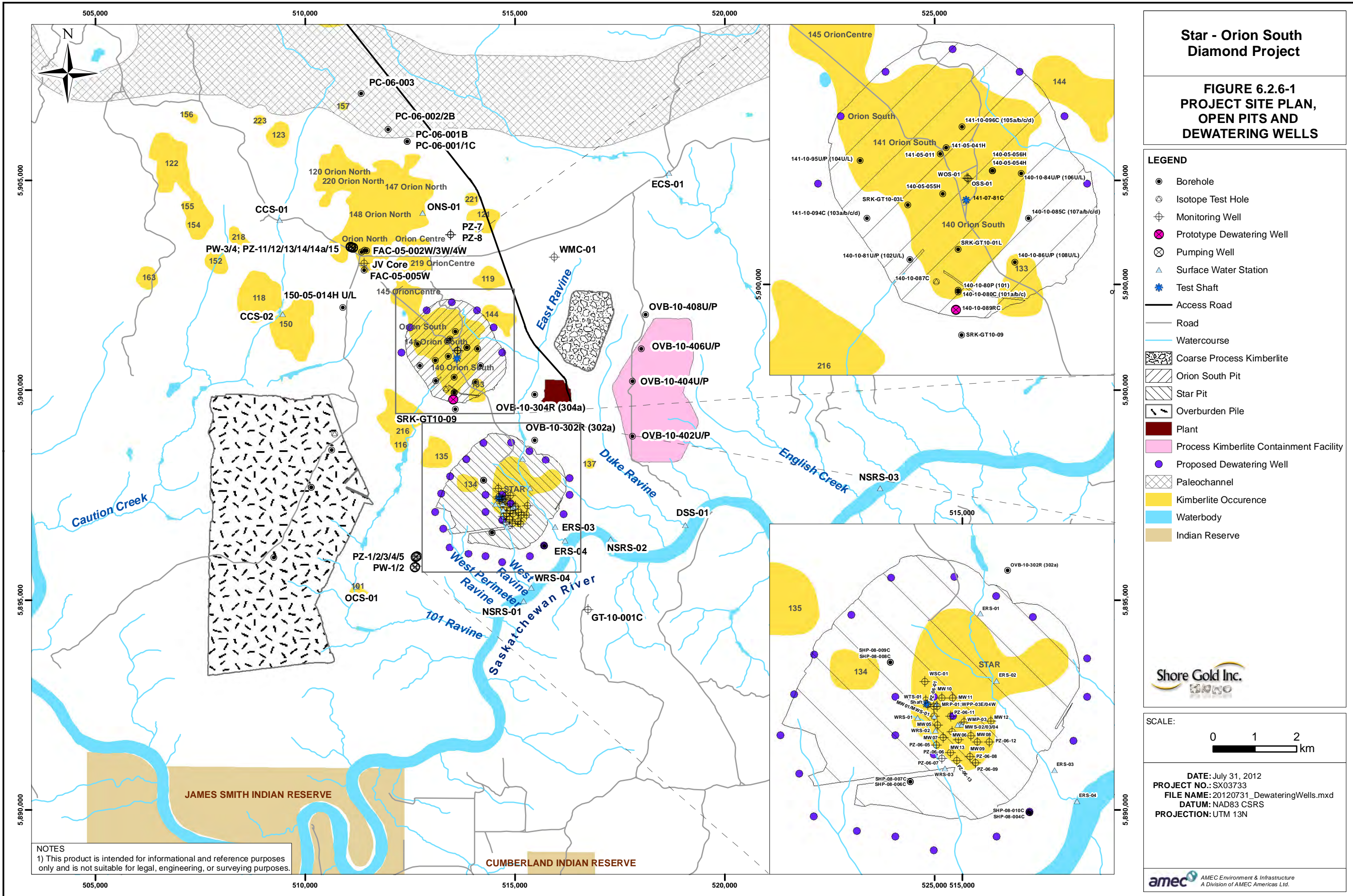
















**Star - Orion South  
Diamond Project**

**FIGURE 6.2.6-1  
PROJECT SITE PLAN,  
OPEN PITS AND  
DEWATERING WELLS**



**Star - Orion South  
Diamond Project**

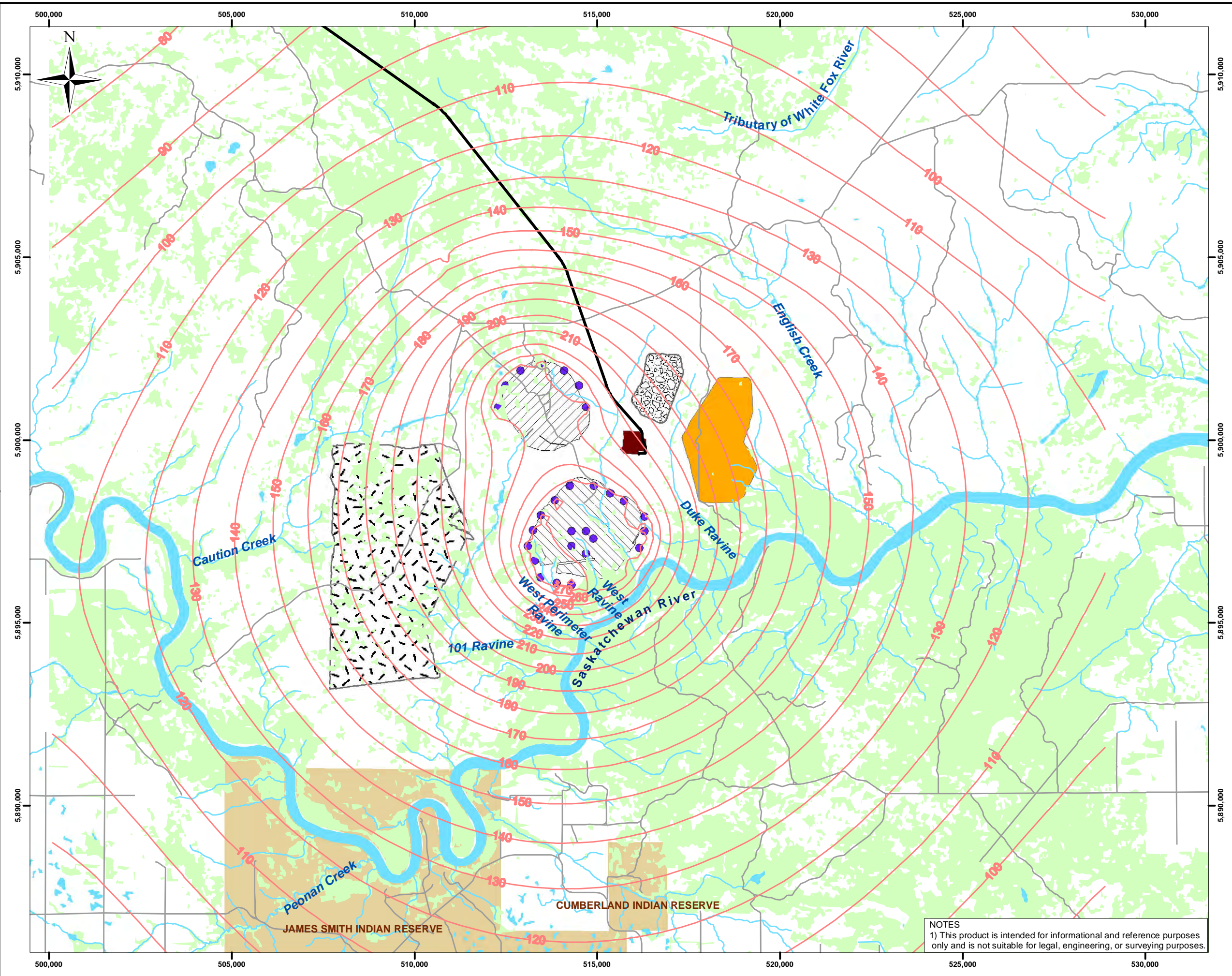
**FIGURE 6.2.6-2  
PREDICTED DRAWDOWN  
IN MANNVILLE GROUP  
BASE CASE SCENARIO**

- LEGEND**
-  Access Road
  -  Road
  -  Watercourse
  -  Treed Area
  -  Coarse Process Kimberlite
  -  Orion South Pit
  -  Star Pit
  -  Overburden Pile
  -  Plant
