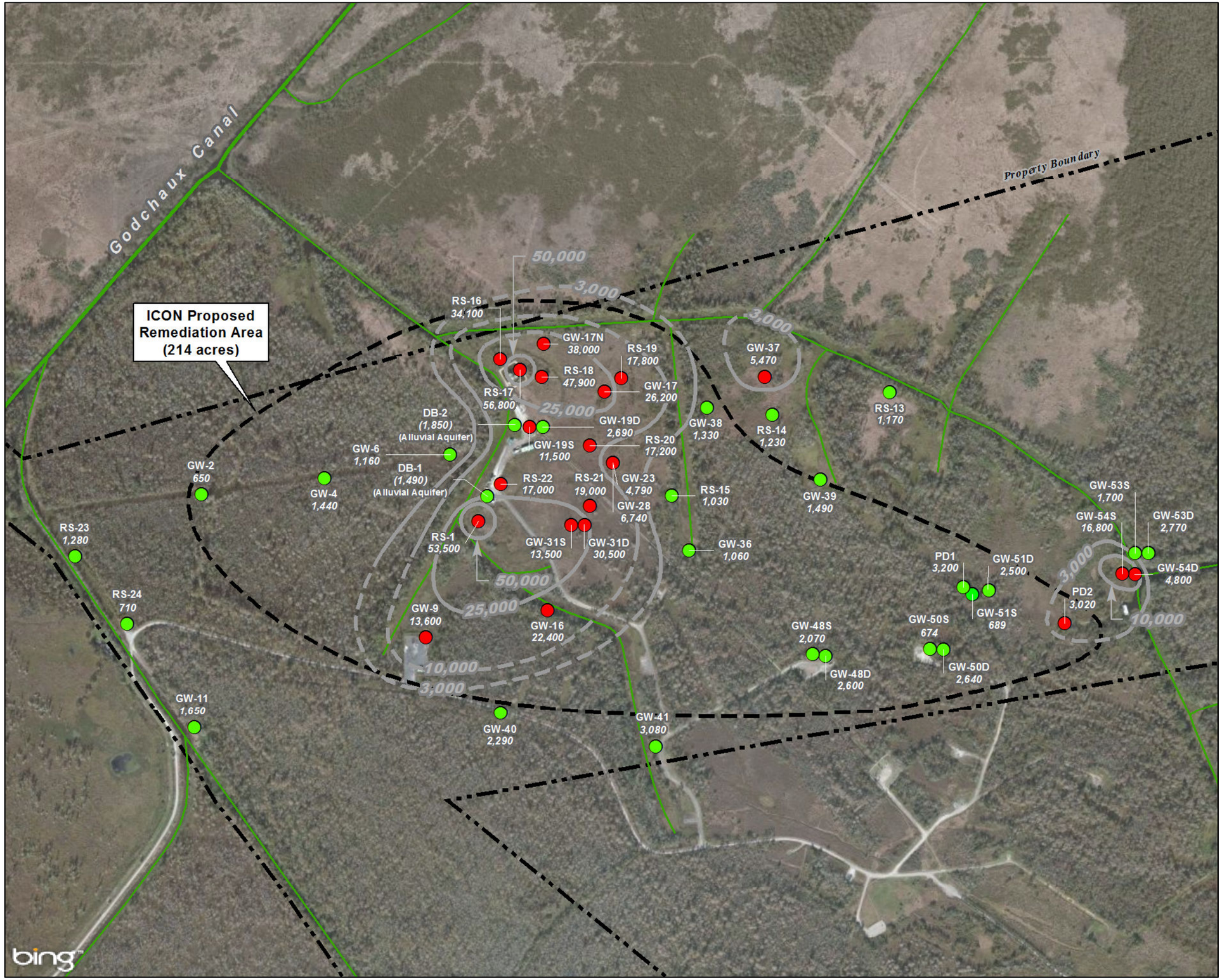

LEGEND

- Monitoring well location where chloride in groundwater is attributable to natural or background sources
- Monitoring well locations with potential produced water signature
- ***53,500*** Chloride concentration in groundwater (mg/L)
- ***(1,490)*** Chloride concentration for sample collected from Mississippi River Alluvial Aquifer. Value not used for contouring.
- Contour line for chloride, dashed where inferred. The 3,000 mg/L contour line indicates the extent of locations potentially associated with produced water (see Figure 6).
- On-site man-made canals
- Property boundary

Notes

1. Groundwater sources based on evaluation by Dr. D. A. Reynolds (see "Expert Report , Sterling Sugars, Inc. vs. Amerada Hess Corporation, et al., Lafourche Parish, Louisiana". Prepared by Dr. D. A. Reynolds, Geosyntec Consultants, March 30, 2015.)
2. As shown on Figure 2, some monitoring wells and temporary wells at the Site were located in very close proximity to one another (e.g., GW-48S and GW-48D). Closely-spaced locations like GW-48S and GW-48D were separated on this figure so that results of the chloride source evaluation could be clearly shown.
3. Background Imagery: Microsoft Bing system via ESRI's ArcGIS Online premium services (http://maps.bing.com).

Feet
0 300 600

Projected Coordinate System
Datum: NAD 1983
STP: Louisiana South; FIPS 1702 (ft)

GSI ENVIRONMENTAL

SOURCES OF CHLORIDE CONCENTRATIONS IN GROUNDWATER (GEOSYNTEC, 2015)

Expert Opinion of John A. Connor, P.E., P.G., BCEE and Shawn M. Paquette, P.E., BCEE
Sterling Sugars, Inc. vs. Amerada Hess Corporation, et al.
Lafourche Parish, Louisiana

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FIGURE 6