



INSPECTION REPORT: GREENS CREEK MINE

Tongass National Forest Minerals Group
8510 Mendenhall Loop Rd
Juneau, AK 99801
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Date of Inspection: Thursday, August 06, 2015
Date of Report: Friday, August 14, 2015
USDA Forest Service Inspector: Curtis Caton

Ranger District: Admiralty National Monument, Juneau Ranger District
Weather Conditions: Light rain. Temperatures: 60's (°F).

Exploration in accordance with operating plan	Not Applicable
Timber removal following timber sale contract	Not Applicable
BMP for erosion control	Satisfactory
Water Quality BMP	Satisfactory
Public safety & fire prevention	Satisfactory
Reclamation work adequate and timely	Satisfactory
Roads maintenance adequate and current	Satisfactory
Tails placement in accordance with plan	Satisfactory
Waste Rock placement in compliance	Satisfactory
Company supervision of operation	Satisfactory
Operating in a clean and orderly manner	Satisfactory

Any conditions noted as UNSATISFACTORY will require follow up action by the Mine Inspector and a written memorandum to the operator, outlining the necessary work.

NEW REMARKS

Ward Air De Havilland Beaver provided transport.

Mitch Brooks (Environmental Engineer, Hecla Greens Creek Mining Company) accompanied David Wilfong (Engineer, ADNR), Matthew Reece (Minerals Program Manager, US Forest Service), Derek Isles (Intern, US Forest Service), and Curtis Caton (Geologist, US Forest Service) on this inspection.

The site inspection included the A and B access roads, Young Bay, Pit 7, A Road Sandpit, 1350, 920, Site 23, Tailings Disposal Facility (TDF), and Site E.

ACTION ITEMS

- **No action items were documented during this inspection**

YOUNG BAY

No recent activity to report at Young Bay, surrounding area is well maintained, neat, and orderly.

PIT 7

Canada thistle has germinated at Pit 7. HGCMC has begun manual pulling to mitigate the spread of the invasive plant species. Mitch pulled several small plants during the inspection (Photo 01).

SAND PIT





Heavy equipment continues to excavate and sort material for use during construction projects on site (Photo 02).

1350

No recent activity to report at the 1350, surrounding area has stabilized from reclamation activities last season (Photo 03).

920

Heavy-duty shelving has been installed within the recently constructed storage area that is located along the exterior of the 920 warehouse. The improved storage area and reorganization of the warehouse yard has been a major improvement that will keep the area clean and orderly. All items in storage have been labeled and all liquids have been stored properly within secondary containment (Photo 04).

TAILINGS DISPOSAL FACILITY

Heavy equipment continues to grub and strip the vegetative layer off to the underlying sediment layer within the TDF expansion area. After vegetative stripping, underdrains constructed of Geotextile Permeatex liner and coarse rocks are added before installation of the impervious HDPE liner. The HDPE liner will prevent both ground water infiltration into the TDF and exfiltration of contact water into the environment (Photo 05-06).

SITE E

According to HGCMC 2014 Annual Inactive Report , approximately 168,600 yards of waste rock was stored at Site E. HGCMC has removed 20,498 cubic yards of this material, leaving approximately 148,102 cubic yards at Site E. The material was removed from Site E for construction of a berm within the TDF that will be used to retain peat that was excavated from the stage 3 phase 1 expansion area (Photo 07).

FOLLOW UP ITEMS

- **Exploration drill sites**

PHOTOS

(Images available upon request)





Photo 01. Canada thistle at Pit 7.



Photo 02. A-Road Sand Pit.



Photo 03. 1350 reclamation area.



Photo 04. 920 warehouse yard.



Photo 05. TDF expansion area.



Photo 06. TTF expansion, underdrain construction.



Photo 07. Site E.

Thanks to HGCMC for a safe visit.
U.S. Forest Service Officer: /s/ Curtis Caton
