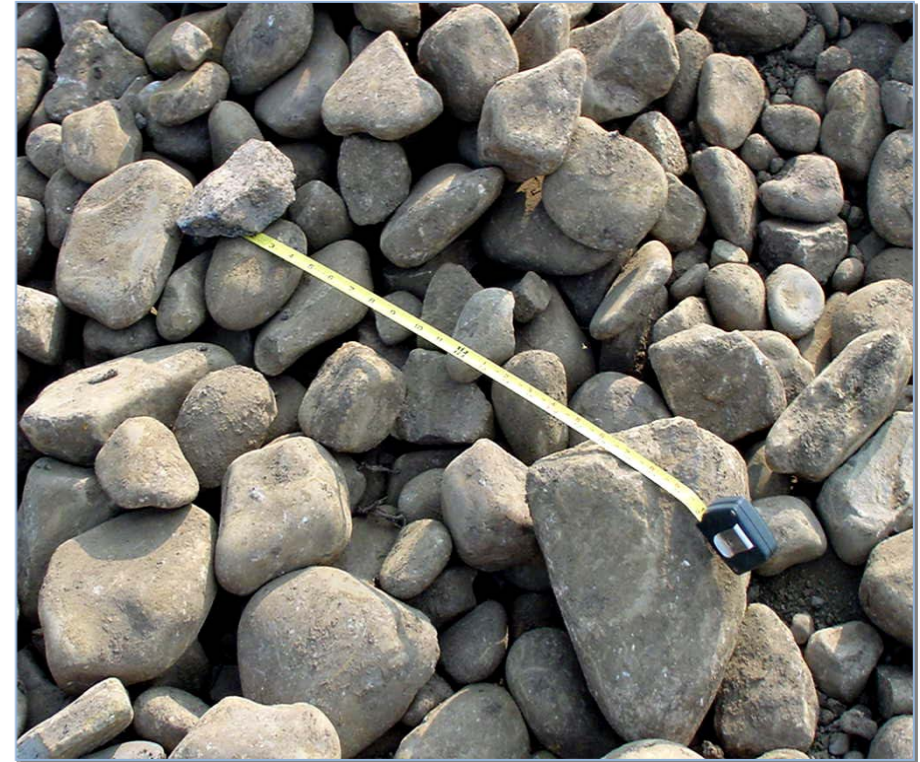


TERRITORIAL GRANULAR STRATEGY

TERRITORIAL GRANULAR RESOURCE FORECAST

June 2015 UPDATE



Prepared by:

Interdepartmental Granular and Environmental Remediation Committee (IGERC):

**Department of Public Works and Services
Department of Municipal and Community Affairs
Department of Transportation
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TERRITORIAL GRANULAR RESOURCE FORECAST SUMMARY TABLES

There are two summary tables for each region. One table recaps multi-user granular acquisition opportunities specific to each community that can be used by municipal governments and other potential stakeholders to coordinate granular supply operations to achieve economies of scale for the procurement of granular materials. The second table provides territorial and community granular demand estimates to assist Territorial Governments in the planning and acquisition of granular materials. Tables are continually updated to reflect current information as it becomes available. This update is current as of June 30, 2015.

- In Tables 1, 3, 5, 7 and 9, the GNWT departments and NWT HC that will require gravel for Capital Projects and community Resource and Infrastructure Development Opportunities are listed under each year from 2015 - 2018. Those users that may require gravel for proposed work are marked with an 'X' under each year. Using *Table 3* and the community of *Tulita* as an example in 2015/2016, the settlement has an opportunity to coordinate and acquire municipal granular requirements (if any) with PWS.
- In Tables 2, 4, 6, 8, and 10, a brief summary section on the granular supply status specific to each community is shown followed by granular quantity estimates for community capital projects (CCP), combined GNWT project needs and the NWT HC requirements, under each year from 2015 – 2018. Using *Table 2* and the community of *Aklavik* for 2015 - 2018, bulk volume granular demand quantity estimates are given for proposed community capital projects (CCP), the GNWT and the NWT HC. In some cases, a community may not require granular material for capital or O&M projects in a specific year but should still consider for future requirements, collaborating with those stakeholders that do, so that economies of scale will provide a more cost-effective supply.
- By the very nature of the capital planning process, changes in the GNWT Infrastructure Acquisition Plan and municipal government priorities will impact on the current participation of any stakeholder and the estimated granular quantities shown in the tables for any given year.
- The *Environmental Project (ENVP)* column indicates an ongoing project related to Environmental Site Assessments or Site Remediation that has been implemented by an GNWT department such as PWS in *Tsiigehtchic* 2015 -2016.
- All granular volume estimates represent total bulk volume quantities and are in cubic metre (m³).