  -  Process Kimberlite Containment Facility
  -  Proposed Dewatering Well
  -  Waterbody
  -  Indian Reserve
  -  Contour of predicted drawdown in metres (SRK, 2011)


















DATE: July 31, 2012  
 PROJECT NO.: SX03733  
 FILE NAME: 20120731\_Predicted  
 DDMannville.mxd  
 DATUM: NAD83 CSRS  
 PROJECTION: UTM 13N

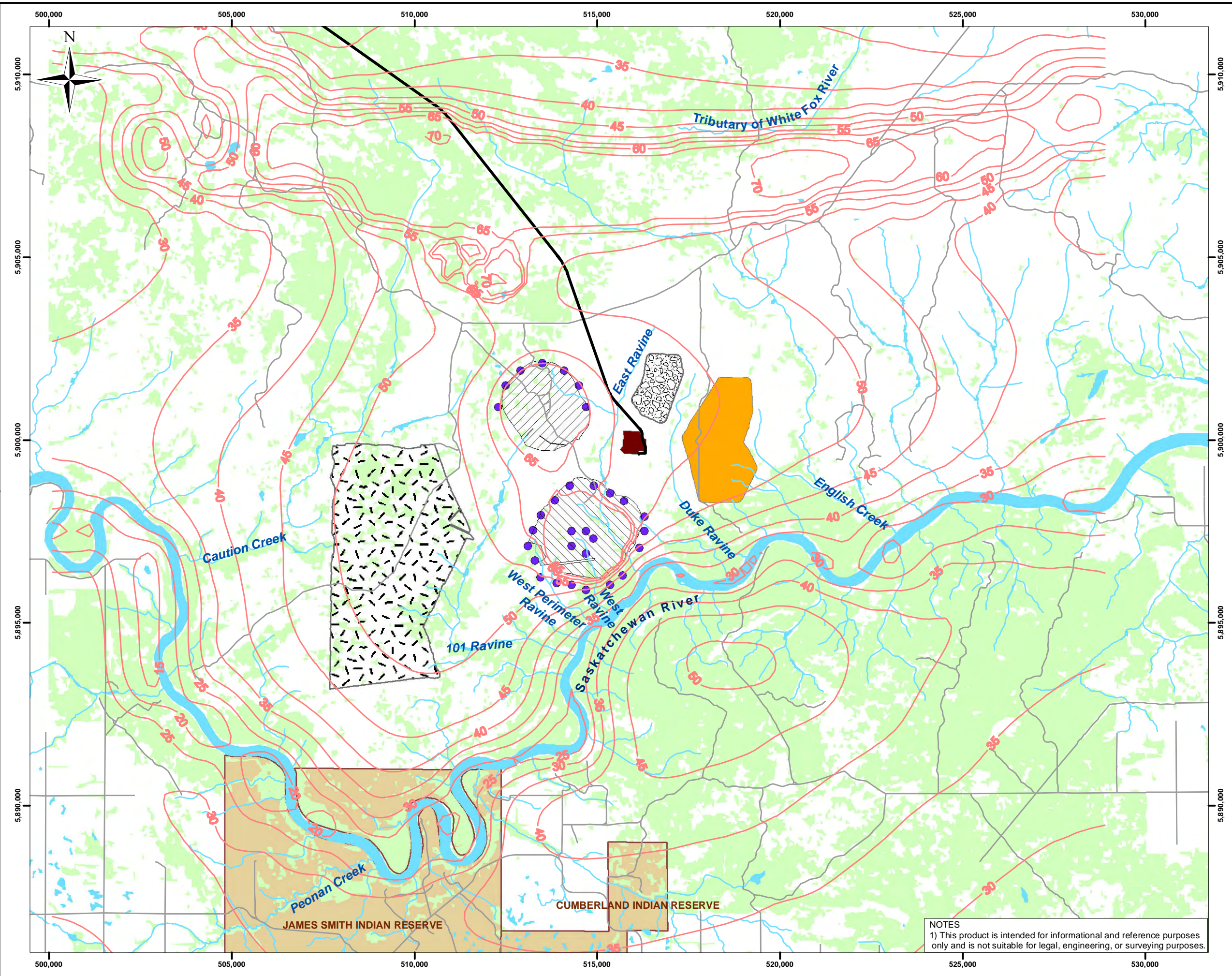
**NOTES**  
 1) This product is intended for informational and reference purposes only and is not suitable for legal, engineering, or surveying purposes.



