

STATE OF ALASKA

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**DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND & WATER**

Alaska Hydrologic Survey

INSPECTION REPORT --PEBBLE PROJECT--

Inspection Date: 15-16 June 2010
Weather: Windy, occasional showers, 40-50°F
Operator Contact: Gary DeSchutter, PLP
Agency Personnel: Jim Vohden-DNR, Ron Benkert-ADF&G,
Gay Harpole-ADEC, Kara Kusche-ADEC, Stephanie Lovell-DNR,
Kate Malloy-ADF&G
Inspection Objectives: Site visit to Pebble Project to inspect unauthorized water withdrawals outlined in the Settlement Agreement.

BACKGROUND

In a letter dated 6 November 2009, the Pebble Limited Partnership (PLP) informed the State of Alaska (State) that during the exploration process, in order to support the drilling program, water had been taken from a number of unauthorized water sources. A Settlement Agreement was reached between the State and PLP as found in Appendix A. Part of the Settlement reserves the right of the State to inspect the areas of the unauthorized withdrawals. Forty-six drillholes were identified in the Settlement and from this set there were 32 unique locations from which water was taken. Several drillholes used water from the same source. Based on this information, the State carried out a field inspection to determine if any adverse environmental effects resulted from these withdrawals.

From the Settlement Agreement:

“...the State reserves the right to conduct a field inspection of the areas of the unauthorized water withdrawals, located near the sites identified in Attachment A, by no later than September 30, 2010, at Pebble’s expense. In the event that the State determines that unauthorized withdrawals or use of water have caused adverse environmental effects, the State may so inform Pebble and may on that basis and no later than October 31, 2010, re-open the claims released herein and bring any action thereon.”

METHODS/LOGISTICS

A site inspection was carried out on 15 and 16 June 2010 where each of the identified water withdrawal sites were visited. Three State agencies took part in the site inspection: the Alaska Departments of Fish & Game, Natural Resources, and Environmental Conservation. In order to make the best use of time and logistics the agencies were split into two teams. Each team consisted of one representative from each agency and a bear guard assigned by PLP.

Agency Team 1

Ron Benkert (ADF&G)
Stephanie Lovell (ADNR)
Gay Harpole (ADEC)

Agency Team 2

Jim Vohden (ADNR)
Kate Malloy (ADF&G)
Kara Kusche (ADEC)

The latitude and longitude of the drillholes and water sources were provided by PLP. These locations were plotted on maps prior to field work. GPS coordinates are in the NAD83 datum; site locations were recorded in decimal degrees. Coordinates were downloaded to handheld GPS units which were used to locate the sites in the field. Any drillholes visited were recorded as the number of the hole (i.e. 6789) whereas the analogous water source was recorded by adding a “W” after the drillhole number (i.e. 6789W). Dedicated helicopter support was provided by PLP.

At a given site, the helicopter would land in the proximity of the water source to be inspected. The coordinates would then be located on foot. Although the precise location of the majority of the water sources is not defined in the field with a stake or a monument, the GPS coordinates led us to seemingly appropriate water sources. Once the location was determined in the field, photographs were taken and field observations were noted on the field form (Appendix D) with appropriate information to describe the site. Each field form includes the actual GPS coordinates from the location on the ground.

RESULTS/DISCUSSION

Of the 46 drillholes identified in Attachment A of the Settlement, there are several that require clarification. There were two drillholes with the same physical location, drillholes 9470 and 9471. This was a result of PLP drilling one hole, abandoning it, and re-drilling on the same location. The water source for drillholes 8404 and 8434M is in a permitted area covered under TWUP#A2006-144, and therefore should not be included on the list. This leaves 44 unique drillholes identified in Attachment A with 30 unique water sources. Two teams of three agency representatives spent two days in the field locating and documenting the water sources at thirty sites. Documentation included photographing the vicinity of the unauthorized water sources and field observations of site conditions.

Overall, the field personnel found no adverse environmental effects that would have been a result of the unauthorized withdrawal of water at any of the thirty sites. At most water source locations there was no indication of anyone having been there before, and no visual indication that there was any more or any less water there than should be there naturally.

Specific findings:

- 7377W: No surface water source located here. This was found to be the location of drillhole 5336 which is capped with a nut, indicative that the drillhole was used as the water source for drillhole 7377.
- 8403W: No surface water source located here. This was found to be the location of drillhole 7365 which is capped with a nut and valve, indicative that the drillhole was used as the water source for drillhole 8403.
- 9455W: No adverse environmental impacts were noted at 9455W, however an unrelated observation was noted nearby. Drillhole 9455 is located up valley and above the left limit of the unnamed creek which was utilized as the water source. At the time of the inspection a white precipitate or floc was noticed in the stream upgradient of water source 9455W. A visit was made to the site one month after this inspection to investigate further. This precipitate was observed in a roughly 200-foot reach of the stream itself and was not visible in any of the several seeps or flows that originated from the hillside on the left bank of the stream. It appears that the precipitate does not have a distinct beginning or end within the stream reach; rather it begins and ends gradually over its distance. It is a whitish floc that is found on the rocky substrate as well as vegetation within the creek channel. Vegetation is still growing despite the presence of this material; the only manifestation is the white color that it imparts to the streambed. Upon removal from the streambed, the precipitate appears less white and more beige/orange in color. Several samples of the rocky substrate with this precipitate were collected in ziplock bags for analysis. In the laboratory material was scraped from the rocks and acid-digested, followed by a 24-element ICP scan. This provided a qualitative analysis of the material; analysis was carried out on the wet sample without regard to mass or percent moisture. Results yielded a very high ratio of aluminum over other elements. The second-most abundant element was iron which explains the orange tint to the samples upon removal from the stream. Further analysis by X-Ray Diffraction by the University of Alaska Fairbanks showed that the material is most likely an amorphous aluminum hydroxide. The investigation and analysis did not reveal any connection between the precipitate and any exploration activities in the area, and it is unrelated to the unauthorized water withdrawals. At this time the precipitate appears most likely to be a result of natural processes.

CONCLUSION

A field investigation was carried out on the water sources for 46 drillholes identified in the February 2010 Settlement Agreement between the State and PLP. Of the 46 drillholes, there were 44 unique sites with 30 distinct water sources. Several drillholes utilized the same water source. After spending two days visiting sites, personnel from the Alaska Departments of Fish & Game, Natural Resources, and Environmental Conservation conclude that there do not appear to be any adverse environmental effects caused by the unauthorized water withdrawals.

Appendix A.
Settlement Agreement between the State of Alaska and Pebble Limited Partnership

**Settlement Agreement & Release:
Pebble Limited Partnership
Unauthorized Water Withdrawal Violations**

The State of Alaska (“State”) and Pebble Limited Partnership (“Pebble”), desire to settle certain matters based on Pebble’s unauthorized withdrawals and use of water during the years 2007, 2008, and 2009, from water sources near the drilling sites specifically identified in Attachment A. In response to information about unauthorized withdrawals and uses of water, including Pebble’s self-report on November 6, 2009, the State undertook an investigation and enforcement action that has culminated in this agreement. This Settlement Agreement shall be effective as of the earliest date reflected by the signatories below.

1. Pebble agrees to pay the State the sum of forty-five thousand dollars (\$45,000) within 10 days of signing this Agreement, as a penalty for the past unauthorized withdrawals and use of water from water sources near the drilling sites described in Attachment A. In consideration of this payment and the actions required by Paragraph 2, the State agrees to release Pebble, its subsidiaries, its partners and their affiliates and any officers, directors, affiliates, agents, and employees of all of the foregoing from any and all common law claims and any claim under the Alaska Water Use Act (AS 46.15), which claims are based on the unauthorized withdrawals and use of water from water sources near the drilling sites identified in Attachment A. This agreement is intended to resolve claims based on the act of withdrawing and using water without proper authorization from water sources near the drilling sites identified in Attachment A, and is not intended to resolve any claim(s) or liability(ies) based on other act(s) or occurrence(s).

