Upland
- WD Wetland
- RU
- RW or FA
- WB or SC
- Field Plot Locations Outside Study Area



Feet
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Meters
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N

Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: PLP_Wetlands2019_Mapbook.mxd	Date: 11/18/2019
Page 20 of 61	Author: HDR

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59°49'0"N

59°48'30"N

HDR3425
HDR8343
HDR8344
HDR3422
HDR8342
HDR1051
HDR8339
HDR8337
HDR8338

THE pebble PARTNERSHIP

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

- Mapped Palustrine Emergent Wetlands
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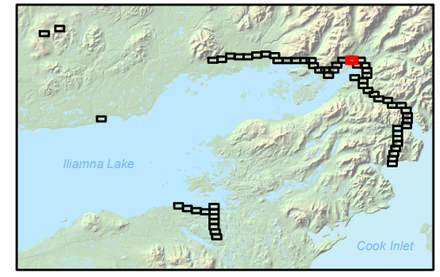
Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Points

- WD Wetland
- RU
- RW or FA
- WB or SC
- Field Plot Locations Outside Study Area



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0 200 400 Meters

Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

N

File: PLP_Wetlands2019_Mapbook.mxd	Date: 11/18/2019
Page 21 of 61	Author: HDR

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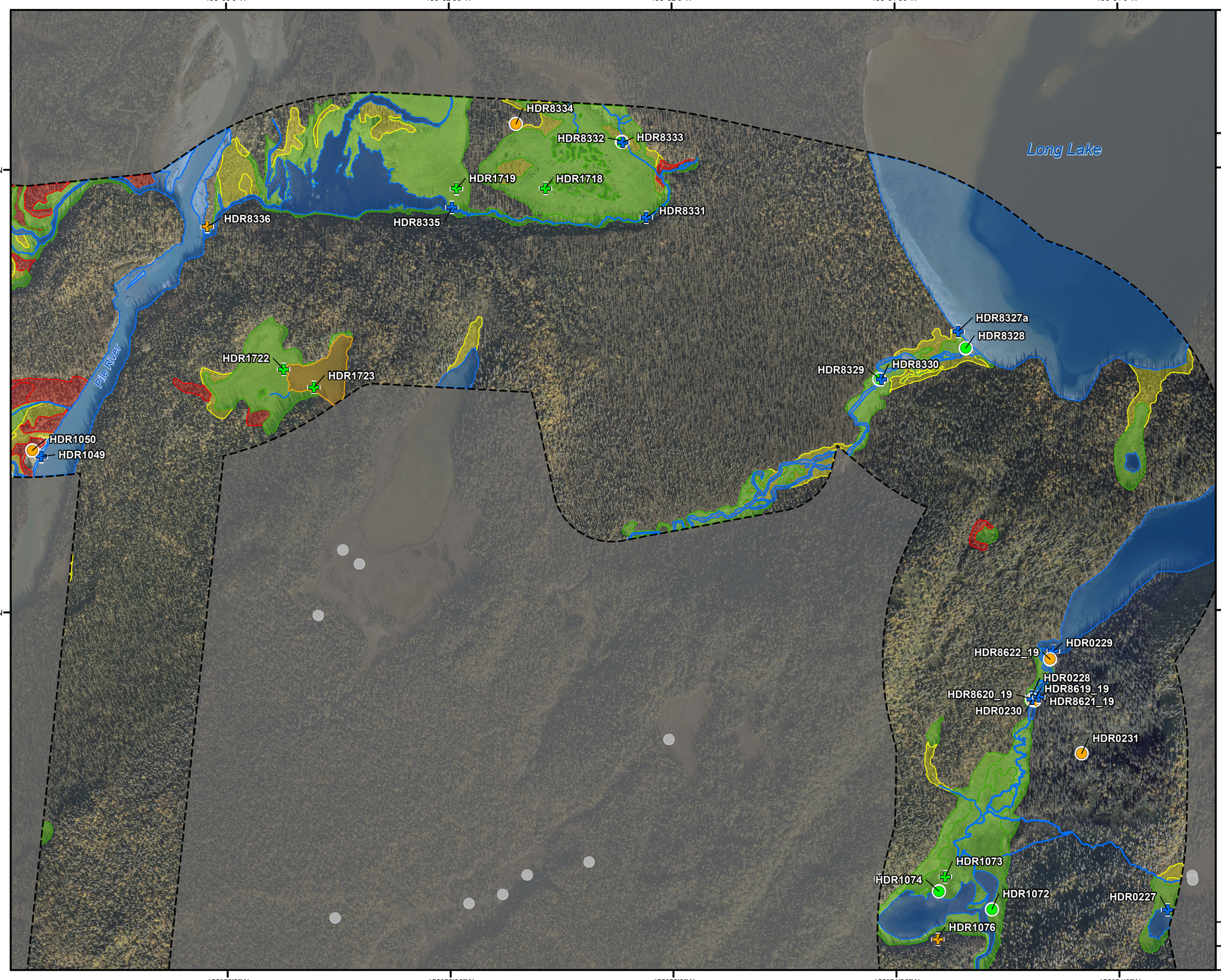
59°48'30"N