**Star - Orion South  
Diamond Project**

**FIGURE 6.2.6-3  
PREDICTED DRAWDOWN  
IN LOWER TILL  
BASE CASE SCENARIO**

- LEGEND**
-  Access Road
  -  Road
  -  Watercourse
  -  Coarse Process Kimberlite
  -  Orion South Pit
  -  Star Pit
  -  Overburden Pile
  -  Plant
  -  Process Kimberlite Containment Facility
  -  Proposed Dewatering Well
  -  Waterbody
  -  Indian Reserve
  -  Treed Area
  -  Indian Reserve
  -  Contour of predicted drawdown in metres (SRK, 2011)


















DATE: July 31, 2012  
 PROJECT NO.: SX03733  
 FILE NAME: 20120731\_Predicted  
 DDLowerTill.mxd  
 DATUM: NAD83 CSRS  
 PROJECTION: UTM 13N

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**Star - Orion South  
Diamond Project**

**FIGURE 6.2.6-4  
PREDICTED DRAWDOWN  
IN UPPER TILL  
BASE CASE SCENARIO**

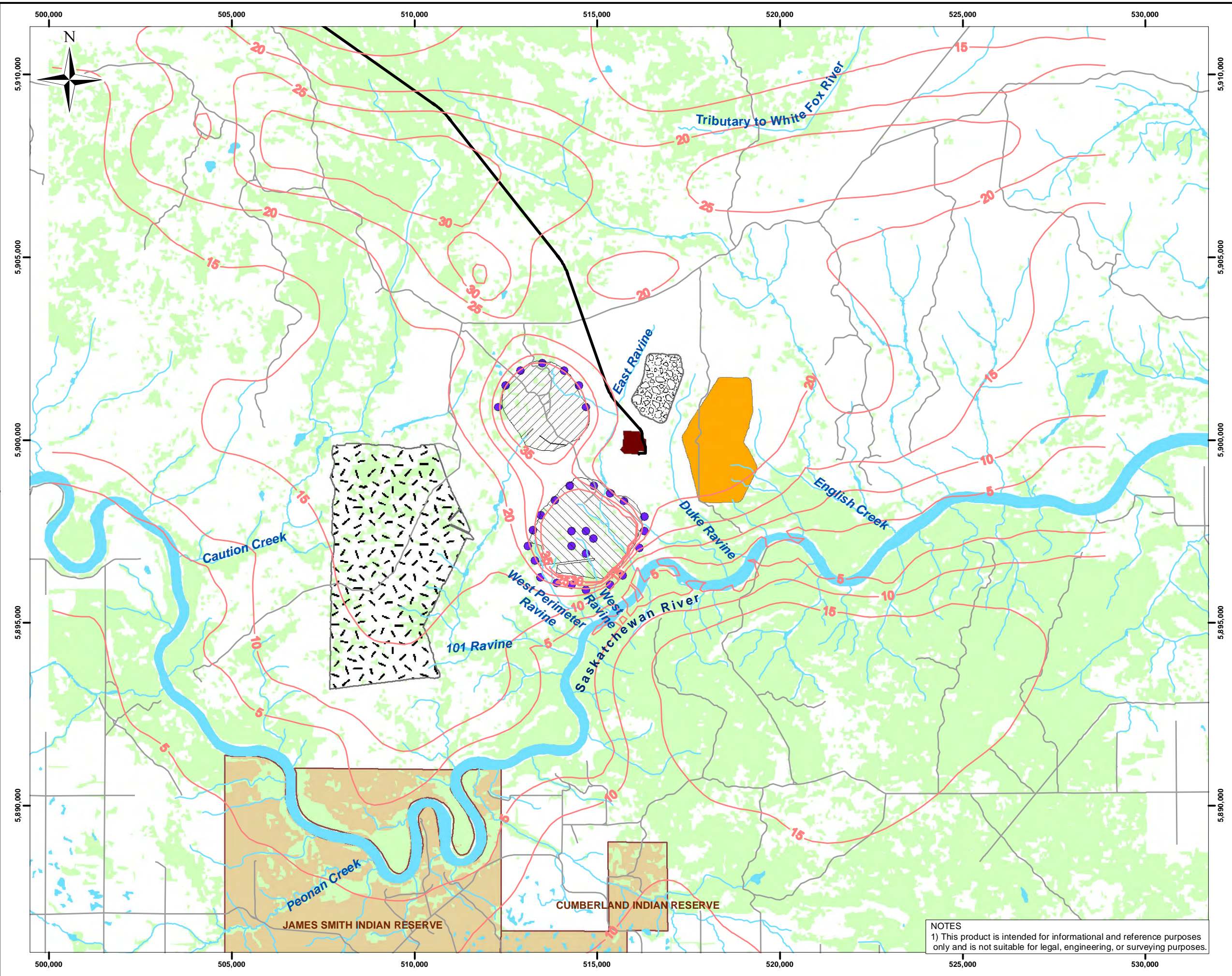
**LEGEND**

-  Access Road
-  Road
-  Watercourse
-  Coarse Process Kimberlite
-  Orion South Pit
-  Star Pit
-  Overburden Pile
-  Plant
-  Process Kimberlite Containment Facility
-  Proposed Dewatering Well
-  Waterbody
-  Indian Reserve
-  Treed Area
-  Indian Reserve
-  Contour of predicted drawdown in metres (SRK, 2011)