2. In addition to payment of the penalty described in Paragraph 1, Pebble also agrees to prepare a detailed written plan (“Water Withdrawal Plan”) that assures that all water sources used in drilling and other operations that require an authorization are properly permitted, and to obtain approvals of this plan from the Department of Natural Resources, Division of Mining Land and Water’s Water Resources and Mining Sections (collectively “DNR”), and the Alaska Department of Fish and Game’s (ADF&G’s) Division of Habitat. This written plan should include, but is not limited to:

- a) provision for submission to DNR & ADF&G’s Division of Habitat of appropriate maps prior to drilling, showing specific water sources and approximate take points within an authorized reach of a stream, for each drill hole, including identification of the specific temporary water use permit (“TWUP”) and Fish Habitat Permit that authorizes the withdrawal or use of water from that water source;
- b) a plan for coordination and training of field staff, geologists, engineers, drillers, and any other workers involved in the placement of intake hoses, and the connection of intake hoses to the drilling operation;

- c) provision for GPS identification prior to and after the intake is in place and email submittal of this GPS information to identified contact persons with DNR's Water Resources Section and ADF&G's Division of Habitat; and
- d) submittals to DNR's Water Resources Section staff and ADF&G Division of Habitat staff of photographic confirmation at each source and take point, prior to and after intake equipment has been placed and removed.

In addition, Pebble shall appoint a field position (Compliance Officer) to be responsible for confirming that any water source being used has the appropriate TWUP authorization and ADF&G Division of Habitat review or permit, checking locations of water sources and take points, and confirming that all field operations are in compliance with conditions and stipulations of the TWUPs, miscellaneous land use permit ("MLUP"), and Fish Habitat Permits.

Pebble shall submit a proposed Water Withdrawal Plan, as required under this Paragraph 2, including all of the elements described above, on or before February 20, 2010. Pebble shall meet with representatives of DNR and ADF&G's Division of Habitat within 15 days thereafter to discuss and attempt to resolve any questions about the Water Withdrawal Plan and to amend the proposed plan if necessary. Any follow up meetings shall be scheduled as soon as practical thereafter. Pebble shall implement the Water Withdrawal Plan immediately after it has been approved by DNR and ADF&G's Division of Habitat.

3. Nothing in this Agreement nullifies or alters the terms of any existing or future TWUPs, MLUPs, or other authorizations that the State has issued or may issue to Pebble in the future for any of the activities that Pebble may conduct in the State of Alaska, including that any TWUPs or MLUPs now existing or later issued remain revocable at will or for cause. Nothing in this Agreement may be construed to prohibit any State agency, in its discretion, from making compliance with the Water Withdrawal Plan a specific condition of any permit or other authorization issued by the agency previously, currently, or in the future. Except as specifically provided, this Agreement does not preclude the State from taking any other action allowed by law.

4. Neither the payment provided in Paragraph 1, the doing of any of the acts referred to in this Agreement, nor anything else contained in this Agreement shall be taken or construed to be an admission of any wrongdoing, claims, demands, causes of action, violations, obligations, damages or liability asserted by the State.

5. Notwithstanding the release in Paragraph 1, the State reserves the right to conduct a field inspection of the areas of the unauthorized water withdrawals, located near the sites identified in Attachment A, by no later than September 30, 2010, at Pebble's expense. In the event that the State determines that unauthorized withdrawals or use of water have caused adverse environmental effects, the State may so inform Pebble and may on that basis and no later than October 31, 2010, re-open the claims released herein and bring any action thereon.

6. All the terms and conditions of this agreement have been reflected on, without haste; no one is under a disadvantage; no representations other than those set forth herein have been made; and the State and Pebble have had the opportunity to consult with their attorneys and sign this agreement without any coercion whatsoever.

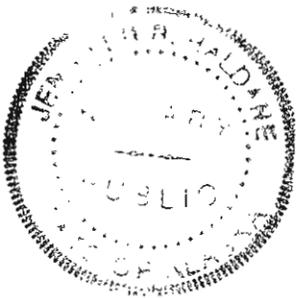
DANIEL S. SULLIVAN
ATTORNEY GENERAL

By: Colleen J. Moore
Colleen J. Moore
Assistant Attorney General
on behalf of the State of Alaska

Dated: 2/11/10

STATE OF ALASKA)
THIRD JUDICIAL DISTRICT)

The foregoing instrument was acknowledged before me this 11th day of February, 2010 by Colleen J. Moore, Assistant Attorney General for the State of Alaska.



Jennifer R. Haldane
Notary Public in and for Alaska
My commission expires: 5/12/11

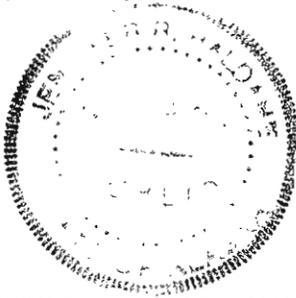
PEBBLE LIMITED PARTNERSHIP

By: Ken Taylor
Ken Taylor
Vice President, Environment

Dated: February 11, 2010

STATE OF ALASKA)
THIRD JUDICIAL DISTRICT)

The foregoing instrument was acknowledged before me this 11th day of February, 2010 by Ken Taylor, Vice President, Environment, Pebble Limited Partnership.



Jennifer R. Haldane
Notary Public in and for Alaska
Commission Expires 5/12/11

ATTACHMENT A
Settlement Agreement: Pebble Limited Partnership
Unauthorized Water Withdrawal Violations

List of drilling holes that took water from unpermitted water sources based on maps submitted by Pebble Partnership as attachments to letter dated November 6, 2009. Annotated copies of maps are also attached.

2007 Drilling Program

Upper Talarik Creek drainage

Drill hole 7362

Drill hole 7377

South Fork Kaktuli River drainage

Drill hole 7374

Drill hole 7380

Drill hole 7390

Drill hole 7391

Drill hole 7392

Drill hole 7397

Drill hole 7399

2008 Drilling Program

Upper Talarik Creek drainage

Drill hole 8403

Drill hole 8412

Drill hole 8435

Drill hole 8437

Drill hole 8441

South Fork Kaktuli River drainage

Drill hole 7386

Drill hole 8404

Drill hole 8407

Drill hole 8418

Drill hole 8424

Drill hole 8425

State of Alaska-Pebble Limited Partnership Settlement
Regarding Unauthorized Water Withdrawal Violations
Attachment A

Drill hole 8426
Drill hole 8427
Drill hole 8428
Drill hole 8429
Drill hole 8431
Drill hole 8432
Drill hole 8434
Drill hole 8436
Drill hole 8444

