

NOTES:

- Source: Split Lake Daily Outflow
- Percentile zone data Based on daily data.
- Period of record: Sept. 1977 to Dec. 2006
- Conversion: 1 foot = 0.3048 meters



HISTORICAL RIVER FLOW REGIME AT KEEYASK GS SITE FIGURE 5

	06
	— 05
35300	04
	03
	02
	01
	00
	— 99
35300	— 98
	— 97
	96
	95
³ /s	— 94
(ft	— 93
35300 8	92
0	91
<u> </u>	— 90
	 87
5300	— 86
	— 85
	— 81
5300	
	— 79
	— 78
	— 77

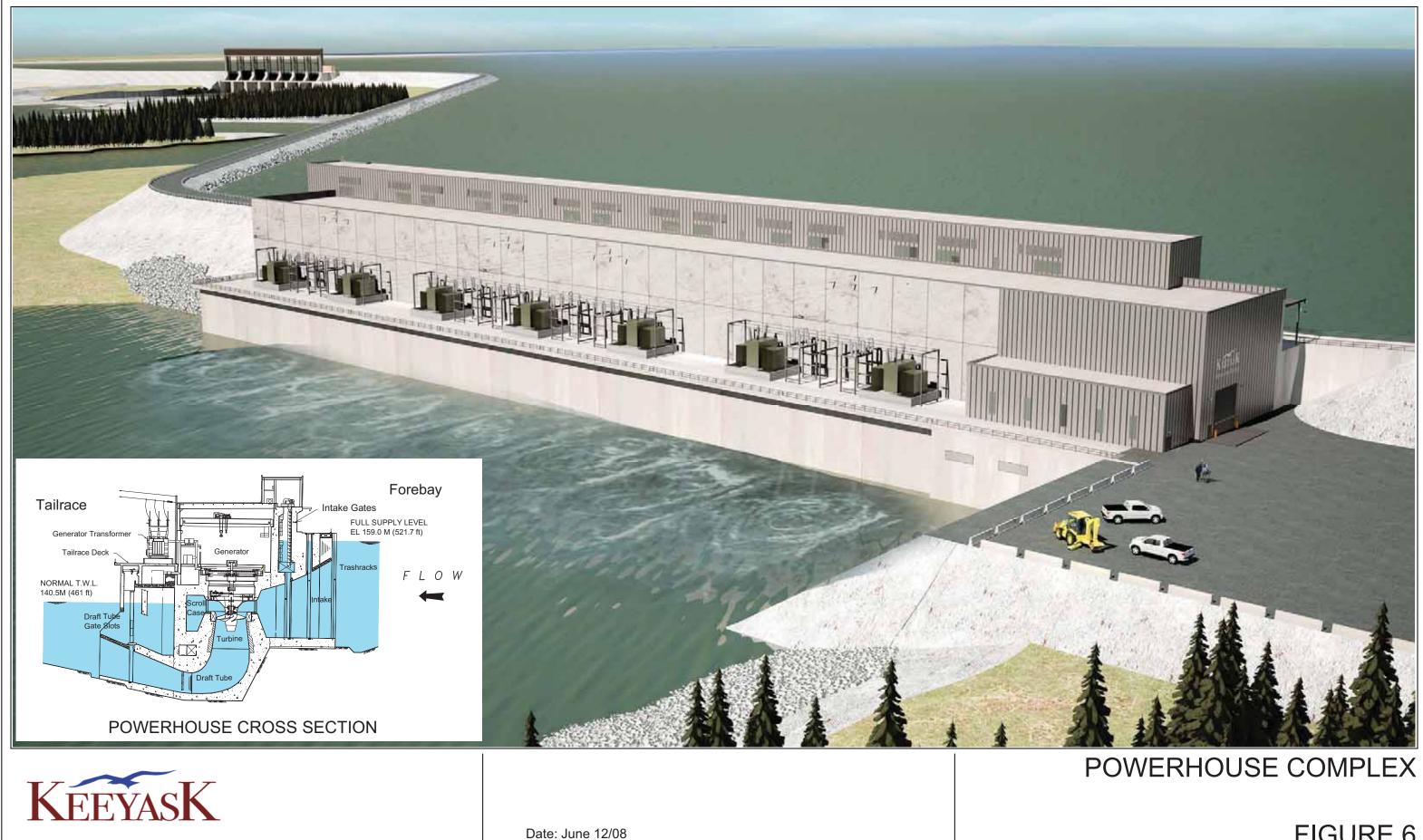
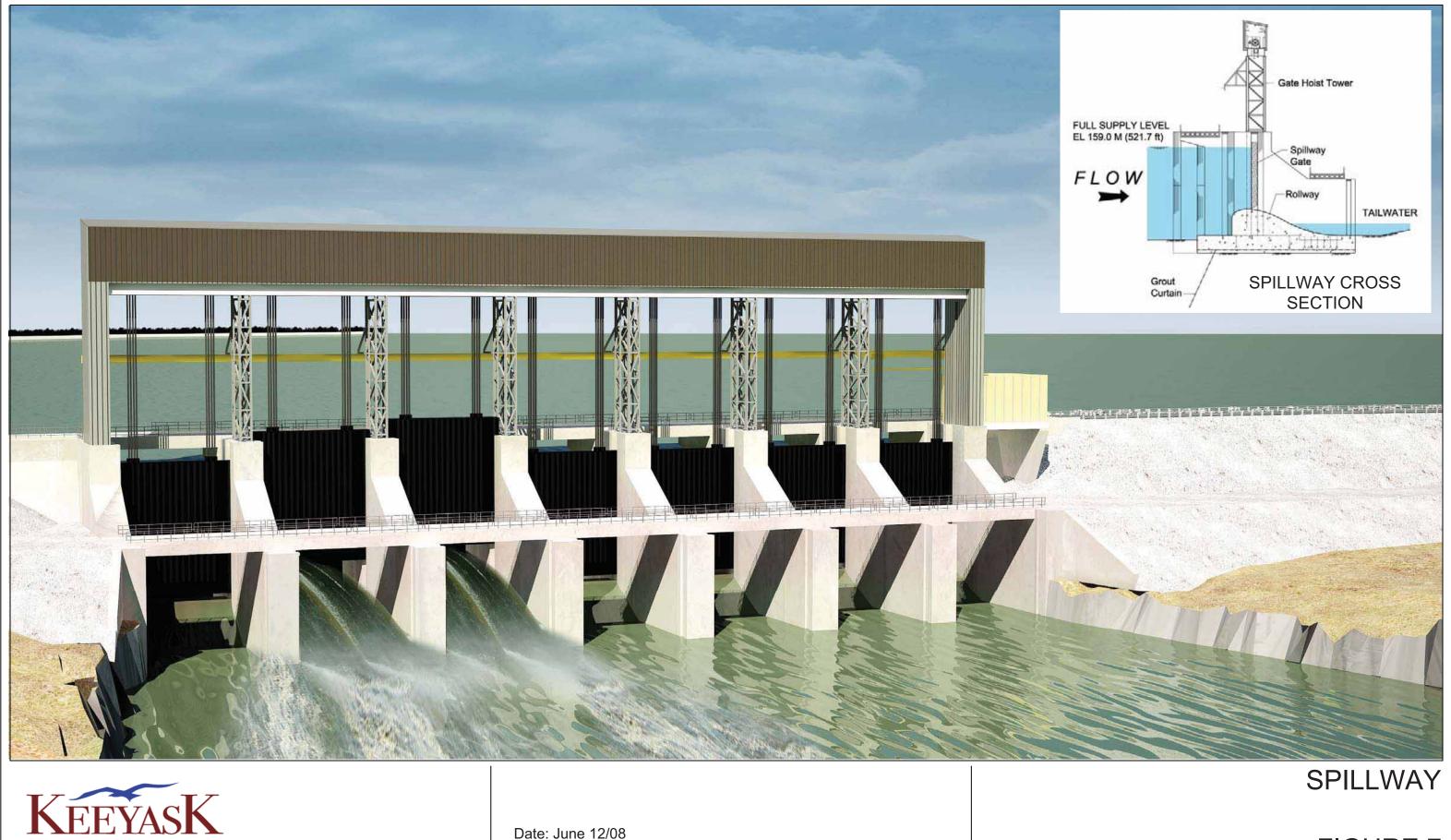