DATE: July 31, 2012  
 PROJECT NO.: SX03733  
 FILE NAME: 20120731\_Predicted  
 DDUpperTill.mxd  
 DATUM: NAD83 CSRS  
 PROJECTION: UTM 13N
















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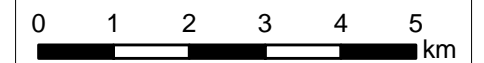
**FIGURE 6.2.6-5  
PREDICTED DRAWDOWN  
IN SURFICIAL SANDS  
BASE CASE SCENARIO**

**LEGEND**

-  Access Road
-  Road
-  Watercourse
-  Coarse Process Kimberlite
-  Orion South Pit
-  Star Pit
-  Overburden Pile
-  Plant
-  Process Kimberlite Containment Facility
-  Proposed Dewatering Well
-  Waterbody
-  Indian Reserve
-  Treed Area
-  Indian Reserve
-  Contour of predicted drawdown in metres (SRK, 2011)



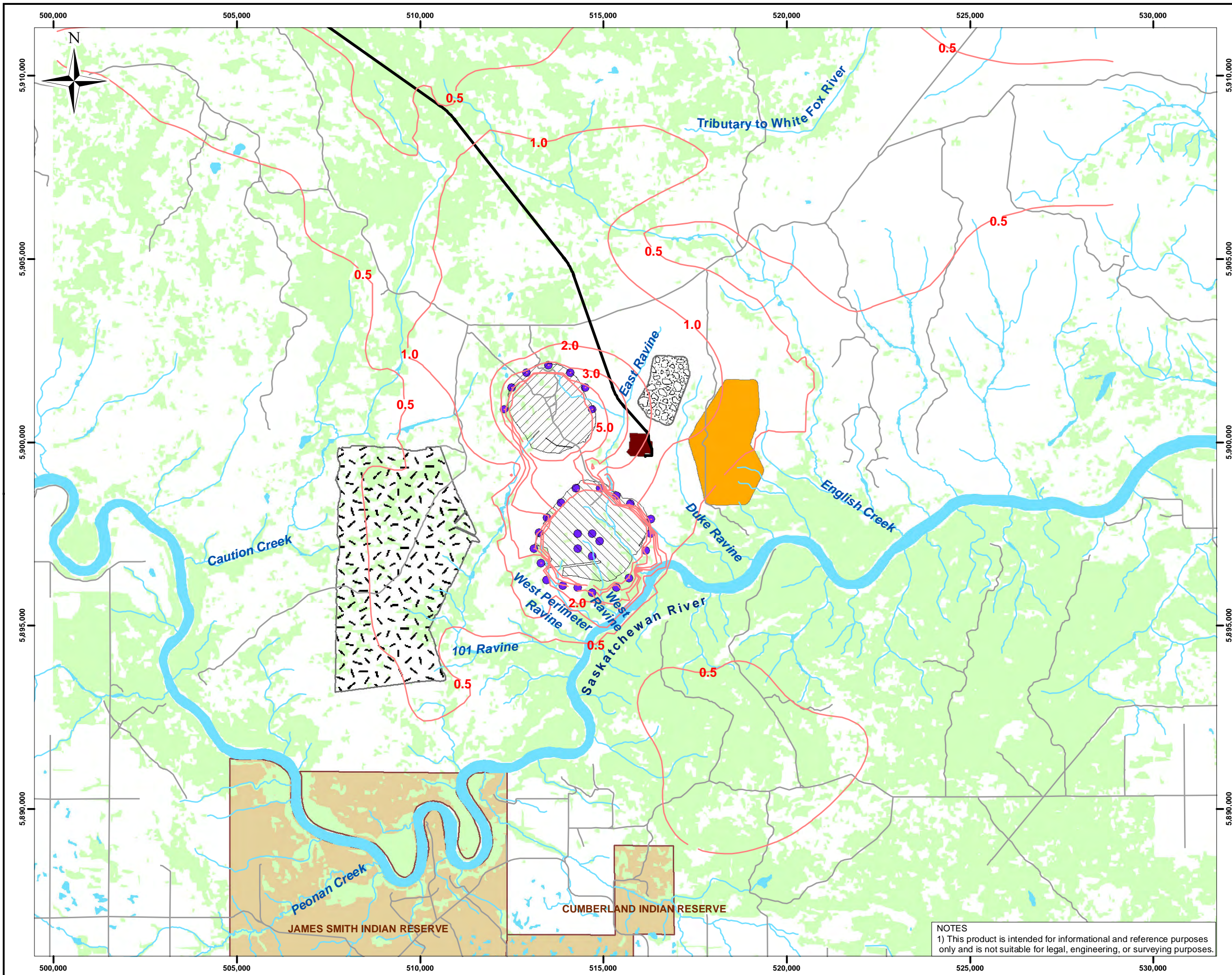
**SCALE:**



**DATE:** July 31, 2012  
**PROJECT NO.:** SX03733  
**FILE NAME:** 20120731\_Predicted  
 DDSurficialSands.mxd  
**DATUM:** NAD83 CSRS  
**PROJECTION:** UTM 13N