2009 Drilling Program

Upper Talarik Creek drainage

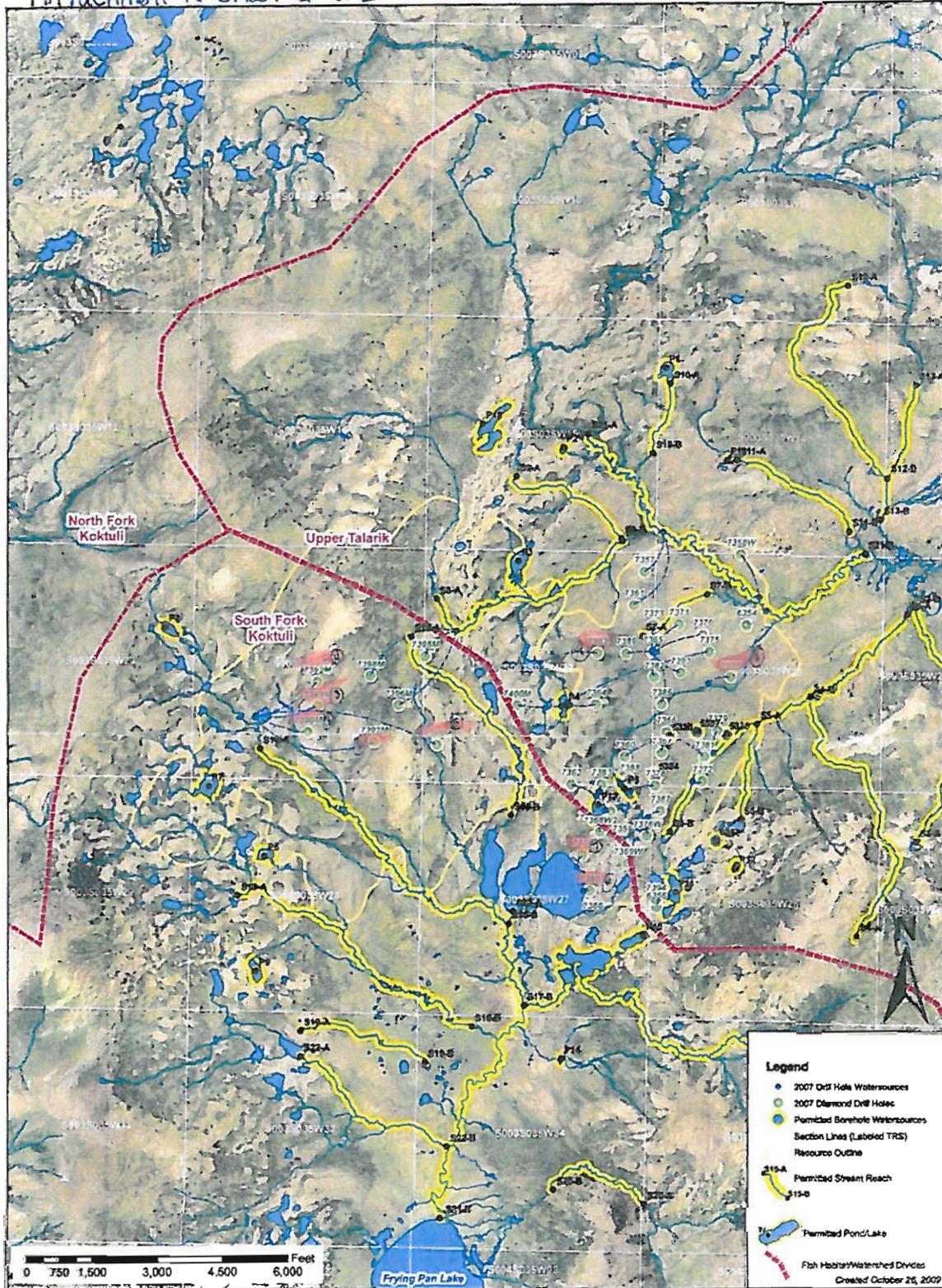
Drill hole 9454
Drill hole 9458
Drill hole 9460
Drill hole 9463
Drill hole 9470
Drill hole 9471 (appears to be same take point as drill hole 9470)
Drill hole 9472

South Fork Kaktuli River drainage

Drill hole 9455
Drill hole 9457
Drill hole 9459
Drill hole 9462
Drill hole 9464
Drill hole 9466

North Fork Kaktuli River drainage

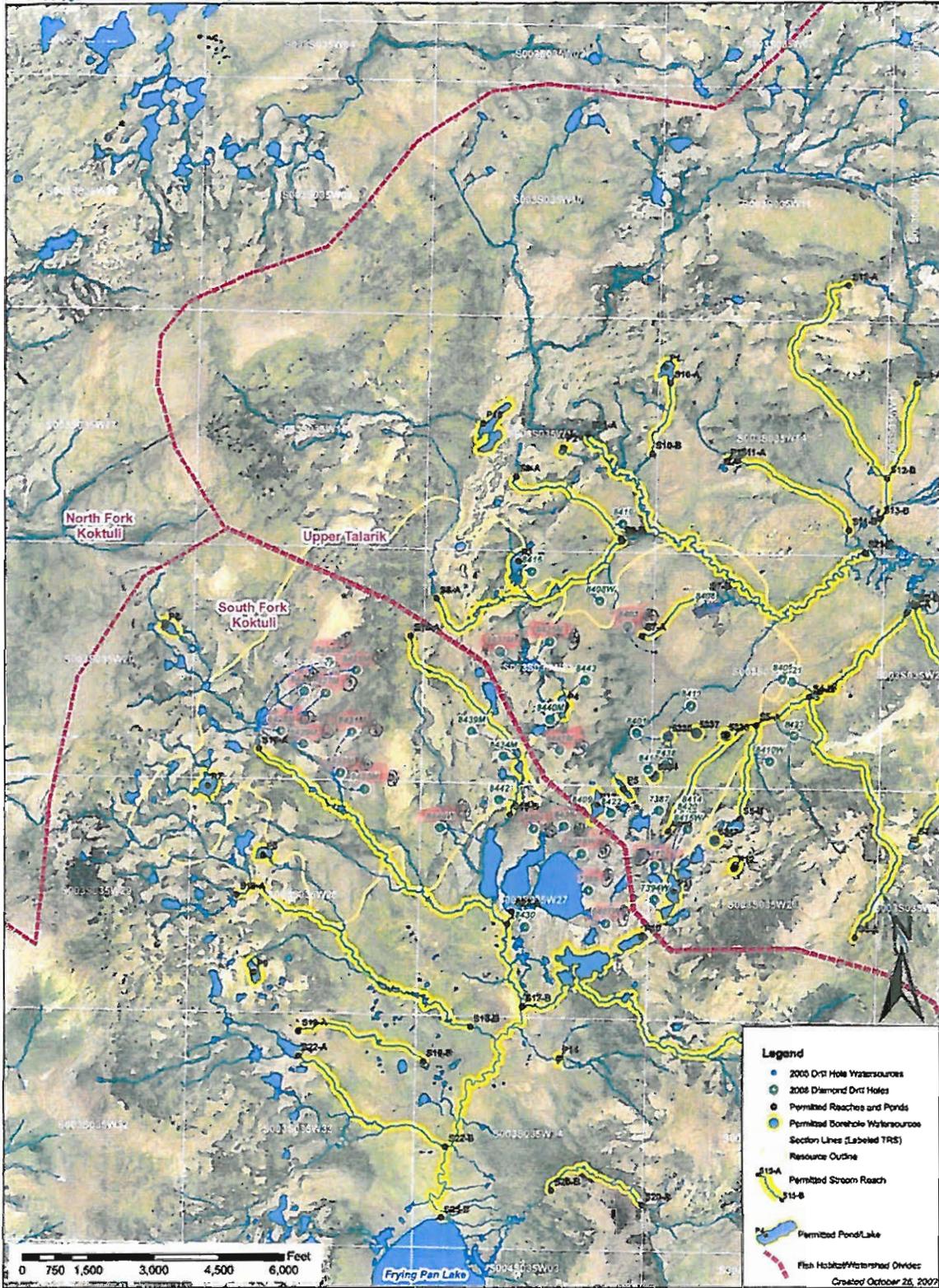
Drill hole 9465
Drill hole 9467
Drill hole 9469
Drill hole 9473