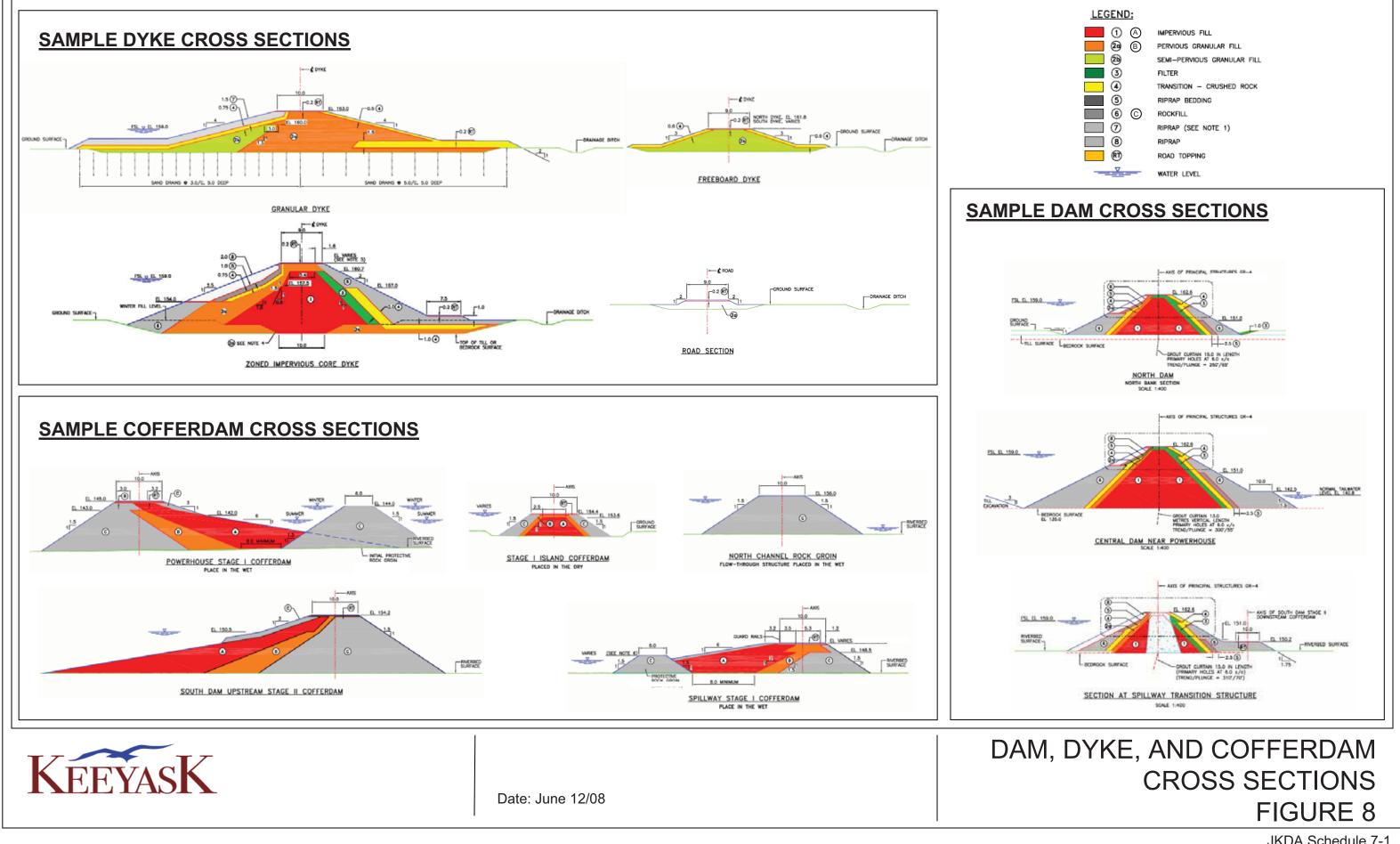
FIGURE 6





Date: June 12/08





ID	Name	YEAR 1	YEAR 2 YEAR 3		YEAR 5 YEA		DJEM	YEAR 7	NDU
1	MILESTONES (GR-4, North)							1000	
2									
3	Minister Announces Project	Dec 15 📀	Minister Announces Project						
4	Award Turbine Contract	Dec 15 🔿	Award Turbine Contract						
5	Award Generator Contract		Jun 15 💿 Award Generator Contract						
6	Award North Access Road Contract	Dec 15 (e)	Award North Access Road Contract					++++++	
7	Start North Access Road Construction	Feb 2	Start North Access Road Construction				++++		
8	Award South Access Road Contract		X	Award South Access Road Cont	ract				
9	Start South Access Road Construction			Start South Access Road Const					
10	Award Main Camp Contract	Dec 15	Award Main Camp Contract						
11	Start Main Camp Construction		Start Main Camp Construction				++++		
12	Award Stage I Cofferdams Contract		Jun 14 (Award Stage Cofferdams Contr						
			Jul 14 • Stage Cofferdams Contractor						
13	Stage I Cofferdams Contractor Starts Mobilizing								111
14	Stage I Cofferdams Dewatered		A DESCRIPTION OF A DESC	age I Cofferdams Dewatered					
15	Access to Centre Island Available		Nov 8 (Access to Centre Island	Available			1111	عداجة أرا	
16	North and South Shores Access Linked				Sep	23 • No	orth and	South Shore	S Acc
17	Basic Access Road to North Shore Available		Jan 28 💽 Basic Access Roa	I THEFT AND A THEFT AND A STREET					
18	Award General Civil Contract		Jun 1 💽 Award Ger						
19	General Civil Contractor - Mobilization		Jui 3		tractor - Mobilization				
20	First Concrete			Jun 2 💿 First Concrete		and the second			
21	Powerhouse Electric Overhead Travelling Crane Operational				Oct 27 Powerhouse	Electric O	verhead	Travelling C	rane C
22	Diversion Through Spillway				Jul 21	Divers	ion Thro	ugh Spillwa	y
23	First Power							Dec 2	1 0
24									
25	INFRASTRUCTURE								
26									
27	South Shore Infrastructure		South Shore Infrastructure				++++		
28	Site Access Road (Butnau to Site)		Nov4	Site Access	Road (Butnau to Site)				
29								+++++	
30	North Shore Infrastructure	North Shore Infrastructure	and the second se				++++		
31	Main Site Access Road (PR 280 to Site)			oad (PR 280 to Site)					
32	Starter Camp For Infrastructure (Located by PR 260)		Starter Camp For Infrastructure (Located	A CONTRACTOR OF A CONTRACT OF					
33	Starter Camp For North Access Road (Located by PR280)			4.01049464946864946866666					
222	Main Construction Camp - Phase I (300 Person)		Starter Camp For North Access Road (Lo						
34		Mar	1 Main Construction C	amp - Phase ((300 Person)					
35	Main Construction Camp - Phase II († 200 Additional Persons)		Oct 3	Main Construction Can	np - Phase II (1 200 Addition	al Person	*1		
36	Construction Power	Feb 3	Construction Power						
37									
38	ice Boom	lo	Boom						
39	Ice Boom Construction		Jun 15 lee Boom Construction						
40									
41	PRINCIPAL STRUCTURES								
42									
43	River Management	River Mar	agement						1
44	Stage I Cofferdams Contractor Mobilization		Jul 14 Stage I Cofferdams Cont	tractor Mobilization					Ĩ I
45	Stage I Cofferdams						++++		
46	Ouarry Cofferdam		Sep 29 Quarry Cofferdam						
47	North Channel Rock Groin		Oct 9 T North Channel Rock Groi	n.					
48	North Channel Stage I Cofferdam		Oct 25 [©] North Channel Stage I C	The state of the second s					
49	Central Dam Stage I Cofferdam		ou to - Hour channel stage fo	The second	age Cofferdem				
1999				Jul 2 Central Dam St	agercontendant				-
50	Powerhouse Stage I Cofferdam			werhouse Stage I Cofferdam			THE R		L L L



Date: June 12, 2008

Schedule: GN4_ConstrSmrySchd_D1_20070531_KJF_NR_Rev3.mpp

YEAR 7 YEAR 8 YEAR 9 YEAR 10
North and South Shores Access Linked
c Overhead Travelling Crane Operational version Through Spillway
Dec 21 First Power
sons)
PRELIMINARY KEEYASK PROJECT
CONSTRUCTION SCHEDULE
CONSTRUCTION SCREDULE