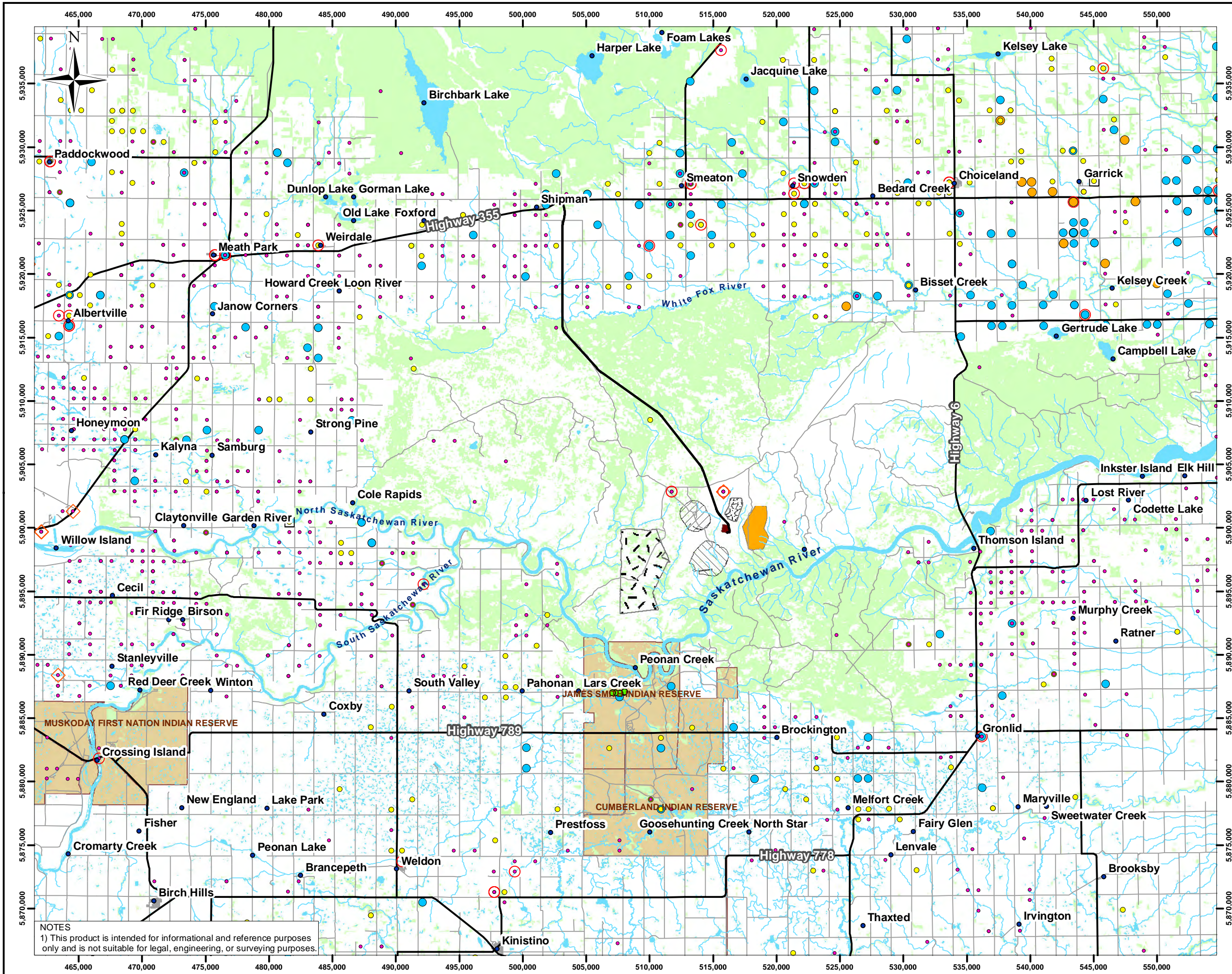
**NOTES**

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**Star - Orion South  
Diamond Project**

**FIGURE 6.2.6-6  
LOCATIONS OF  
PRIVATE WATER WELLS  
IN SWA DATABASE**



**LEGEND**

- Shallow Well (GPS Survey)

**Well Depth (m)**

- < 25
- 26 - 50
- 51 - 100
- > 100

**Well Use**

- ◇ Industrial
- Other (ie. Recreation, Observation, etc.)
- Municipal
- ◇ Irrigation

**Other Features**

- Access Road
- Road
- Watercourse
- ▨ Coarse Process Kimberlite
- ▨ Orion South Pit
- ▨ Star Pit
- ▨ Overburden Pile
- Plant
- Process Kimberlite Containment Facility
- Waterbody
- Indian Reserve
- Treed Area
- Indian Reserve

(Note:  
Well Data from SWA and GPS Survey)



**DATE:** July 31, 2012  
**PROJECT NO.:** SX03733  
**FILE NAME:** 20120731\_Private  
 WaterWells.mxd  
**DATUM:** NAD83 CSRS  
**PROJECTION:** UTM 13N

**NOTES**  
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**Star - Orion South  
Diamond Project**

**FIGURE 6.2.6-7  
PRIVATE WELLS AND  
PREDICTED DRAWDOWN  
IN SURFICIAL SANDS**

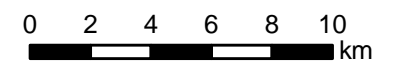
**LEGEND**

- Private Water Wells (<25m Depth)
- Access Road
- Road
- Watercourse
- Coarse Process Kimberlite
- Orion South Pit
- Star Pit
- Overburden Pile
- Plant
- Process Kimberlite Containment Facility
- Treed Area
- Waterbody
- Indian Reserve
- Indian Reserve
- Contour of predicted drawdown in metres (SRK, 2011)

