

Gravel Summit

Current Mineral Materials Management in the Dalton Corridor



**2011
Riprap and Crushed
Stone Production
DHMP 87**

**Central Yukon Resource Management Plan (CYRMP)
Public Meeting, Fairbanks District Office - March 31, 2015**

Historical Sites in the Corridor

Historic Disturbances – 1972-2014. Includes reclaimed and current materials disturbances:

27 Sites “Active” -Mined 2004-2014	18 Sites “Inactive” -No Mining 2004-2014	46 Sites* “Closed”	Total 91 Sites
962 acres	364 acres	1,759 acres	3,085 acres
1.5 square miles	0.6 square miles	2.7 square miles (Roughly)	4.8 square miles (Roughly)

* area of disturbance data is suspect for many sites used only during construction and then closed (c. 1978)

Note: 2 additional State-run gravel pits in Coldfoot Area not tabulated.

Current Material Sites in the Corridor

52 current BLM material sites - includes 18 “inactive” sites that are being evaluated for closure:

- 25 **Sand and Gravel Pits**
- 20 **Rock Pits**, of which
 - 5 pits contain a moderate or high **quality material suitable for larger dimension rip rap or armorstone** production; generally produced by blasting (quarrying)
 - 15 remaining rock pits are generally soft/weathered bedrock or colluvium which is suitable for ‘**common rock**’; often produced by dozer ripping or simple load and haul methods.
- 7 exploration sites (**unopened** sand and gravel pits)

Current Management in the Corridor

74 authorizations which BLM manages in the 52 current sites:

- 49 ADOT Free Use Permits (FUPs); including 3 pending authorizations
- 23 Alyeska Pipeline Service Company (APSC) Contract Sales for TAPS (Cost Reimbursement)
- 4 Exploration Permits
- 2 Contract Sales (Cost Recovery)