unpermitted water sources/drill holes highlighted in pink



Pebble 2007 Diamond Drill Holes and Watersources

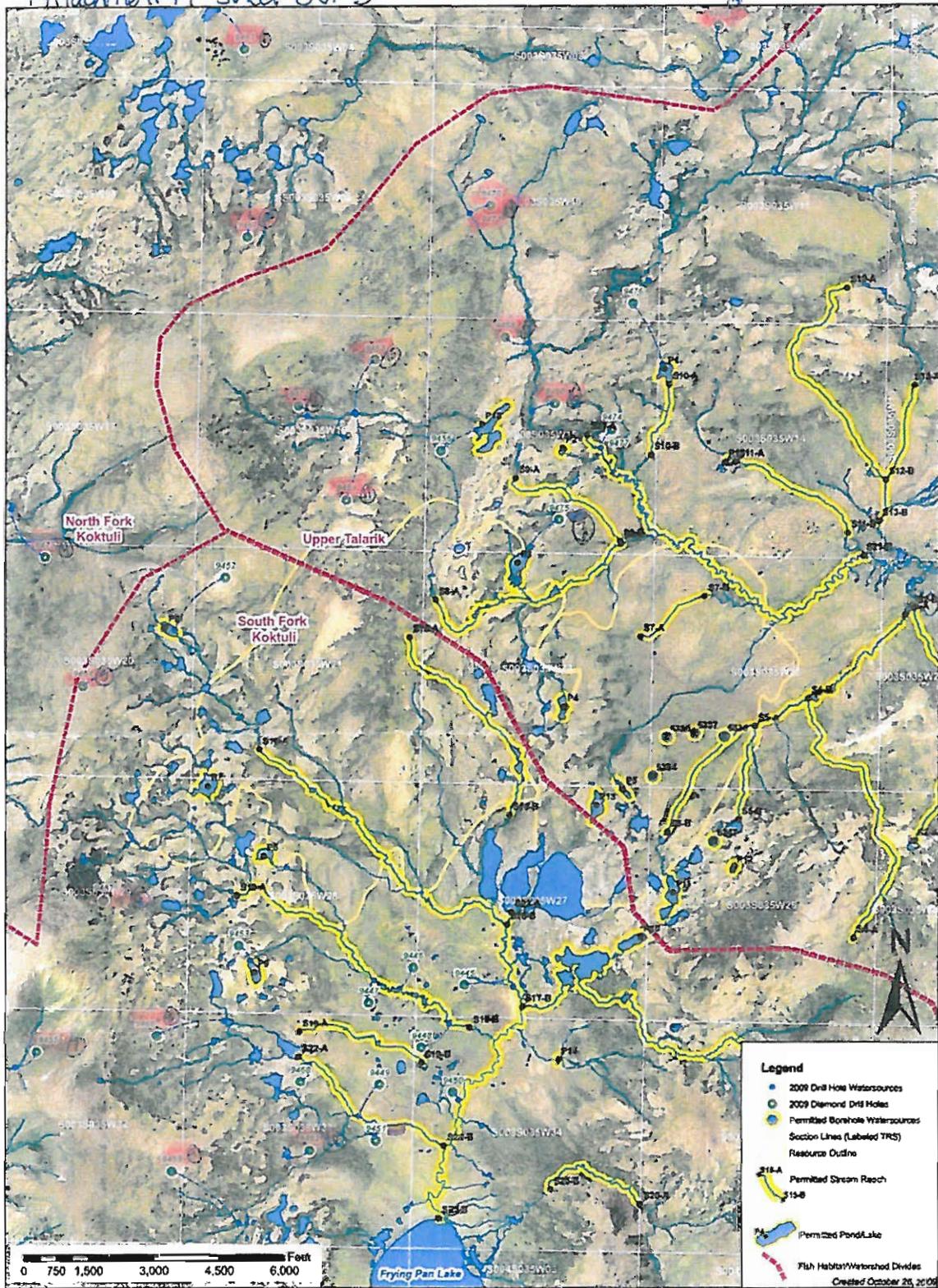


Unpermitted water sources/drill holes highlighted in pink

20 - 21



Pebble 2008 Diamond Drill Holes and Watersources



Unpermitted water sources/drill sites highlighted in pink



Pebble 2009 Diamond Drill Holes and Watersources

Appendix B.
Unauthorized water source locations and associated drillhole ID

Appendix B. Unauthorized water source locations and associated drillhole ID.

Drilling Year and Drainage	Drillhole ID	Water Source Latitude (field location)	Water Source Longitude (field location)	Water Source Photos	Inspection Team
2007 Upper Talarik	7362	59.90282N	155.27623W	Figures 1, 2, 3, 4	2
2008 Upper Talarik	8435				
2008 Upper Talarik	8437				
2007 Upper Talarik	7377	59.90155N	155.25468W	Figures 5, 6, 7	2
2007 S. Fork Koktuli	7374	59.89001N	155.27061W	Figures 8, 9, 10, 11	2
2007 S. Fork Koktuli	7380				
2007 S. Fork Koktuli	7390	59.89908N	155.31111W	Figures 12, 13, 14, 15	1, 2
2007 S. Fork Koktuli	7391				
2007 S. Fork Koktuli	7392	59.89899N	155.31123W	Figures 16, 17, 18, 19	2
2007 S. Fork Koktuli	7397				
2007 S. Fork Koktuli	7399	59.89938N	155.31102W	Figures 20, 21, 22, 23	2
2008 Upper Talarik	8403	59.90347N	155.26170W	Figures 24, 25, 26, 27	2
2008 S. Fork Koktuli	7386				
2008 S. Fork Koktuli	8407	59.88760N	155.26965W	Figures 28, 29, 30, 31	2
2008 Upper Talarik	8412	59.88968N	155.26125W	Figures 32, 33, 34, 35	2
2008 S. Fork Koktuli	8418	59.89041N	155.27133W	Figures 36, 37, 38, 39	2
2008 S. Fork Koktuli	8436	59.89190N	155.27477W	Figures 40, 41, 42, 43	2
2008 Upper Talarik	8441	59.89845N	155.27502W	Figures 44, 45, 46, 47	2
2009 S. Fork Koktuli	9457	59.88987N	155.33177W	Figures 48, 49, 50, 51	2
2009 S. Fork Koktuli	9464	59.90236N	155.32272W	Figures 52, 53, 54, 55	2
2009 N. Fork Koktuli	9467	59.93211N	155.31401W	Figures 56, 57, 58, 59	2
2009 N. Fork Koktuli	9469	59.94281N	155.31773W	Figures 60, 61, 62, 63	2
2009 Upper Talarik	9472	59.91754N	155.30548W	Figures 64, 65, 66, 67	2
2009 N. Fork Koktuli	9473	59.91171N	155.34247W	Figures 68, 69, 70, 71	2
2008 S. Fork Koktuli	8424	59.89848N	155.31083W	Figures 72, 73, 74, 75	1
2008 S. Fork Koktuli	8425				
2008 S. Fork Koktuli	8426				
2008 S. Fork Koktuli	8427				
2008 S. Fork Koktuli	8428				
2008 S. Fork Koktuli	8429				
2008 S. Fork Koktuli	8431	59.89522N	155.30097W	Figures 76, 77	1
2008 S. Fork Koktuli	8432				
2008 S. Fork Koktuli	8444	59.89127N	155.28232W	Figures 78, 79, 80, 81	1
2009 S. Fork Koktuli	9455	59.87698N	155.34005W	Figures 82, 83, 84, 85	1
2009 Upper Talarik	9458	59.92247N	155.27787W	Figures 86, 87, 88	1
2009 S. Fork Koktuli	9459	59.86815N	155.31265W	Figures 89, 90, 91, 92	1
2009 Upper Talarik	9460	59.91815N	155.27762W	Figures 93, 94, 95, 96	1
2009 S. Fork Koktuli	9462	59.87405N	155.30497W	Figures 97, 98, 99, 100	1
2009 Upper Talarik	9454	59.91783N	155.29833W	Figures 101, 102, 103, 104	1
2009 Upper Talarik	9463				
2009 N. Fork Koktuli	9465	59.94058N	155.25373W	Figures 105, 106, 107	1
2009 S. Fork Koktuli	9466	59.88010N	155.31427W	Figures 108, 109, 110, 111	1
2009 Upper Talarik	9470	59.93043N	155.28555W	Figures 112, 113, 114, 115	1
2009 Upper Talarik	9471				

Appendix C.
Photos from field reconnaissance of water source locations.
All GPS coordinates are reported in NAD83.

Water Source for Drillhole: 7362, 8435, and 8437

Location: 59.90282N 155.27623W



Figure 1



Figure 2



Figure 3



Figure 4

Water Source for Drillhole: 7377

Location: 59.90155N 155.25468W



Figure 5



Figure 6



Figure 7

Water Source for Drillhole: 7374 and 7380

Location: 59.89001N 155.27061W



Figure 8



Figure 9



Figure 10



Figure 11

Water Source for Drillhole: 7390 and 7391

Location: 59.89908N 155.31111W



Figure 12



Figure 13



Figure 14



Figure 15



Figure 16



Figure 17



Figure 18



Figure 19



Figure 20



Figure 21



Figure 22



Figure 23



Figure 24



Figure 25



Figure 26



Figure 27

Water Source for Drillhole: 8407

Location: 59.88760N 155.26965W



Figure 28



Figure 29



Figure 30



Figure 31

Water Source for Drillhole: 8412

Location: 59.88968N 155.26125W



Figure 32



Figure 33



Figure 34



Figure 35

Water Source for Drillhole: 8418

Location: 59.89041N 155.27133W



Figure 36



Figure 37



Figure 38



Figure 39

Water Source for Drillhole: 8436

Location: 59.89190N 155.27477



Figure 40



Figure 41



Figure 42



Figure 43

Water Source for Drillhole: 8441

Location: 59.89845N 155.27502W



Figure 44



Figure 45



Figure 46



Figure 47

Water Source for Drillhole: 9457

Location: 59.88987N 155.33177W



Figure 48



Figure 49



Figure 50



Figure 51

Water Source for Drillhole: 9464

Location: 59.90236N 155.32272W



Figure 52



Figure 53



Figure 54



Figure 55

Water Source for Drillhole: 9467

Location: 59.93211N 155.31401W



Figure 56



Figure 57



Figure 58



Figure 59

Water Source for Drillhole: 9469

Location: 59.94281N 155.31773W



Figure 60



Figure 61



Figure 62



Figure 63



Figure 64



Figure 65



Figure 66



Figure 67

Water Source for Drillhole: 9473

Location: 59.91171N 155.34247W



Figure 68



Figure 69



Figure 70



Figure 71



Figure 72



Figure 73



Figure 74



Figure 75

Water Source for Drillhole: 8431 and 8432

Location: 59.89522N 155.30097W



Figure 76



Figure 77



Figure 78



Figure 79



Figure 80



Figure 81



Figure 82



Figure 83



Figure 84



Figure 85

Water Source for Drillhole: 9458

Location: 59.92247N 155.27787W



Figure 86



Figure 87



Figure 88



Figure 89



Figure 90



Figure 91



Figure 92



Figure 93



Figure 94



Figure 95 (stream gage in creek)