FIGURE 9A

ID	Name	YEAR 1 YEAR A SOND J FMAM J JASOND J FMAM J J	2 YEAR 3	YEAR 4 YEAR 5 YEAR 6 YEAR 7 JFMAMJJA SOND JFMAMJJA SOND JFMAMJJA SOND JFMAMJJA SOND JF
51	Stage I Island Cofferdam		Jun 17 Stage Lisia	nd Cofferdam
52	Spillway Stage I Cofferdam		Jun 18 Spi	Ilway Stage I Cofferdam
53	Stage II Cofferdams			
54	Tailrace Channel Summer Level Cofferdam			Jun 15 🖽 🛛 Tailrace Channe
55	Stage II Island Cofferdam			May 7 🖾 Stage II Island Cofferdam
56	U/S & D/S Cofferdams for South Dam			Jul 22 U/S & D/S Cofferdams for South
57	Removal of Powerhouse Stage I Cofferdam			Removal o
58	- in the Dry			May 26 - in the Dry
59	Removal of Spillway Stage I Cofferdam			Removal of Spillway Stage I Coffe
60	- in the Dry			May 7 ¹⁰ - in the Dry
61	- in the Wet			May 18 - in the Wet
62	Removal of Tailrace Summer Level Cofferdam			Oct 11 💷 Rem
63	Impound Forebay			Jul 3 timpo
64				
65	Earthworks		Earthworks	
66	Excavation - Unclassified		Oct 19 1	annucleumenengen () annucleumenengen () Excavation - Unclassified
67	North Dam		Contraction of the second seco	Oct 24 Contemporter North Dam
68	Central Dam			May 9 Central Dam
69	South Dam			
70	South Dam Construction - Spillway Stage I Cofferdam			Aug 7 🔤 South Dam Construction - Spillway Stage I Cofferdam
71	South Dam Construction - Riverbed & South Abutment			Sep 15 - South Da
72	North Dyke			
73	South Dyke			Nov 1 South Dy
74	Transmission Tower Spur			Aug 18 - Transmission Tower Spur
75	Parking Lot and Access Ramp			Apr 8 🖾 Parking Lot and Access Ramp
1.52	Spillway and Powerhouse		Spillway and Powerhouse	
77	Excavation of Structures - Unclassified and Rock		Oct 19	Excava
78	Spillway Concrete			Jun 2 Spillway Concrete
79	D/S Spillway Bridge			Jul 29 D/S Spillway Bridge
80	Spillway Rollway Concrete			Jul 4
81	Spillway Transitions and Walls Concrete			Jul 16 Spillway Transitions and Walls Concrete
82	Spilway Gates			
83	Powerhouse & Service Bay Concrete			Jun 11 Spillway Gates
0.000	Powerhouse & Service Bay Concrete Powerhouse Transitions and Wall Concrete			Jun 2 May 15 Powerhouse Transitions and Wall Concrete Aug 5 Intake Gates Oct 26 Draft Tube Gates
84	Intake Gates			may 19 PowerDouse Transitions and waa concrete
85				Aug 5 Intake Gates
86	Draft Tube Gates			Uct 20 Uran Tube Gates
87	Draft Tube Liner Bulkhead Domes			Aug 5 D D D D D D D D D D D D D D D D D D
	Superstructure Steel			Aug 20 Superstructure Steel
88	Powerhouse Cranes			Sep 16 Powerhouse Cranes
89				Oct 28
89 90	Turbines and Generators		the second s	
89 90 91	Mech and Elect Installation			Jul 17
89 90 91 92	Mech and Elect Installation Decommission Construction Infrastructure			۲۰ اینل ۲۰
89 90 91 92 93	Mech and Elect Installation Decommission Construction Infrastructure Unit In Service Dates			بر 17 اینل ۲
89 90 91 92 93 94	Mech and Elect Installation Decommission Construction Infrastructure Unit In Service Dates First Power (Unit No. 1)			Jul 17 Dec 21 F
89 90 91 92 93 94 95	Mech and Elect Installation Decommission Construction Infrastructure Unit In Service Dates First Power (Unit No. 1) Unit No. 2			Jul 17 Dec 21 F
89 90 91 92 93 94	Mech and Elect Installation Decommission Construction Infrastructure Unit In Service Dates First Power (Unit No. 1) Unit No. 2 Unit No. 3			Jul 17 Dec 21 • F
89 90 91 92 93 94 95	Mech and Elect Installation Decommission Construction Infrastructure Unit In Service Dates First Power (Unit No. 1) Unit No. 2 Unit No. 3 Unit No. 4			
89 90 91 92 93 94 95 96	Mech and Elect Installation Decommission Construction Infrastructure Unit In Service Dates First Power (Unit No. 1) Unit No. 2 Unit No. 3			Jul 17 Dec 21 • F
89 90 91 92 93 94 95 96 97	Mech and Elect Installation Decommission Construction Infrastructure Unit In Service Dates First Power (Unit No. 1) Unit No. 2 Unit No. 3 Unit No. 4			Jul 17 Dec 21 • F