TABLE 1: INUVIK REGION USER ACQUISITION FORECAST

COMMUNITY	2015/2016								2016/2017								2017/2018							
	DOT	EC&E	ENR	H&SS	IT&I	NWTHC	PWS	ENVP	DOT	EC&E	ENR	H&SS	IT&I	NWTHC	PWS	ENVP	DOT	EC&E	ENR	H&SS	IT&I	NWTHC	PWS	ENVP
Aklavik	X							X								X								
Tuktoyaktuk	X			X			X	X								X								
Sachs Harbour							X																	
Ulukhoktok														X									X	
Paulatuk				X							X			X									X	
Tsiigehtchic							X	X											X					
Fort McPherson																								

TABLE 2: INUVIK REGION GRANULAR DEMAND ESTIMATE FORECAST

CCP = Community Capital Projects including Building Canada Plan (BCP) Projects.

COMMUNITY	Summary			2015/2016				2016/2017				2017/2018			
	Resupply	Current Supply	Future Issues	CCP	GNWT	NWTHC	TOTAL	CCP	GNWT	NWTHC	TOTAL	CCP	GNWT	NWTHC	TOTAL
Aklavik	Seasonal	Insufficient	Yes	5000	*TBD	700	5700		*TBD			6000	*TBD		6000
Tuktoyaktuk	Seasonal	Marginal	Yes	800	***2000		2800	5250	***TBD		5250	700	***TBD		700
Sachs Harbour	Seasonal	Marginal	No	2000	3100		5,100	2050			2050	1050			1050
Ulukhoktok	Seasonal	Sufficient	No	800			800	2000	**TBD		2000	4000	**TBD		4000
Paulatuk	As & When	Sufficient	No	2000	1100		3100	7200	3000		10,200	4100			4100
Tsiigehtchic	As & When	Insufficient	Yes	5100	1500		6600	4050			4050	1625	1100		2725
Fort McPherson	As & When	Marginal	No	875			875	875			875				

* plus DOT - Road to Richardson Mtn (quantities TBD) **PWS/PPD Tank Farm Upgrade ***DOT/PWS – possible runway stabilization plus remediation school site

TABLE 3: SAHTU REGION USER ACQUISITION FORECAST

COMMUNITY	2015/2016							2016/2017							2017/2018										
	DOT	EC&E	ENR	H&SS	IT&I	NWTHC	PWS	ENVP	DOT	EC&E	ENR	H&SS	IT&I	NWTHC	PWS	ENVP	DOT	EC&E	ENR	H&SS	IT&I	NWTHC	PWS	ENVP	
Colville Lake																									
Fort Good Hope																									
Deline																									
Tulita							X																		

TABLE 4: SAHTU REGION GRANULAR DEMAND ESTMATE FORECAST

COMMUNITY	Summary			2015/2016				2016/2017				2017/2018			
	Resupply	Current Supply	Future Issues	CCP	GNWT	NWTHC	TOTAL	CCP	GNWT	NWTHC	TOTAL	CCP	GNWT	NWTHC	TOTAL
Collville Lake	As & when	Sufficient	No	3610			3610	1110			1110	2050			2050
Fort Good Hope	As & When	Sufficient	No	1675			1675	750			750	750			750
Deline	As & When	Sufficient	Yes	750			750	2700			2700	1150			1150
Tulita	Seasonal	Insufficient	Yes	2050	*1,000		3,050	450	*TBD		450				

*Biomass Foundations/School -

TABLE 5: DEH CHO REGION PROPOSED USER ACQUISITION FORECAST

COMMUNITY	2015/2016							2016/2017							2017/2018									
	DOT	EC&E	ENR	H&SS	IT&I	NWTHC	PWS	ENVP	DOT	EC&E	ENR	H&SS	IT&I	NWTHC	PWS	ENVP	DOT	EC&E	ENR	H&SS	IT&I	NWTHC	PWS	ENVP
Wrigley																								
Nahanni Butte	X							X									X							
Fort Laird	X							X																
Trout Lake																								
Jean Marie River	X							X			X													
Fort Providence				X																				
Kakisa																								

TABLE 6: DEH CHO REGION GRANULAR DEMAND ESTIMATE FORECAST

CCP = Community Capital Projects including Building Canada Plan (BCP) Projects.