Figure 96 (stream gage in creek)

Water Source for Drillhole: 9462

Location: 59.87405N 155.30497W



Figure 97



Figure 98



Figure 99



Figure 100

Water Source for Drillhole: 9454 and 9463

Location: 59.91783N 155.29833W



Figure 101



Figure 102



Figure 103



Figure 104

Water Source for Drillhole: 9465

Location: 59.94058N 155.25373W



Figure 105



Figure 106



Figure 107

Water Source for Drillhole: 9466

Location: 59.880101N 155.31427W



Figure 108



Figure 109



Figure 110



Figure 111

Water Source for Drillhole: 9470 and 9471

Location: 59.93043N 155.28555W



Figure 112



Figure 113



Figure 114



Figure 115

Appendix D.
Field forms utilized during site inspections.

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 8428

Today's Date: 6/15/10

Time: 15:10

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ ° W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59°53.909 ° N 155°18.651 ° W wpt #1

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present:

Ron Benkert (ADF&G)

Jim Vohden (ADNR)

Stephanie Lovell (ADNR)

Kate Malloy (ADF&G)

Gay Harpole (DEC)

Kara Kusche (DEC)

Site Observations

Drillhole

Post/marker in place? Yes No

Is site reclaimed? Yes No

Revegetation growing? Yes No

Casing visible? Yes No

Is site clean? Yes No

Any evidence of spills or contamination? Yes No (if yes, explain in detail)

comments

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 4' WIDE

Vegetation at source vicinity: none grass bushes other (specify): 1.75' DEEP

Aquatic life at water source: none seen present (list)

Any disturbance at water source? NO. UNABLE TO DETECT ANY IMPACTS

Other Comments

WATER SOURCE WPT #1, PHOTOS 1-4

OTHER DRILL HOLES FROM THIS SOURCE

8424, 8428

8425, 8429

8426

8427

PHOTOS 5-6 - DA 8428

Initial when complete: RB

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 7390

Today's Date: 6/15/10

Time: 15:40

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: N 59° 53.886 ° N 155° 18.283 ° W WPT #12

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: _____ ° N _____ ° W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present:

Ron Benkert (ADF&G)
Stephanie Lovell (ADNR)
Gay Harpole (DEC)

Jim Vohden (ADNR)
Kate Malloy (ADF&G)
Kara Kusche (DEC)

Site Observations

Drillhole

Post/marker in place? Yes No

Is site reclaimed? Yes No

Revegetation growing? Yes No

Casing visible? Yes No

Is site clean? Yes No

Any evidence of spills or contamination? Yes No (if yes, explain in detail)

comments

Water Source - SEE 8428 SHEET

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): _____

Vegetation at source vicinity: none grass bushes other (specify):

Aquatic life at water source: none seen present (list)

Any disturbance at water source?

Other Comments

Initial when complete: RS

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 8429

Today's Date: 6/15/10

Time: 15:45

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: 59°53.840 ° N 155°18.303 °W WTP #2

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source ~~SEE 8429~~

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present:

Ron Benkert (ADF&G)

Jim Vohden (ADNR)

Stephanie Lovell (ADNR)

Kate Malloy (ADF&G)

Gay Harpole (DEC)

Kara Kusche (DEC)

Site Observations

Drillhole

Post/marker in place?

Yes No

comments

Is site reclaimed?

Yes No

Revegetation growing?

Yes No - VEG NOT GROWING WELL

Casing visible?

Yes No

Is site clean?

Yes No

Any evidence of spills or contamination?

Yes No (if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): _____

Vegetation at source vicinity: none grass bushes other (specify):

Aquatic life at water source: none seen present (list)

Any disturbance at water source?

Other Comments

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 8432

Today's Date: 6/15/10

Time: 16:00

8431 (SAME WATER SOURCE) PAD NOT INSPECTED

Weather: sunny pt cloudy cloudy other (describe):

light rain rain heavy rain

calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: 59° 53.732 ° N 155° 18.024 ° W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59, 53.713 ° N 155° 18.058 ° W WPT #5

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present:

Ron Benkert (ADF&G)
Stephanie Lovell (ADNR)
Gay Harpole (DEC)

Jim Vohden (ADNR)
Kate Malloy (ADF&G)
Kara Kusche (DEC)

Site Observations

Drillhole

Post/marker in place? Yes No

Is site reclaimed? Yes No

Revegetation growing? Yes No

Casing visible? Yes No

Is site clean? Yes No

Any evidence of spills or contamination? Yes No (if yes, explain in detail)

comments

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 3' WIDE

Vegetation at source vicinity: none grass bushes other (specify): 9" DEEP

Aquatic life at water source: none seen present (list)

Any disturbance at water source? SOME WILLOWS APPEAR TO HAVE BEEN REMOVED

Other Comments

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 9455

Today's Date: 6/15/10

Time: 16:15

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: 59° 52.678 ° N 155° 20.255 ° W WPT # 6

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59° 52.619 ° N 155° 20.403 ° W WPT # 7

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present:

Ron Benkert (ADF&G)

Jim Vohden (ADNR)

Stephanie Lovell (ADNR)

Kate Malloy (ADF&G)

Gay Harpole (DEC)

Kara Kusche (DEC)

Site Observations

Drillhole

Post/marker in place? Yes No

Is site reclaimed? Yes No

Revegetation growing? Yes No

Casing visible? Yes No

Is site clean? Yes No

Any evidence of spills or contamination? Yes No (if yes, explain in detail)

comments

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 2' WIDE

Vegetation at source vicinity: none grass bushes other (specify): 2' DEEP

Aquatic life at water source: none seen present (list)

Any disturbance at water source? NO

Other Comments

SMALL STREAM - WHITE SUBSTRATE

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 9466

Today's Date: 6/15/10

Time: 16:40

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: 59.52.751 ° N 155° 19.376 °W WPT # 8

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59° 52.806 ° N 155° 18.856 °W WPT # 9

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present:

Ron Benkert (ADF&G)
Stephanie Lovell (ADNR)
Gay Harpole (DEC)

Jim Vohden (ADNR)
Kate Malloy (ADF&G)
Kara Kusche (DEC)

Site Observations

Drillhole

Post/marker in place? Yes No

Is site reclaimed? Yes No

Revegetation growing? Yes No

Casing visible? Yes No

Is site clean? Yes No

Any evidence of spills or contamination? Yes No (if yes, explain in detail)

comments

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 52 yds x 91 yds.

Vegetation at source vicinity: none grass bushes other (specify):

Aquatic life at water source: none seen present (list) BEAVER POND

Any disturbance at water source? NO

Other Comments

WATER SOURCE ~ 1/2 MILE DOWNHILL FROM DRILLHOLE.
SOME ALDERS CUT TO MAKE PATH/ROUTE FOR INTAKE HOSE, UPSLOPE
APPROXIMATELY 1/4 MILE FROM WATER SOURCE

Initial when complete: MB

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 9465

Today's Date: 6/15/10

Time: 17:15

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: 59° 56.545' ° N 155° 15.284' ° W WPT # 10

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59° 56.435' ° N 155° 15.224' ° W WPT # 11

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present:

Ron Benkert (ADF&G)

Jim Vohden (ADNR)

Stephanie Lovell (ADNR)

Kate Malloy (ADF&G)

Gay Harpole (DEC)

Kara Kusche (DEC)

Site Observations

Drillhole

Post/marker in place?