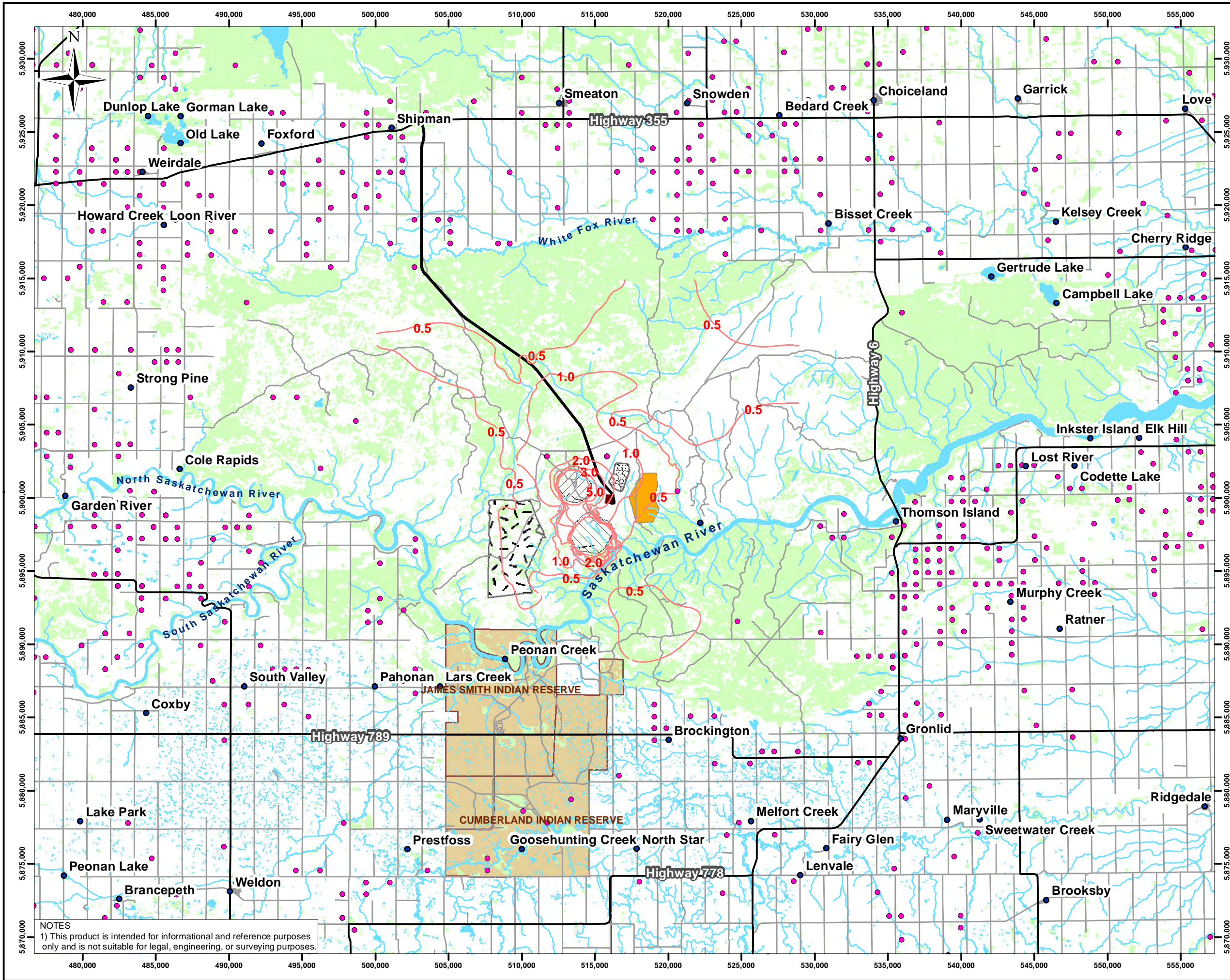
(Note: private well data from SWA database.)



**SCALE:**



**DATE:** July 31, 2012  
**PROJECT NO.:** SX03733  
**FILE NAME:** 20120731\_PrivateWells  
 DDSurficialSands.mxd  
**DATUM:** NAD83 CSRS  
**PROJECTION:** UTM 13N



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# Star - Orion South Diamond Project

## FIGURE 6.2.6-8 PRIVATE WELLS AND PREDICTED DRAWDOWN IN UPPER TILL

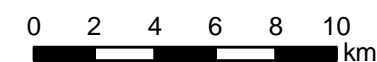
### LEGEND

- Private Water Wells (25 - 50m)
- Access Road
- Road
- Watercourse
- Coarse Process Kimberlite
- Orion South Pit
- Star Pit
- Overburden Pile
- Plant
- Process Kimberlite Containment Facility
- Waterbody
- Indian Reserve
- Treed Area
- Indian Reserve
- Contour of predicted drawdown in metres (SRK, 2011)

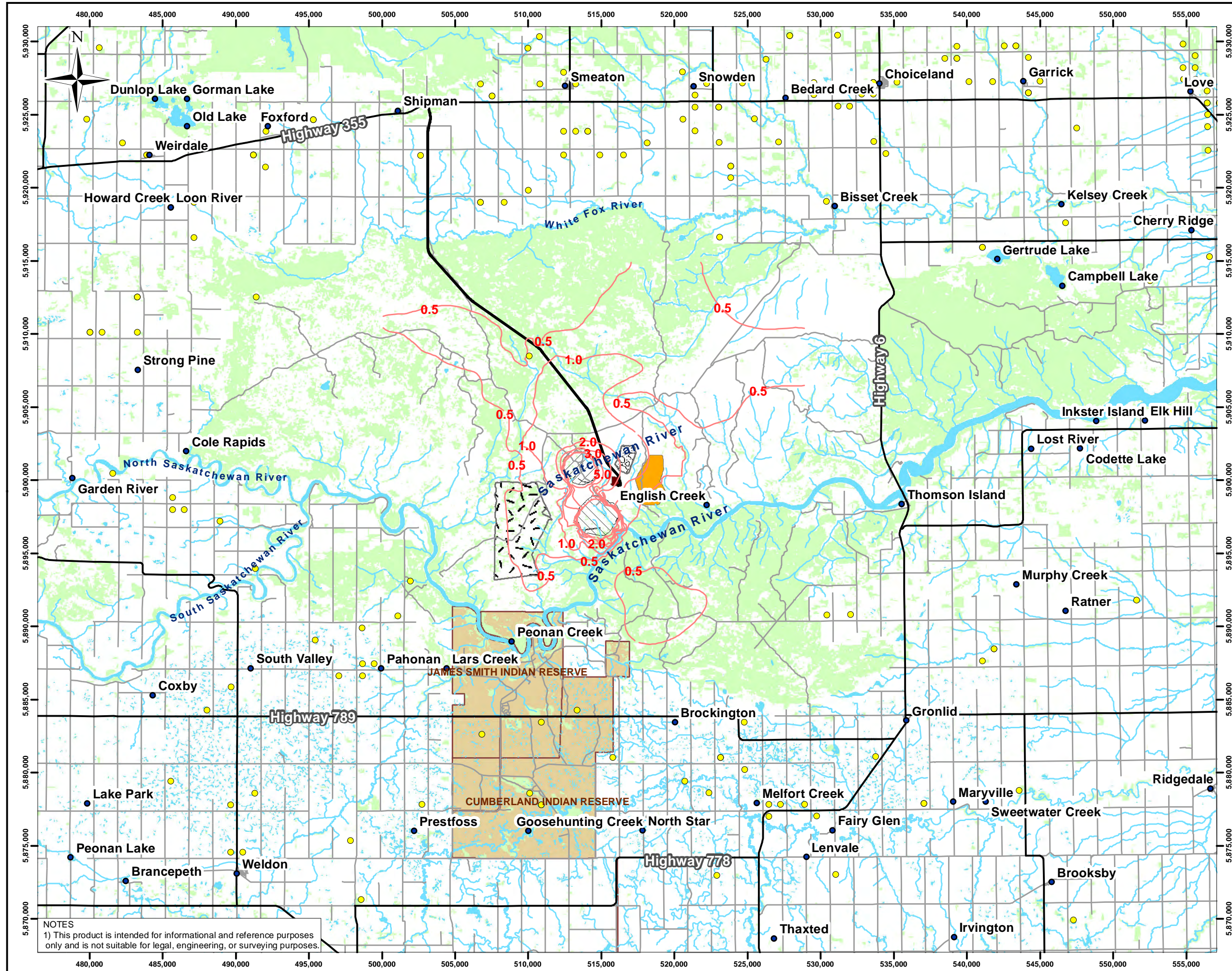
(Note: private water well data from SWA database)