COMMUNITY	Summary			2015/2016				2016/2017				2017/2018			
	Resupply	Current Supply	Future Issues	CCP	GNWT	NWTHC	TOTAL	CCP	GNWT	NWTHC	TOTAL	CCP	GNWT	NWTHC	TOTAL
Wrigley	As & When	Sufficient	No												
Nahanni Butte	Seasonal	Insufficient	Yes		***1500		1500	1050	**1500		2550	250	**TBD		250
Fort Laird	As & When	Sufficient	No		*TBD				*TBD						
Trout Lake	Seasonal	Insufficient	Yes												
Jean Marie River	As & When	Insufficient	Yes	700	^3400		4100	700	^3800		4500				
Fort Providence	As & When	Marginal	Yes	1100	1100		2200	3000			3000	875			875
Kakisa	As & When	Marginal	Yes	1100			1100								

*DOT 5.3 Km Access Road Surfacing and – Granular TBD **DOT Access Road Upgrade Granular TBD

^DOT – granular mostly 27 km access road

TABLE 7: NORTH SLAVE REGION USER ACQUISITION FORECAST

COMMUNITY	2015/2016							2016/2017							2017/2018									
	DOT	EC&E	ENR	H&SS	IT&I	NWTHC	PWS	ENVP	DOT	EC&E	ENR	H&SS	IT&I	NWTHC	PWS	ENVP	DOT	EC&E	ENR	H&SS	IT&I	NWTHC	PWS	ENVP
Behchoko																								
Whati							X																	
Gameti																								
Wekweti																								
Lutsel K'e																								
Dettah	X																							

TABLE 8: NORTH SLAVE REGION GRANULAR DEMAND ESTIMATE FORECAST

CCP = Community Capital Projects including Building Canada Plan (BCP) Projects.

COMMUNITY	Summary			2015/2016				2016/2017				2017/2018			
	Resupply	Current Supply	Future Issues	CCP	GNWT	NWTHC	TOTAL	CCP	GNWT	NWTHC	TOTAL	CCP	GNWT	NWTHC	TOTAL
Behchoko	As & When	Marginal	Yes		**TBD										
Whati	As & When	Sufficient	No		*2000 **TBD		2000								
Gameti	As & When	Sufficient	No	1800	**TBD		1800	1200			1200				
Wekweeti	Seasonal	Insufficient	Yes	1050	**TBD		1050	1050			1050				
Lutsel K'e	Seasonal	Insufficient	Yes	2450		500	2950	2450			2450	2250			2250
Dettah	As & When	Sufficient	No	1800			1800	4250			4250				

*Tank Farm Capacity Increase

** Tlicho government provided Tlicho communities funding for R/S/L – granular requirements TBD

TABLE 9: SOUTH SLAVE REGION USER ACQUISITION FORECAST

COMMUNITY	2015/2016							2016/2017							2017/2018									
	DOT	EC&E	ENR	H&SS	IT&I	NWTHC	PWS	ENVVP	DOT	EC&E	ENR	H&SS	IT&I	NWTHC	PWS	ENVVP	DOT	EC&E	ENR	H&SS	IT&I	NWTHC	PWS	ENVVP
Enterprise	X																							
HR Reserve				X																				
Fort Resolution	X																							

TABLE 10: SOUTH SLAVE REGION GRANULAR DEMAND ESTIMATE FORECAST

CCP = Community Capital Projects including Building Canada Plan (BCP) Projects.

COMMUNITY	Summary			2015/2016				2016/2017				2017/2018			
	Resupply	Current Supply	Future Issues	CCP	GNWT	NWTHC	TOTAL	CCP	GNWT	NWTHC	TOTAL	CCP	GNWT	NWTHC	TOTAL
Enterprise	As & When	Marginal	Yes	2075	1050		3125								
HR Reserve	As & When	Insufficient	Yes	2800	*800		3600	4000			4000				
Fort Resolution	As & When	Sufficient	Yes	8375	**TBD		8375	7050			7050				

*A&D Treatment Centre **plus possible opportunity DOT HWY 6 reconstruction Km 0 – 90