Yes No

Is site reclaimed?

Yes No

Revegetation growing?

Yes No

Casing visible?

Yes No

Is site clean?

Yes No

Any evidence of spills or contamination?

Yes No

(if yes, explain in detail)

comments

ONLY PARTIALLY COVERED WITH VEG.
SOME EXPOSED SOILS

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 83 yds x 60 yds

Vegetation at source vicinity: none grass bushes other (specify):

Aquatic life at water source: none seen present (list)

Any disturbance at water source? NONE

Other Comments

Initial when complete: MB

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 9470 } SAME
9471 } LOCATION Today's Date: 6/15/10 Time:

Weather: sunny pt cloudy cloudy other (describe): 17:35
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: 59° 35.856 ° N 155° 16.979 ° W WPT # 12

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59° 55.826 ° N 155° 17.133 ° W WPT # 13

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present:

Ron Benkert (ADF&G)
Stephanie Lovell (ADNR)
Gay Harpole (DEC)

Jim Vohden (ADNR)
Kate Malloy (ADF&G)
Kara Kusche (DEC)

Site Observations

Drillhole

			comments
Post/marker in place?	<u>Yes</u>	No	
Is site reclaimed?	<u>Yes</u>	No	
Revegetation growing?	<u>Yes</u>	No	SOME EXPOSED SOILS
Casing visible?	Yes	<u>No</u>	
Is site clean?	<u>Yes</u>	No	
Any evidence of spills or contamination?	Yes	<u>No</u>	(if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 15' WIDE

Vegetation at source vicinity: none grass bushes other (specify): 3' DEEP

Aquatic life at water source: none seen present (list)

Any disturbance at water source? NONE

Other Comments

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 9463 } SAME Today's Date: 6/15/10 Time: 18:00
9454 } WATER SOURCE

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59° 55.070 ° N 155° 17.900 °W WPT 14

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present: Ron Benkert (ADF&G) Jim Vohden (ADNR)
Stephanie Lovell (ADNR) Kate Malloy (ADF&G)
Gay Harpole (DEC) Kara Kusche (DEC)

Site Observations

<u>Drillhole</u>			<u>comments</u>
Post/marker in place?	Yes	No	
Is site reclaimed?	Yes	No	
Revegetation growing?	Yes	No	
Casing visible?	Yes	No	
Is site clean?	Yes	No	
Any evidence of spills or contamination?	Yes	No	(if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify): 4' WIDE
Approximate dimensions (diameter for pond, width and depth for flowing water): 8" DEEP
Vegetation at source vicinity: none grass bushes other (specify):
Aquatic life at water source: none seen present (list)
Any disturbance at water source? NONE

Other Comments

WATER SOURCE ~ 1/4 MILE DOWNHILL FROM DRILLHOLE

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 9459

Today's Date: 6/16/10

Time: 09:05

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59° 52.089 ° N 155° 18.759 °W WPT #15

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present:

Ron Benkert (ADF&G)
Stephanie Lovell (ADNR)
Gay Harpole (DEC)

Jim Vohden (ADNR)
Kate Malloy (ADF&G)
Kara Kusche (DEC)

Site Observations

Drillhole

Post/marker in place? Yes No
Is site reclaimed? Yes No
Revegetation growing? Yes No
Casing visible? Yes No
Is site clean? Yes No

comments

Any evidence of spills or contamination? Yes No (if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 3' FA WIDE

Vegetation at source vicinity: none grass bushes other (specify): 3" DEEP

Aquatic life at water source: none seen present (list).

Any disturbance at water source? NONE

Other Comments

MARKED WITH LATHE (WS-EX09-AE)

Initial when complete: RB

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 9462

Today's Date: 6/16/10

Time: 09:35

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59° 52.443' ° N 155° 18.298' °W WPT #16

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present: Ron Benkert (ADF&G) Jim Vohden (ADNR)
Stephanie Lovell (ADNR) Kate Malloy (ADF&G)
Gay Harpole (DEC) Kara Kusche (DEC)

Site Observations

<u>Drillhole</u>			<u>comments</u>
Post/marker in place?	Yes	No	
Is site reclaimed?	Yes	No	
Revegetation growing?	Yes	No	
Casing visible?	Yes	No	
Is site clean?	Yes	No	
Any evidence of spills or contamination?	Yes	No	(if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 260' X 135'

Vegetation at source vicinity: none grass bushes other (specify):

Aquatic life at water source: none seen present (list)

Any disturbance at water source? None

Other Comments

NOT MARKED w/ FLAGGIM

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 8444

Today's Date: 6/16/10

Time: 10:00

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59° 53.477 ° N 155° 16.940 °W WPT #17

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present:

Ron Benkert (ADF&G)
Stephanie Lovell (ADNR)
Gay Harpole (DEC)

Jim Vohden (ADNR)
Kate Malloy (ADF&G)
Kara Kusche (DEC)

Site Observations

Drillhole

Post/marker in place?	Yes	No
Is site reclaimed?	Yes	No
Revegetation growing?	Yes	No
Casing visible?	Yes	No
Is site clean?	Yes	No

comments

Any evidence of spills or contamination? Yes No (if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 1000' X 200'

Vegetation at source vicinity: none grass bushes other (specify): Tundra

Aquatic life at water source: none seen present (list)

Any disturbance at water source?

Other Comments

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 9458

Today's Date: 6/16/10

Time: 10:50

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59° 55.348' ° N 155° 16.672' °W WT 18

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present:

Ron Benkert (ADF&G)
Stephanie Lovell (ADNR)
Gay Harpole (DEC)

Jim Vohden (ADNR)
Kate Malloy (ADF&G)
Kara Kusche (DEC)

Site Observations

Drillhole

	Yes	No
Post/marker in place?		
Is site reclaimed?		
Revegetation growing?		
Casing visible?		
Is site clean?		

comments

Any evidence of spills or contamination? Yes No (if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 5' WIDE

Vegetation at source vicinity: none grass bushes other (specify): 8" DEEP

Aquatic life at water source: none seen present (list)

Any disturbance at water source? NONE

Other Comments

Initial when complete: RSB

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 0460

Today's Date: 6/16/10

Time: 11:05

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59° 55.089 ° N 155° 16.637 °W WPT 19

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present:

Ron Benkert (ADF&G)
Stephanie Lovell (ADNR)
Gay Harpole (DEC)

Jim Vohden (ADNR)
Kate Malloy (ADF&G)
Kara Kusche (DEC)

Site Observations

Drillhole

Post/marker in place? Yes No
Is site reclaimed? Yes No
Revegetation growing? Yes No
Casing visible? Yes No
Is site clean? Yes No

comments

Any evidence of spills or contamination? Yes No (if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 10' wide

Vegetation at source vicinity: none grass bushes other (specify): 1' DEAD

Aquatic life at water source: none seen present (list)

Any disturbance at water source? none

Other Comments

ADJACENT TO UT 100E

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 7362W

Today's Date: 6/16/10

Time: 1035

+8435W + 8437W

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ ° W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59.90282 ° N 155.27623 ° W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present: Ron Benkert (ADF&G) Jim Vohden (ADNR)
Stephanie Lovell (ADNR) Kate Malloy (ADF&G)
Gay Harpole (DEC) Kara Kusche (DEC)

Site Observations

Drillhole			comments
Post/marker in place?	Yes	No	
Is site reclaimed?	Yes	No	
Revegetation growing?	Yes	No	
Casing visible?	Yes	No	
Is site clean?	Yes	No	
Any evidence of spills or contamination?	Yes	No	(if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 100ft x 300ft

Vegetation at source vicinity: none grass bushes other (specify): tundra/shrub

Aquatic life at water source: none seen present (list)

Any disturbance at water source? NO

Other Comments

Jim put in stakes for DNR
left from bank of pond - to see if edge of pond
migrates (per T. Crawford)