### SCALE:



DATE: July 31, 2012  
 PROJECT NO.: SX03733  
 FILE NAME: 20120731\_PrivateWells  
 DDUpperTill.mxd  
 DATUM: NAD83 CSRS  
 PROJECTION: UTM 13N

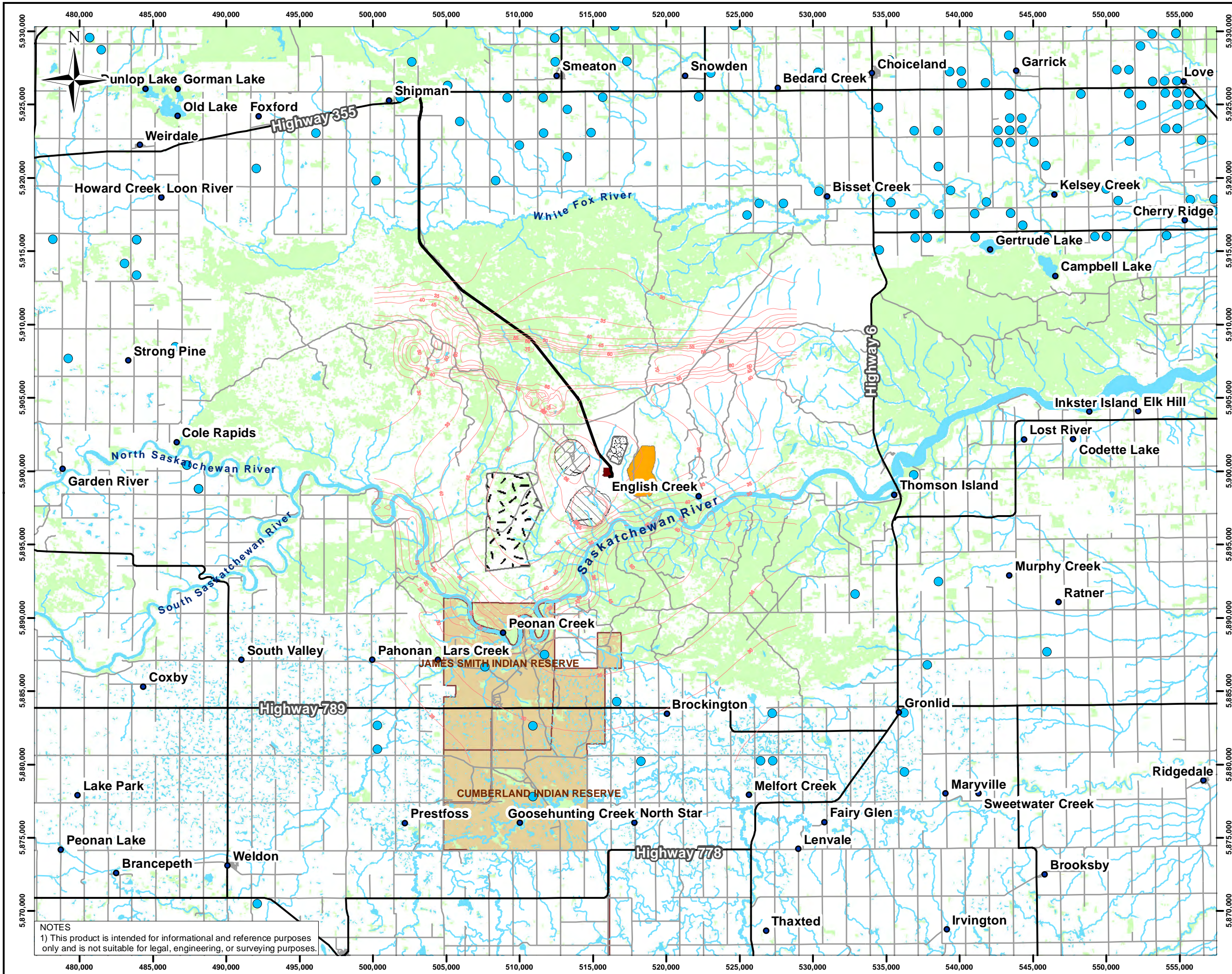


NOTES  
 1) This product is intended for informational and reference purposes only and is not suitable for legal, engineering, or surveying purposes.