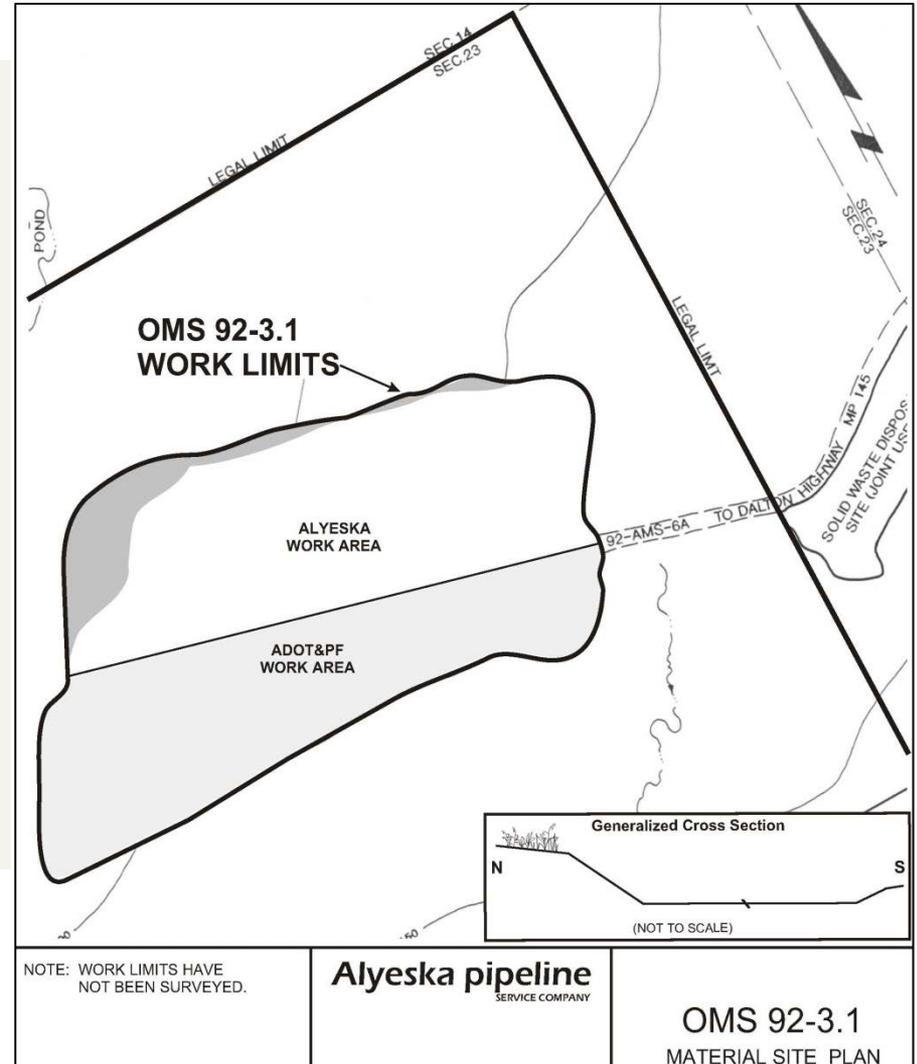


Riprap and Crushed
Stone Staging Area
DHMP 261

Current Management in the Corridor

'Dual Use' Sites

- 20 sites where both APSC and DOT have authorizations to operate
- Either from the same face in the pit, or pits are separated by user.



Materials Production in the Corridor

(cubic yards)

	Sand and Gravel	Lower Quality Common Rock	Higher Quality Riprap & Crush	Total
ADOT 2007-14	1,400,000	59,000	43,000	<i>1,502,000</i>
APSC 2004-2013	232,000	55,000	93,000	<i>380,000</i>
Other users 2007-14	10,000	3,000	9,000	<i>22,000</i>
Totals	<i>1,642,000</i>	<i>117,000</i>	<i>145,000</i>	

Materials Production in the Corridor

(cubic yards)

Average annual Production	
ADOT 2007-14	190,000
APSC 2004-2013	38,000
Other users 2007-14	3,000

High Use Sites: 2004-2014

Sand and Gravel Production

Total of 1,000,000 cy from three sites:

Gold Ck	DHMP 197.3	MS 65-9-052-2	OMS 102-1	420,000 cy
South Galbraith-new	DHMP 274.7	MS 65-9-104-2	None	320,000 cy
Minnie Ck.	DHMP 186.5	MS 65-9-051-2	OMS 100-1.2	227,000 cy

'Common Rock'

Total of 86,000 cy from three sites:

Phelps Ck	DHMP 064.7	MS 65-9-029-2	OMS 079-2	46,000 cy
South Fork Koyukuk	DHMP 154.1	MS 65-9-048-2	OMS 094-0.2	20,000 cy
Overlook/Interp. Site	DHMP 086.5	Ms 65-9-030-2	OMS 083-1	20,000 cy

'Quality' Rock Pits (Riprap, Armorstone, Crush rock)

Total of 138,000 cy from three sites:

Conglomerate Pit	DHMP 261	MS 65-9-021-2	OMS 112-3.1	55,000 cy
Wiseman Rock Pit	DHMP 185.9	MS 65-9-090-2	OMS 100-2.1	48,000 cy
Marble Pit	DHMP 221.8	MS 65-9-089-2	OMS 106-1.1	34,000 cy

Current Use in the Corridor

OK - that's a lot of numbers, but here's the takeaways:

- On the order of 2,500,000 cubic yards mined since 2004.
 - Accounts for over two-thirds of all materials mined on BLM-AK lands
- For roughly the last decade:
 - 220,000 cubic yards produced annually
 - Generally 2 to 4 sites are actively producing in a given year
- Site Useage
 - as a simple average, there is an authorized pit every 5 miles along the Dalton Highway
 - of the 45 current sites, 18 have seen no actual production activity since at least 2004 and will be evaluated for reclamation and closure

Future Use in the Corridor

ADOT&PF for Maintenance and Construction

APSC in support of TAPS

Alaska Stand Alone Gas Pipeline (ASAP)

AK Liquefied Natural Gas (AK LNG)

Other Projects and Community Use



Sand and Gravel
Production
DHMP 224