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 7374W

Today's Date: 6/16/10

Time: 815

7380W 7386W

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59.89001 ° N 155.27061 °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present: Ron Benkert (ADF&G) Jim Vohden (ADNR)
Stephanie Lovell (ADNR) Kate Malloy (ADF&G)
Gay Harpole (DEC) Kara Kusche (DEC)

Site Observations

Drillhole			comments
Post/marker in place?	Yes	No	
Is site reclaimed?	Yes	No	
Revegetation growing?	Yes	No	
Casing visible?	Yes	No	
Is site clean?	Yes	No	
Any evidence of spills or contamination?	Yes	No	(if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 300ft x 1200ft

Vegetation at source vicinity: none grass bushes other (specify): fu ndra

Aquatic life at water source: none seen present (list)

Any disturbance at water source? no

Other Comments

same pond as 8407 + 7388

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 7388W

Today's Date: 6/16/10

Time: 807

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59.88855 ° N 155.26991 °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present: Ron Benkert (ADF&G) Jim Vohden (ADNR)
Stephanie Lovell (ADNR) Kate Malloy (ADF&G)
Gay Harpole (DEC) Kara Kusche (DEC)

Site Observations

Table with columns: Drillhole, Post/marker in place?, Is site reclaimed?, Revegetation growing?, Casing visible?, Is site clean?, Any evidence of spills or contamination?, Yes, No, (if yes, explain in detail). The table is crossed out with a large diagonal line.

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 300ft x 150ft

Vegetation at source vicinity: none grass bushes other (specify): tundra

Aquatic life at water source: none seen present (list) - flock of water birds

Any disturbance at water source? Flying over pond

Other Comments

Same pond as 8407W

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole # ~~7390W +~~
7391W

Today's Date: 6/15/10

Time: 1500

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59.89908 ° N 155.31111 °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present: Ron Benkert (ADF&G)
Stephanie Lovell (ADNR)
Gay Harpole (DEC)

Jim Vohden (ADNR)
Kate Malloy (ADF&G)
Kara Kusche (DEC)

Site Observations

Drillhole

~~Post/marker in place? Yes No
Is site reclaimed? Yes No
Revegetation growing? Yes No
Casing visible? Yes No
Is site clean? Yes No~~

comments

Any evidence of spills or contamination? Yes No (if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 200ft x 300ft

Vegetation at source vicinity: none grass bushes other (specify):

Aquatic life at water source: none seen present (list)

Any disturbance at water source? NO

Other Comments

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: ~~7392W and 7397W~~ Today's Date: 6/15/10

Time: 1456

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ ° W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59.89899 ° N 155.31123 ° W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present: Ron Benkert (ADF&G) Jim Vohden (ADNR)
Stephanie Lovell (ADNR) Kate Malloy (ADF&G)
Gay Harpole (DEC) Kara Kusche (DEC)

Site Observations

<u>Drillhole</u>			<u>comments</u>
Post/marker in place?	Yes	No	
Is site reclaimed?	Yes	No	
Revegetation growing?	Yes	No	
Casing visible?	Yes	No	
Is site clean?	Yes	No	
Any evidence of spills or contamination?	Yes	No	(if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 200ft x 300ft

Vegetation at source vicinity: none grass bushes other (specify):

Aquatic life at water source: none seen present (list)

Any disturbance at water source? no

Other Comments

grassy wetland area/perimeter of lake

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 7399W Today's Date: 6/15/10 Time: 1447

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59.89938 ° N 155.31102 °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present: Ron Benkert (ADF&G) Jim Vohden (ADNR)
Stephanie Lovell (ADNR) Kate Malloy (ADF&G)
Gay Harpole (DEC) Kara Kusche (DEC)

Site Observations

<u>Drillhole</u>			<u>comments</u>
Post/marker in place?	Yes	No	
Is site reclaimed?	Yes	No	
Revegetation growing?	Yes	No	
Casing visible?	Yes	No	
Is site clean?	Yes	No	
Any evidence of spills or contamination?	Yes	No	(if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 200ft x 300ft

Vegetation at source vicinity: none grass bushes other (specify):

Aquatic life at water source: none seen present (list)

Any disturbance at water source? NO

Other Comments

Small creek draining into pond
foam at shore

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 8403W

Today's Date: 6/16/10

Time: 1059

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59.910347 ° N 155.26170 °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present: Ron Benkert (ADF&G) Jim Vohden (ADNR)
Stephanie Lovell (ADNR) Kate Malloy (ADF&G)
Gay Harpole (DEC) Kara Kusche (DEC)

Site Observations

Drillhole			comments
Post/marker in place?	Yes	No	
Is site reclaimed?	Yes	No	
Revegetation growing?	Yes	No	
Casing visible?	Yes	No	
Is site clean?	Yes	No	
Any evidence of spills or contamination?	Yes	No	(if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify): Swampy area w/ ponds
Approximate dimensions (diameter for pond, width and depth for flowing water): _____
Vegetation at source vicinity: none grass bushes other (specify):
Aquatic life at water source: none seen present (list)
Any disturbance at water source? see photos of where equip had been on grass

Other Comments

appears to be at location of DH 7365

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 8404w

Today's Date: 6/16/10

Time: 9:11

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59.89521 ° N 155.27789 °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present: Ron Benkert (ADF&G) Jim Vohden (ADNR)
Stephanie Lovell (ADNR) Kate Malloy (ADF&G)
Gay Harpole (DEC) Kara Kusehe (DEC)

Site Observations

Drillhole			comments
Post/marker in place?	Yes	No	
Is site reclaimed?	Yes	No	
Revegetation growing?	Yes	No	
Casing visible?	Yes	No	
Is site clean?	Yes	No	
Any evidence of spills or contamination?	Yes	No	(if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify): complex of small ponds & flowing water

Approximate dimensions (diameter for pond, width and depth for flowing water): _____

Vegetation at source vicinity: none grass bushes other (specify):

Aquatic life at water source: none seen present (list)

Any disturbance at water source? no

Other Comments

Creek
2 ft wide
where
channel is
defined

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 8407W

Today's Date: 6/16/10

Time: 759

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59.28760 ° N 155.26965 °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present: Ron Benkert (ADF&G)
Stephanie Lovell (ADNR)
Gay Harpole (DEC)

Jim Vohden (ADNR)
Kate Malloy (ADF&G)
Kara Kusche (DEC)

Site Observations

Drillhole

Post/marker in place? Yes No
Is site reclaimed? Yes No
Revegetation growing? Yes No
Casing visible? Yes No
Is site clean? Yes No

comments

Any evidence of spills or contamination? Yes No (if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 200ft x 1500ft

Vegetation at source vicinity: none grass bushes other (specify): tan alra

Aquatic life at water source: none seen present (list)

Any disturbance at water source? no

Other Comments

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 3412W

Today's Date: 6/16/10

Time: 848

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59.889168 ° N 155.24125 °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present: Ron Benkert (ADF&G) Jim Vohden (ADNR)
Stephanie Lovell (ADNR) Kate Malloy (ADF&G)
Gay Harpole (DEC) Kara Kusche (DEC)

Site Observations

Drillhole			comments
Post/marker in place?	Yes	No	
Is site reclaimed?	Yes	No	
Revegetation growing?	Yes	No	
Casing visible?	Yes	No	
Is site clean?	Yes	No	
Any evidence of spills or contamination?	Yes	No	(if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 40ft x 40ft

Vegetation at source vicinity: none grass bushes other (specify):

Aquatic life at water source: none seen present (list) - Aquatic veg in pond

Any disturbance at water source?

grass
black/purple
figer

Other Comments

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 8418W

Today's Date: 6/16/10

Time: 823

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59.89041 ° N 155.27133 °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present: Ron Benkert (ADF&G) Jim Vohden (ADNR)
Stephanie Lovell (ADNR) Kate Malloy (ADF&G)
Gay Harpole (DEC) Kara Kusche (DEC)

Site Observations

Drillhole			comments
Post/marker in place?	Yes	No	
Is site reclaimed?	Yes	No	
Revegetation growing?	Yes	No	
Casing visible?	Yes	No	
Is site clean?	Yes	No	
Any evidence of spills or contamination?	Yes	No	(if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 300ft x 150ft

Vegetation at source vicinity: none grass bushes other (specify): lundra

Aquatic life at water source: none seen present (list)

Any disturbance at water source? NO

Other Comments

Same as pond as prev. data sheets

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 8434W

Today's Date: 6/16/10

Time: 1134

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59.89666 ° N 155.27843 °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present: Ron Benkert (ADF&G) Jim Vohden (ADNR)
Stephanie Lovell (ADNR) Kate Malloy (ADF&G)
Gay Harpole (DEC) Kara Kusche (DEC)

Site Observations

Drillhole comments
Post/marker in place? Yes No
Is site reclaimed? Yes No
Revegetation growing? Yes No
Casing visible? Yes No
Is site clean? Yes No
Any evidence of spills or contamination? Yes No (if yes, explain in detail)

Water Source

Source description: pond b/w 2 ponds flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): _____

Vegetation at source vicinity: none grass bushes other (specify):

Aquatic life at water source: none seen present (list)

Any disturbance at water source?