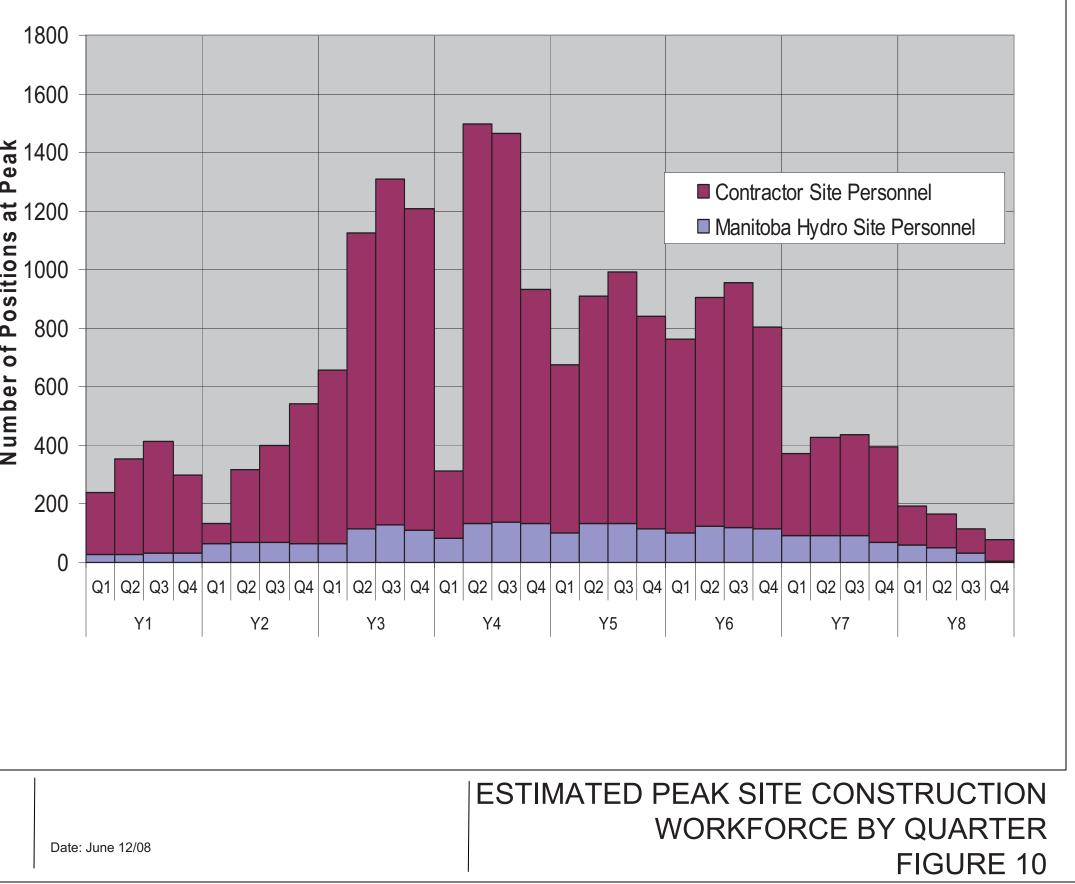
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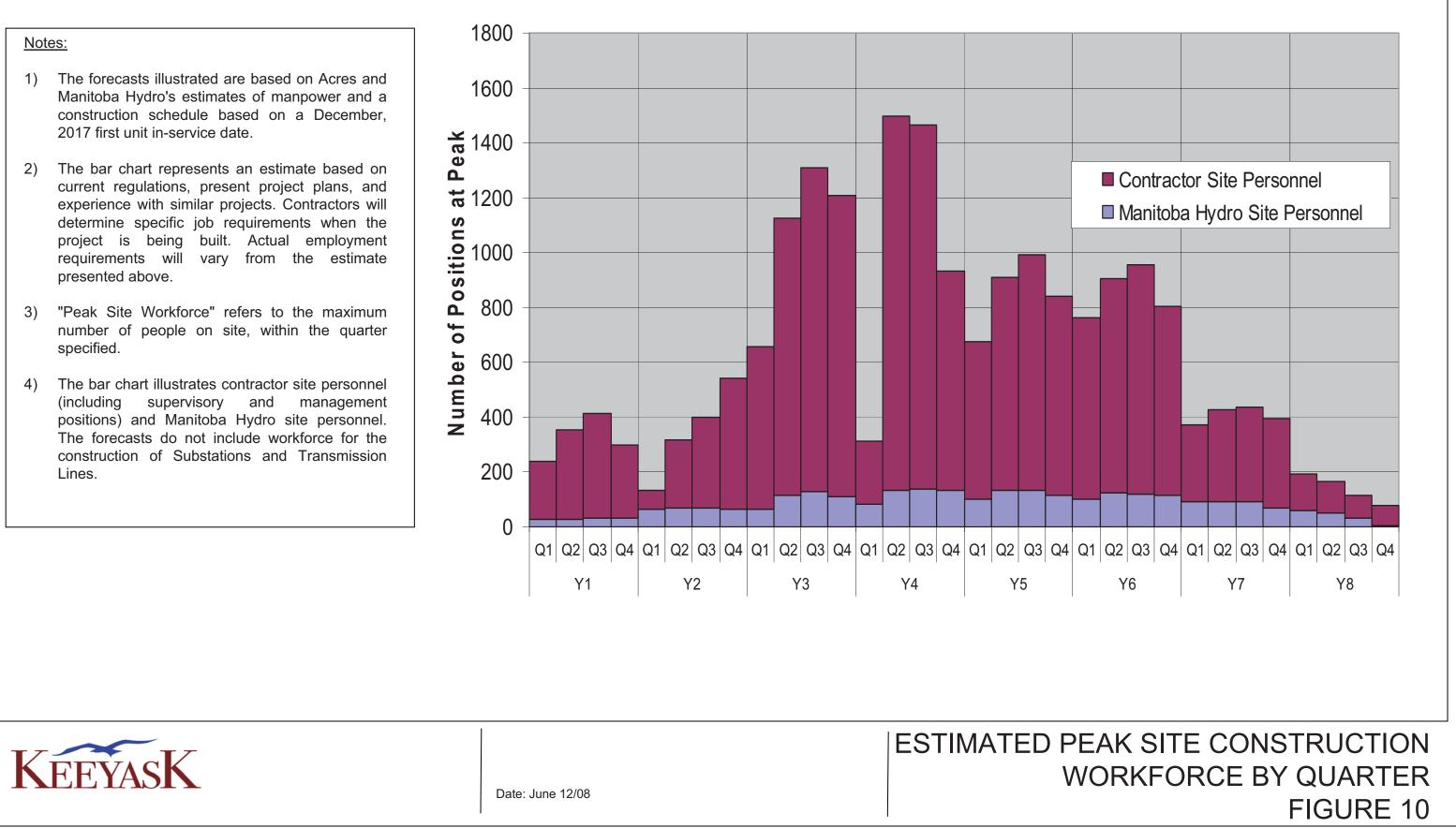
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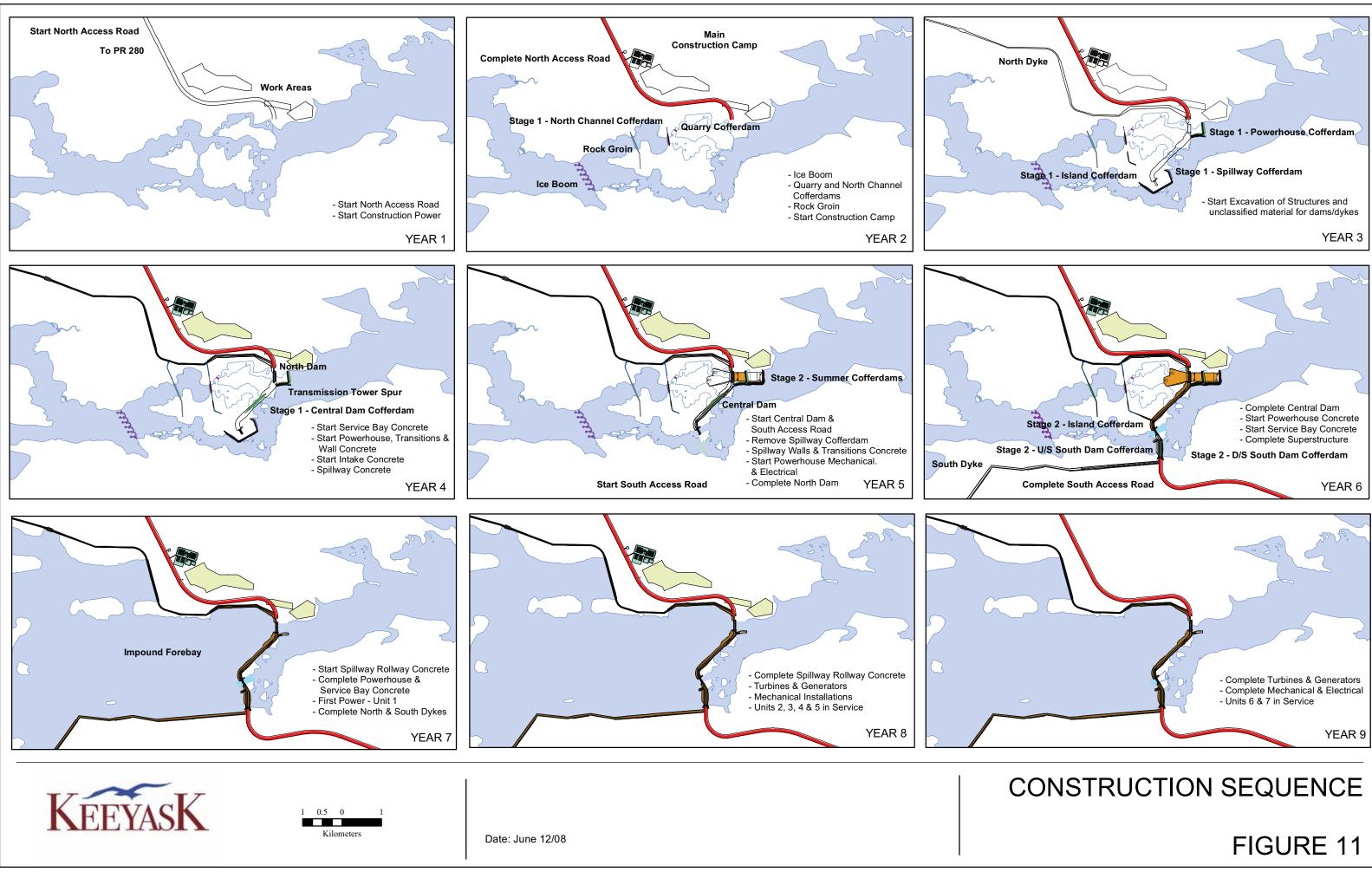
YEAR 7 YE	AR 8			
Tailrace Channel Summ	er Level Cofferda	m		
sland Cofferdam				
/S & D/S Cofferdams for South Dam				
Removal of Power	house Stage I Co	fferdam		
May 26 - in the Dry				
ioval of Spillway Stage I Cofferdam				
v				
e Wet				
Oct 11 🖾 Removal of T	LILLELLE	evel Cofferdam		
Jul 3 Impound For	ebay			
Excavation - Unclassified				
itral Dam				
- Spillway Stage I Cofferdam	11111111			
THE PARTY OF THE P	ruction - Riverbe	d & South Abutmen		
North Dyke				
South Dyke				
ot and Access Ramp				
A and Access Kamp				
Execution of S	Structures - Uncla	ssified and Rock		
mon manimum Excavator or c	Structures - Officia	Isalied and Rock		
Jul 4	Sollway	y Rollway Concrete		
2 and a management of the second seco		, noundy concerts	·	
Powerbous	se & Service Bay	Concrete		
s and Wall Concrete				
ke Gates				
Fraft Tube Gates				
D D D Draft Tube Liner B	ulkhead Domes			
Superstructure Steel				
		Turbines a	nd Generators	
			Elect Installation	
	May	10 Deco	mmission Construction Infra	
1			rvice Dates	
Dec 21 💽 First Pow	er (Unit No. 1)			
Apr 11 🕑 Ur	nit No. 2			
Jun 8 🖲	Unit No. 3			
Sep	18 💽 Unit No.	4		
	Dec 11 💽 Unit	No. 5		
	Mar 20	Unit No. 6		
	L	ul 15 💽 Unit No. 7		
	ant de la Colorda de la		and a second	
PRELIMINA	DV K			СТ
			JU LIVÛE	