THE pebble PARTNERSHIP

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

- Mapped Palustrine Emergent Wetlands
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- Mapped Marine Waterbodies
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Mapped Streams

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- R4SBC

Field Points

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- WD Wetland
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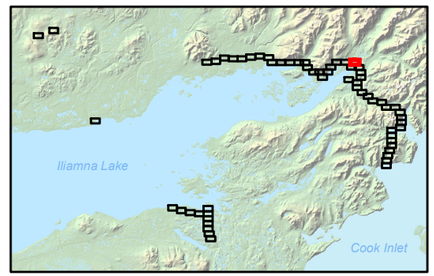
- Field Plot Locations Outside Study Area



0 500 1,000 Feet

0 200 400 Meters

Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

N

File: PLP_Wetlands2019_Mapbook.mxd	Date: 11/18/2019
Page 22 of 61	Author: HDR

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59°48'0"N

59°47'30"N

Pile River

HDR7613_19
HDR7614_19
HDR7612_19
HDR7615_19
HDR7619_19
HDR7616_19
HDR7618_19
HDR7617_19
HDR8632_19
HDR8631_19
HDR8630_19
HDR8628_19
HDR8629_19

Iliamna Lake

THE pebble PARTNERSHIP

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

- Mapped Palustrine Emergent Wetlands
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Mapped Streams

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- R4SBC

Field Points

- WD Upland
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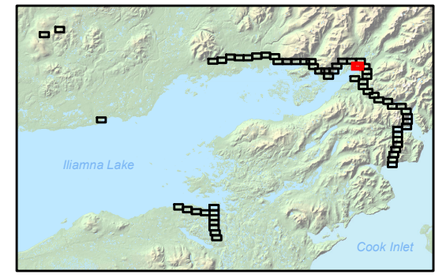
- Field Plot Locations Outside Study Area



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0 200 400 Meters

Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

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File: PLP_Wetlands2019_Mapbook.mxd	Date: 11/18/2019
Page 23 of 61	Author: HDR

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59°48'0"N

59°47'30"N

HDR0231
HDR1073
HDR1074
HDR1072
HDR0227
HDR1076
HDR3419
HDR3420
HDR3416
HDR1071
HDR1070
HDR3418
HDR3417
HDR2147
HDR2145
HDR2146

THE pebble PARTNERSHIP

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

- Mapped Palustrine Emergent Wetlands
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Field Points

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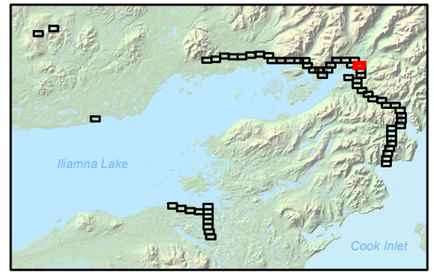

Feet
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Meters
0 200 400

Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

N

File: PLP_Wetlands2019_Mapbook.mxd	Date: 11/18/2019
Page 24 of 61	Author: HDR

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59°47'30"N

59°47'0"N

HDR1071
HDR1070
HDR3418
HDR3417
HDR2147
HDR2145
HDR2146
HDR1066
HDR1067
HDR1068
HDR1069
HDR2148
HDR2149

Iliamna River

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

- Mapped Palustrine Emergent Wetlands
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- Mapped Palustrine Forested Wetlands
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Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Points