Other Comments

Several 2x4s left near site

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 8436W

Today's Date: 6/16/10

Time: 835

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59.89190 ° N 155.27477 °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present: Ron Benkert (ADF&G) Jim Vohden (ADNR)
Stephanie Lovell (ADNR) Kate Malloy (ADF&G)
Gay Harpole (DEC) Kara Kusche (DEC)

Site Observations

Drillhole			comments
Post/marker in place?	Yes	No	
Is site reclaimed?	Yes	No	
Revegetation growing?	Yes	No	
Casing visible?	Yes	No	
Is site clean?	Yes	No	
Any evidence of spills or contamination?	Yes	No	(if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): _____

Vegetation at source vicinity: none grass bushes other (specify): tundra

Aquatic life at water source: none seen present (list)

Any disturbance at water source? NO

Other Comments

narrow end of larger pond
75ft x 400ft.

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 8441W

Today's Date: 6/16/10

Time: 932

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59.89845 ° N 155.27502 °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present: Ron Benkert (ADF&G) Jim Vohden (ADNR)
Stephanie Lovell (ADNR) Kate Malloy (ADF&G)
Gay Harpole (DEC) Kara-Kusche (DEC)

Site Observations

Drillhole			comments
Post/marker in place?	Yes	No	
Is site reclaimed?	Yes	No	
Revegetation growing?	Yes	No	
Casing visible?	Yes	No	
Is site clean?	Yes	No	
Any evidence of spills or contamination?	Yes	No	(if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 200ft x 600ft

Vegetation at source vicinity: none grass bushes other (specify):

Aquatic life at water source: none seen present (list)

Any disturbance at water source? NO

Other Comments

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: ~~9473W~~ ^{km} 9457W Today's Date: 6/15/10 Time: 1627

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W
GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59.88987 ° N 155.33177 °W
GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present: Ron Benkert (ADF&G) Jim Vohden (ADNR)
Stephanie Lovell (ADNR) Kate Malloy (ADF&G)
Gay Harpole (DEC) Kara Kusche (DEC)

Site Observations

Drillhole			comments
Post/marker in place?	Yes	No	
Is site reclaimed?	Yes	No	
Revegetation growing?	Yes	No	
Casing visible?	Yes	No	
Is site clean?	Yes	No	
Any evidence of spills or contamination?	Yes	No	(if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):
Approximate dimensions (diameter for pond, width and depth for flowing water): ~~125ft x 250ft~~ ^{km}
Vegetation at source vicinity: none grass bushes other (specify): 125ft x 250ft
Aquatic life at water source: none seen present (list)
Any disturbance at water source?

Other Comments NO

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 9964W

Today's Date: 6/15/10

Time: 1548

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59.90236 ° N 155.32272 °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present: Ron Benkert (ADF&G)
Stephanie Lovell (ADNR)
Gay Harpole (DEC)

Jim Vohden (ADNR)
Kate Malloy (ADF&G)
Kara Kusche (DEC)

Site Observations

<u>Drillhole</u>			<u>comments</u>
Post/marker in place?	Yes	No	
Is site reclaimed?	Yes	No	
Revegetation growing?	Yes	No	
Casing visible?	Yes	No	
Is site clean?	Yes	No	
Any evidence of spills or contamination?	Yes	No	(if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 300ft x 300ft

Vegetation at source vicinity: none grass bushes other (specify):

Aquatic life at water source: none seen present (list)

Any disturbance at water source? NO

Other Comments

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 9467W

Today's Date: 6/15/10

Time: 1725

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59.93211 ° N 155.31401 °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present: Ron Benkert (ADF&G) Jim Vohden (ADNR)
Stephanie Lovell (ADNR) Kate Malloy (ADF&G)
Gay Harpole (DEC) Kara Kusche (DEC)

Site Observations

Drillhole			comments
Post/marker in place?	Yes	No	
Is site reclaimed?	Yes	No	
Revegetation growing?	Yes	No	
Casing visible?	Yes	No	
Is site clean?	Yes	No	
Any evidence of spills or contamination?	Yes	No	(if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 250ft x 400ft

Vegetation at source vicinity: none grass bushes other (specify):

Aquatic life at water source: none seen present (list)

Any disturbance at water source? - No - beavers?

prevents beaver activity

Other Comments

5-10ft
gray
near lake
edge
12/10/09
dry

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 9469W

Today's Date: 6/15/10

Time: 1659

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59.94281 ° N 155.31773 °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present:

Ron Benkert (ADF&G)

Jim Vohden (ADNR)

Stephanie Lovell (ADNR)

Kate Malloy (ADF&G)

Gay Harpole (DEC)

Kara Kusche (DEC)

Site Observations

Drillhole			comments
Post/marker in place?	Yes	No	
Is site reclaimed?	Yes	No	
Revegetation growing?	Yes	No	
Casing visible?	Yes	No	
Is site clean?	Yes	No	
Any evidence of spills or contamination?	Yes	No	(if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 150 ft x 1000 ft

Vegetation at source vicinity: none grass bushes other (specify):

Aquatic life at water source: none seen present (list) swan

Any disturbance at water source? no 2 ducks

Other Comments

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 9472W Today's Date: 6/15/10 Time: 17:46

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59.91754 ° N 155.30548 °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present: Ron Benkert (ADF&G) Jim Vohden (ADNR)
Stephanie Lovell (ADNR) Kate Malloy (ADF&G)
Gay Harpole (DEC) Kara Kusche (DEC)

Site Observations

Drillhole			comments
Post/marker in place?	Yes	No	
Is site reclaimed?	Yes	No	
Revegetation growing?	Yes	No	
Casing visible?	Yes	No	
Is site clean?	Yes	No	
Any evidence of spills or contamination?	Yes	No	(if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify): 2 ft wide
Approximate dimensions (diameter for pond, width and depth for flowing water): 6-12 inches
Vegetation at source vicinity: none grass bushes other (specify): deep
Aquatic life at water source: none seen present (list)
Any disturbance at water source? NO

Other Comments

State of Alaska

Pebble Project Unpermitted Water Withdrawals Site Inspection

Circle appropriate items, add detailed text where necessary

June 2010 Field Form

Drillhole #: 9473W

Today's Date: 6/15/10

Time: 1606

Weather: sunny pt cloudy cloudy other (describe):
light rain rain heavy rain
calm breezy windy gusty

Location of drillhole (use decimal degrees)

GPS lat/long: _____ ° N _____ °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Location of actual water source

GPS lat/long: 59.9111 ° N 155.34247 °W

GPS datum (circle one): WGS84 NAD27AK NAD83 other (specify):

Field crew present: Ron Benkert (ADF&G) Jim Vohden (ADNR)
Stephanie Lovell (ADNR) Kate Malloy (ADF&G)
Gay Harpole (DEC) Kara Kusche (DEC)

Site Observations

Drillhole	Yes	No	comments
Post/marker in place?			
Is site reclaimed?			
Revegetation growing?			
Casing visible?			
Is site clean?			
Any evidence of spills or contamination?	Yes	No	(if yes, explain in detail)

Water Source

Source description: pond flowing water other (specify):

Approximate dimensions (diameter for pond, width and depth for flowing water): 100ft x 200ft

Vegetation at source vicinity: none grass bushes other (specify):

Aquatic life at water source: none seen present (list)

Any disturbance at water source? NO

Other Comments