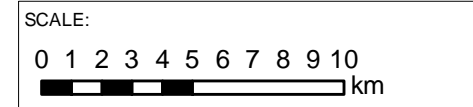
**Star - Orion South  
Diamond Project**

**FIGURE 6.2.6-9  
PRIVATE WELLS AND  
PREDICTED DRAWDOWN  
IN LOWER TILL**



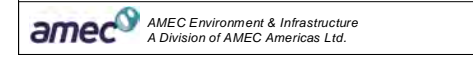
- LEGEND**
- Private Water Wells (> 50m)
  - Access Road
  - Road
  - ~ Watercourse
  - Coarse Process Kimberlite
  - Orion South Pit
  - Star Pit
  - Overburden Pile
  - Plant
  - Process Kimberlite Containment Facility
  - Waterbody
  - Indian Reserve
  - Treed Area
  - Indian Reserve
  - ~ Contour of predicted drawdown in metres (SRK, 2011)

(Note: private water well data from SWA database)



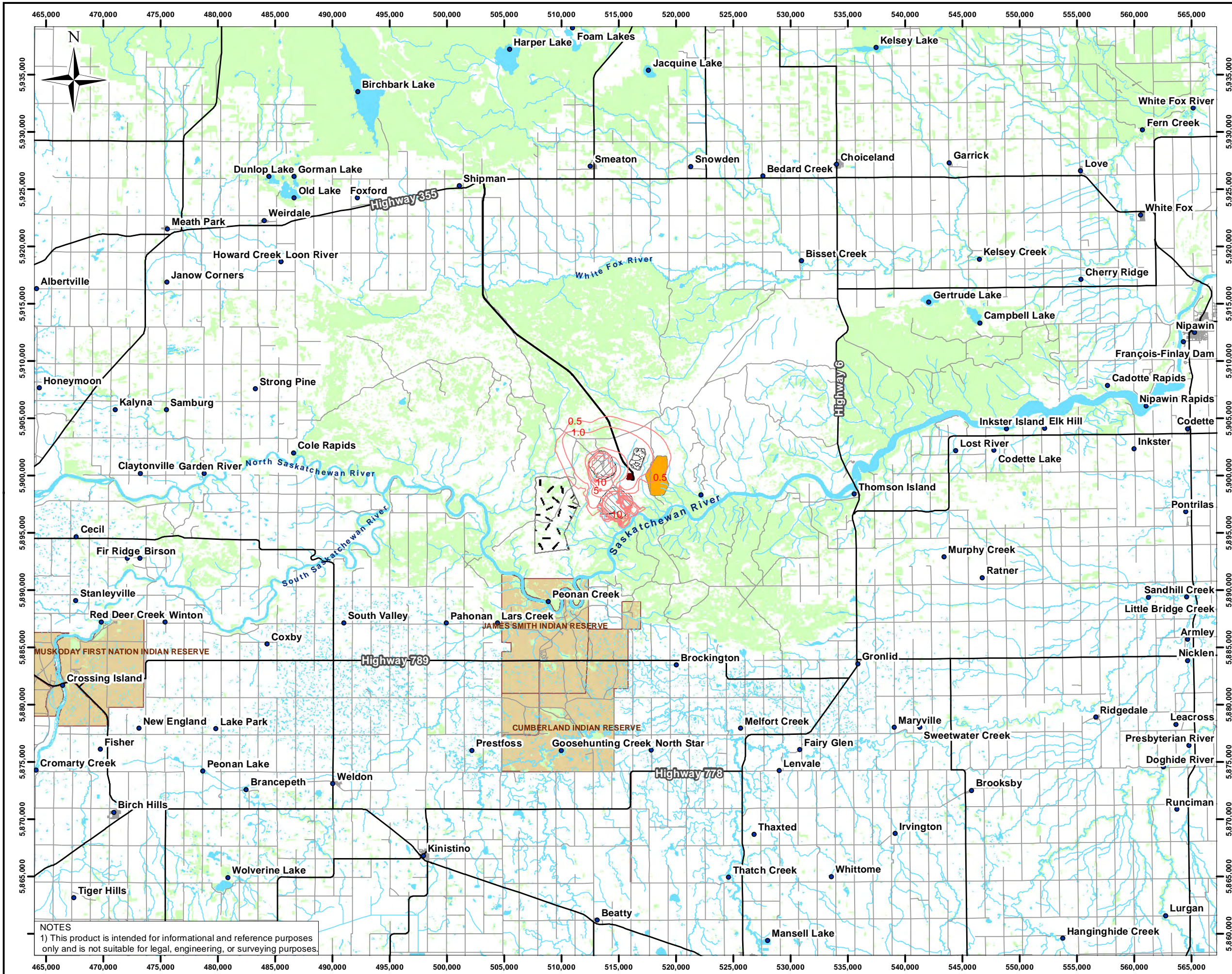
**DATE:** July 31, 2012  
**PROJECT NO.:** SX03733  
**FILE NAME:** 20120731\_PrivateWells  
 DDLowerTill.mxd  
**DATUM:** NAD83 CSRS  
**PROJECTION:** UTM 13N

**NOTES**  
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**Star - Orion South  
Diamond Project**

**FIGURE 6.2.6-10  
RESIDUAL DRAWDOWN  
IN SURFICIAL SANDS**



**LEGEND**

- Access Road
- Road
- Watercourse
- Coarse Process Kimberlite
- Orion South Pit
- Star Pit
- Overburden Pile
- Plant
- Process Kimberlite Containment Facility
- Waterbody
- Indian Reserve
- Treed Area
- Indian Reserve
- Contour of predicted residual drawdown in metres (SRK, 2011)



**SCALE:**

0 2 4 6 8 10  
km

**DATE:** July 31, 2012  
**PROJECT NO.:** SX03733  
**FILE NAME:** 20120731\_Residual  
 DDSurficialSands.mxd  
**DATUM:** NAD83 CSRS  
**PROJECTION:** UTM 13N

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