- WD Upland
- WD Wetland
- RU
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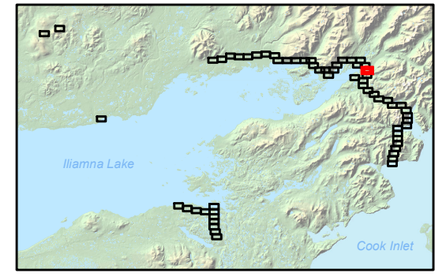
- Field Plot Locations Outside Study Area



Feet
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Meters
0 200 400

N

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Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: PLP_Wetlands2019_Mapbook.mxd	Date: 11/18/2019
Page 25 of 61	Author: HDR

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59°46'30"N

59°46'0"N

HDR2148
HDR2149
Iliamna River
HDR4299
HDR8617_19
HDR8618_19
HDR8616_19
HDR4298
Iliamna River
HDR7603_19
HDR7602_19
HDR7601_19
HDR7600_19
HDR4297

THE pebble PARTNERSHIP

Wetland Mapping Report
Project Alternatives 2 and 3

Study Area

Mapped Wetlands and Waterbodies

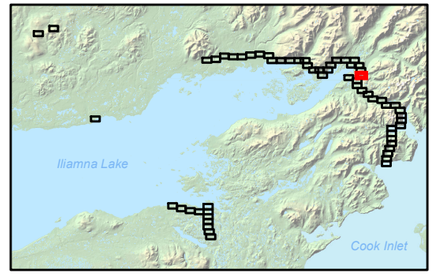
- Mapped Palustrine Emergent Wetlands
- Mapped Palustrine Scrub-Shrub Wetlands
- Mapped Palustrine Forested Wetlands
- Mapped Fresh Waterbodies
- Mapped Fresh Waterbodies Mosaic
- Mapped Aquatic Bed Waterbodies
- Mapped Marine Waterbodies
- Mapped Estuarine Emergent Wetlands
- Mapped Estuarine Waterbodies

Mapped Streams

- R3UBH and R3USC
- R4SBC

Field Points

- WD Upland
- WD Wetland
- RU
- RW or FA
- WB or SC
- Field Plot Locations Outside Study Area



Feet
0 500 1,000
Meters
0 200 400

N

Scale 1:7,930

Alaska State Plane Zone 5 (units feet)
1983 North American Datum

File: PLP_Wetlands2019_Mapbook.mxd	Date: 11/18/2019
Page 26 of 61	Author: HDR

153°52'30"W 153°52'0"W 153°51'30"W 153°51'0"W 153°50'30"W 153°50'0"W

59°46'0"N

59°45'30"N

59°45'0"N

Iliamna River

HDR7603_19
HDR7602_19
HDR7601_19
HDR7600_19
HDR4297
HDR1063
HDR4296
HDR1064
HDR2130
HDR1059
HDR2129
HDR1057
HDR1058
HDR2131
HDR2135
HDR2136
HDR2134
HDR2133
HDR2132
HDR8615_19
HDR1060
HDR1061
HDR1062

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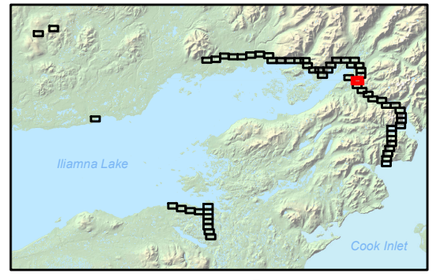

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0 200 400 Meters

Scale 1:7,930

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153°55'0"W 153°54'30"W 153°54'0"W 153°53'30"W 153°53'0"W 153°52'30"W

59°46'30"N

59°46'0"N

59°45'30"N

Iliamna Lake

HDR7709_19
HDR7710_19
HDR7708_19
HDR7707_19
HDR7706_19
HDR7705_19
HDR7704_19
HDR7703_19
HDR7702_19
HDR7700_19
HDR7701_19
HDR8700_19
HDR8702_19
HDR8703_19
HDR8704_19
HDR8701_19
HDR8710_19
HDR8709_19
HDR8715_19
HDR8711_19
HDR8714_19
HDR8712_19
HDR8713_19

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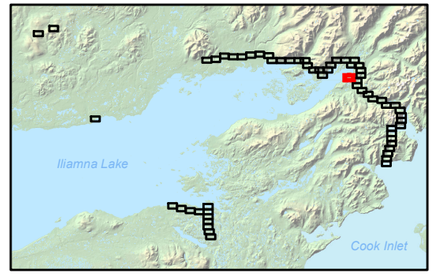

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