IMINARY KEEYASK PROJECT CONSTRUCTION SCHEDULE FIGURE 9B

- The forecasts illustrated are based on Acres and Manitoba Hydro's estimates of manpower and a construction schedule based on a December, 2017 first unit in-service date.
- current regulations, present project plans, and experience with similar projects. Contractors will determine specific job requirements when the project is being built. Actual employment requirements will vary from the estimate presented above.
- number of people on site, within the guarter specified.
- supervisory and management (including positions) and Manitoba Hydro site personnel. The forecasts do not include workforce for the construction of Substations and Transmission Lines.







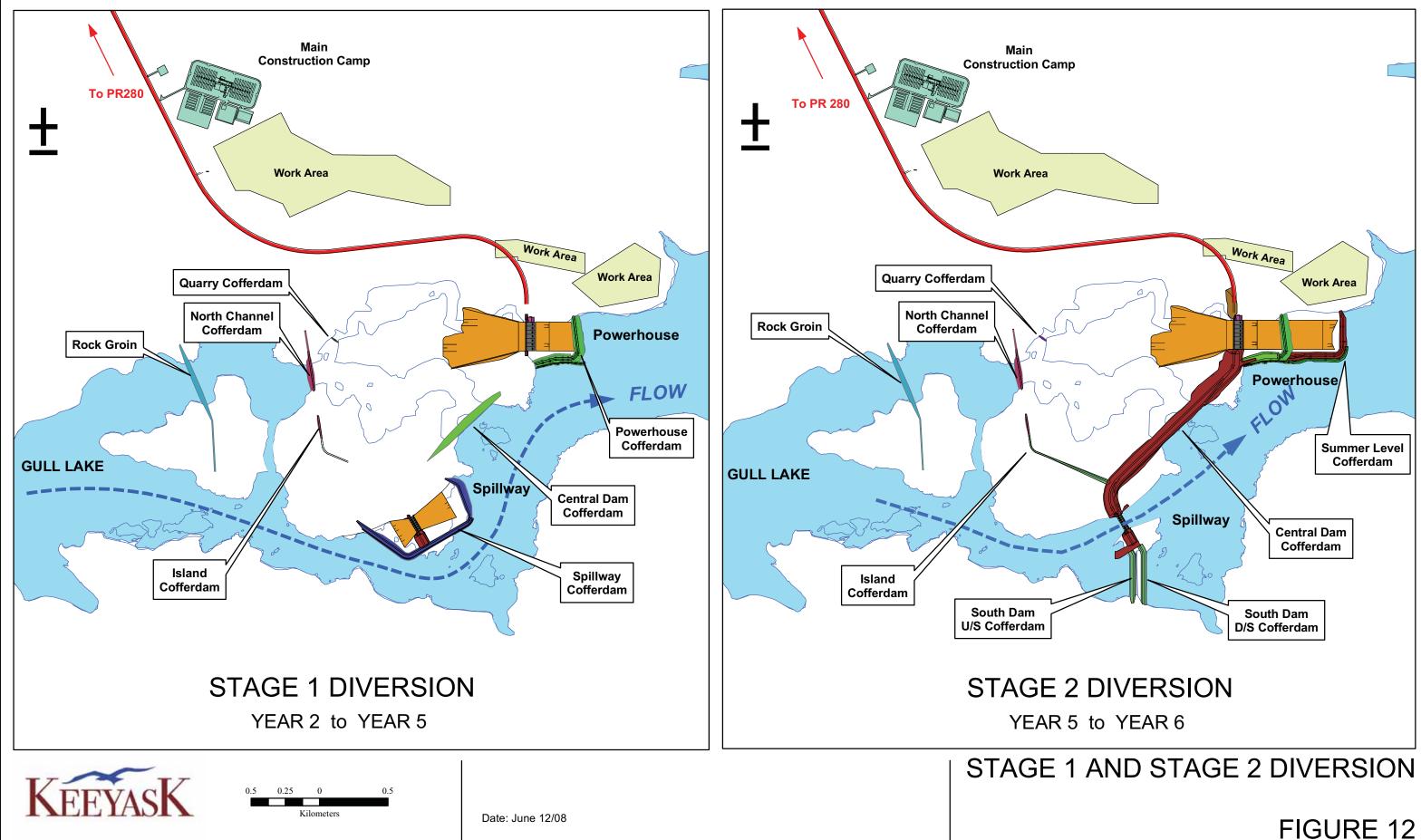
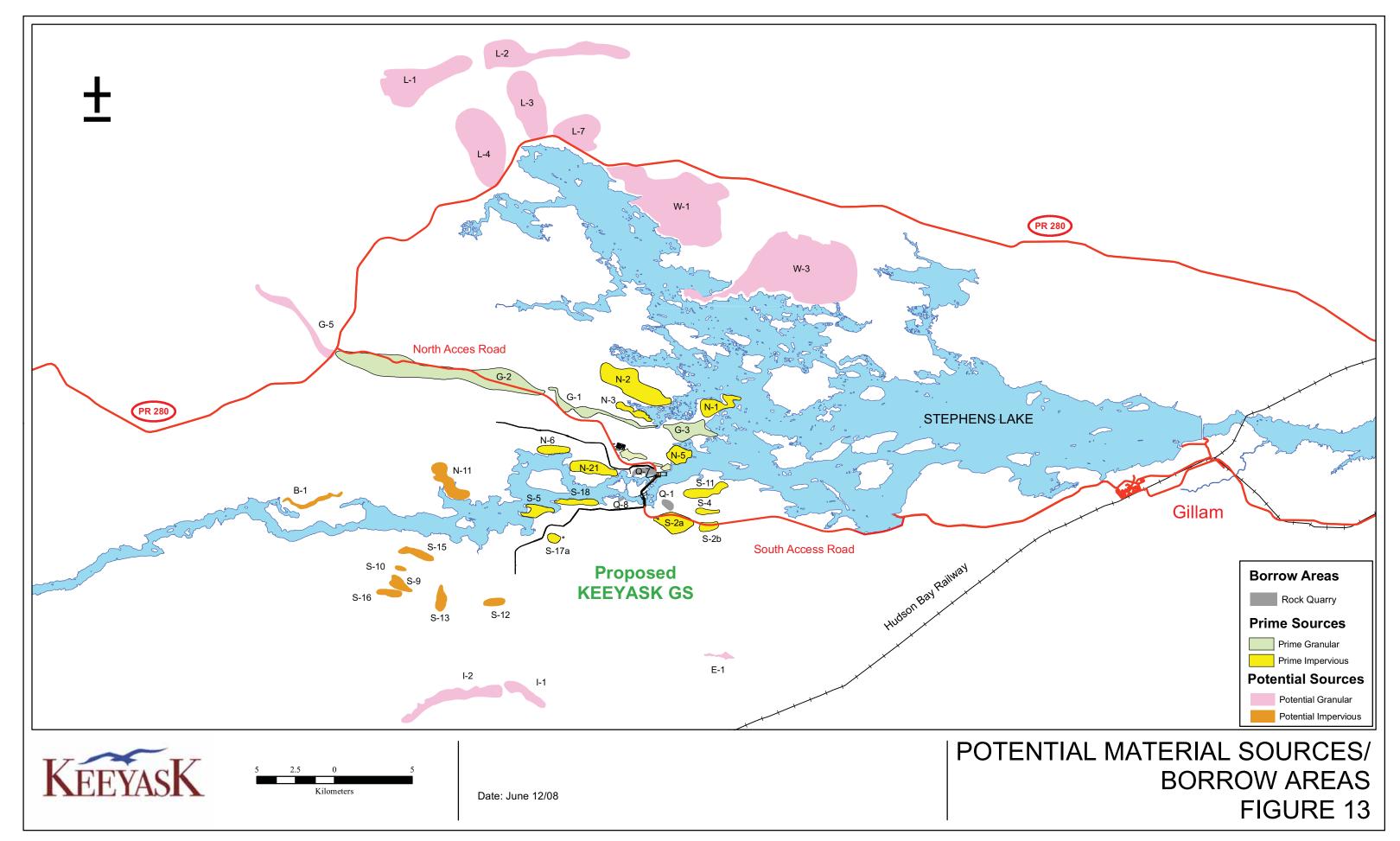
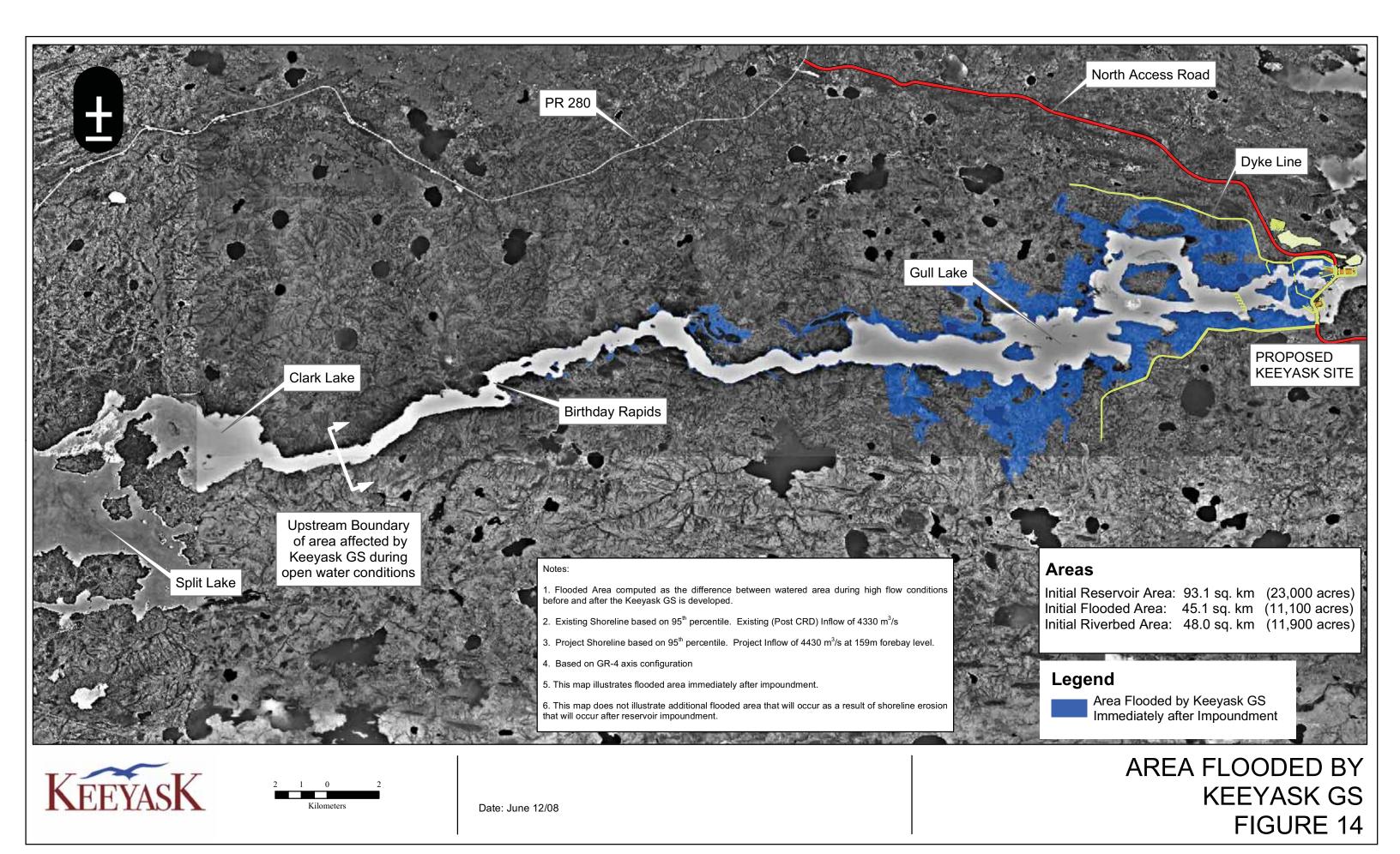
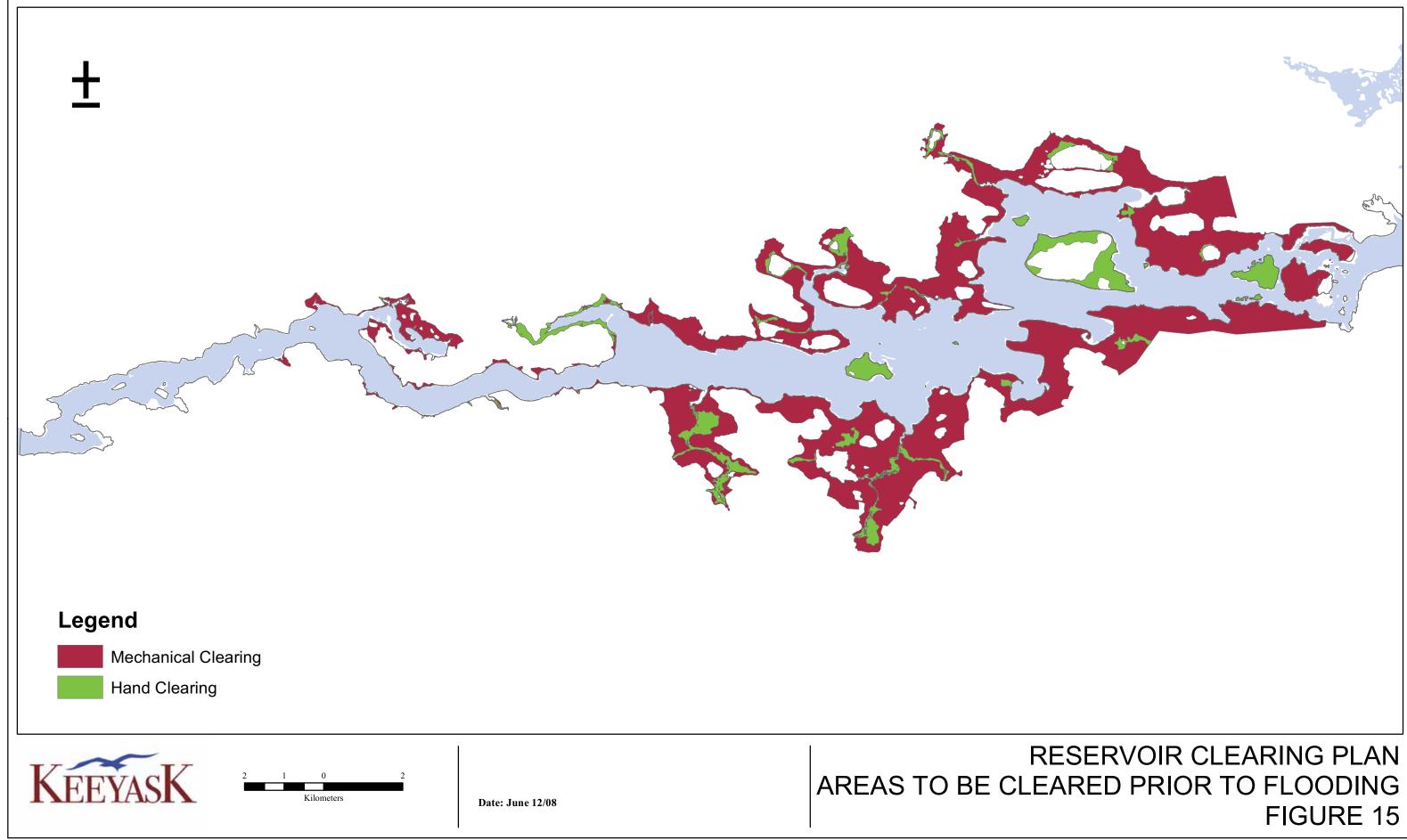


FIGURE 12







JKDA Schedule 7-1

FIGURE 15

