

TABLE 2.3-6

BOREHOLE DATA FOR SOUTH HEART SHALLOW OVERBURDEN BOREHOLES FOR OVERBURDEN CHARACTERIZATION

Borehole ID	Coordinates			Total Depth (ft bgs)	Located Within Permit Boundary	Located Within Mine Pit Boundary	Geochemical Analysis Performed
	X	Y	Z				
SOSH-01	1368754	441823	2509	20	Yes	Yes	Yes
SOSH-02	1369300	441263	2499	20	Yes	Yes	Yes
SOSH-03	1368797	443526	2521	20	Yes	Yes	Yes
SOSH-04	1367170	438564	2531	20	Yes	Yes	Yes
SOSH-05	1365965	438951	2518	20	Yes	Yes	Yes
SOSH-06	1365035	438712	2531	20	Yes	Yes	Yes
SOSH-07	1364514	439045	2535	20	Yes	Yes	Yes
SOSH-08	1364566	438225	2552	20	Yes	Yes	Yes
SOSH-09	1365551	438005	2531	20	Yes	Yes	Yes
SOSH-10	1364305	436607	2530	14	Yes	Yes	Yes
SOSH-11	1363766	437251	2551	20	Yes	Yes	No
SOSH-12	1363845	439124	2550	20	Yes	Yes	Yes
SOSH-13	1363118	439173	2565	20	Yes	Yes	Yes
SOSH-14	1362201	437010	2562	20	Yes	Yes	No
SOSH-15	1360674	436860	2550	20	Yes	Yes	Yes
SOSH-16	1359264	436366	2567	20	Yes	Yes	Yes
SOSH-17	1367874	439048	2518	20	Yes	Yes	Yes
SOSH-18	1366981	439124	2511	20	Yes	Yes	Yes
SOSH-19	1366900	438346	2532	20	Yes	Yes	No
SOSH-20	1366762	438777	2517	20	Yes	Yes	Yes
SOSH-21	1366546	438441	2528	20	Yes	Yes	No
SOSH-22	1366408	438124	2521	20	Yes	Yes	Yes
SOSH-23	1365948	437656	2530	20	Yes	Yes	Yes
SOSH-24	1365963	438314	2523	20	Yes	Yes	Yes
SOSH-25	1365606	438543	2526	20	Yes	Yes	Yes
SOSH-26	1365566	439018	2521	20	Yes	Yes	Yes
SOSH-27	1365445	437640	2534	20	Yes	Yes	Yes
SOSH-28	1365252	438303	2535	20	Yes	Yes	Yes
SOSH-29	1365283	438982	2524	20	Yes	Yes	Yes
SOSH-30	1363846	438554	2561	20	Yes	Yes	No
SOSH-31	1363496	438208	2573	20	Yes	Yes	No
SOSH-32	1363190	438707	2575	20	Yes	Yes	No
SOSH-33	1362691	438707	2593	20	Yes	Yes	No
SOSH-34	1362594	438200	2584	20	Yes	Yes	No
SOSH-35	1362124	438506	2587	20	Yes	Yes	No
SOSH-36	1361783	438954	2597	20	Yes	Yes	No
SOSH-37A	1361122	436762	2567	7	Yes	Yes	No
SOSH-37B	1361193	437022	2586	20	Yes	Yes	No
SOSH-38	1360761	437198	2591	20	Yes	Yes	No
SOSH-40	1360297	436611	2552	20	Yes	Yes	Yes
SOSH-41	1360188	436175	2553	20	Yes	Yes	Yes
SOSH-43	1359943	436726	2563	20	Yes	Yes	Yes
SOSH-45	1359690	436224	2565	20	Yes	Yes	Yes
SOSH-46	1359529	436905	2576	20	Yes	Yes	Yes
SOSH-47	1359515	437248	2587	20	Yes	Yes	No
SOSH-49	1359089	437072	2586	20	Yes	Yes	No
SOSH-50	1360459	437459	2593	20	Yes	Yes	No
SOSH-51	1359884	437572	2594	20	Yes	Yes	No
SOSH-52	1361115	437315	2576	20	Yes	Yes	No
SOSH-53	1359254	437532	2596	20	Yes	Yes	No

Notes:

- Coordinate System: State Plane, Zone: North Dakota South FIPS 3302, Datum: NAD 72, Units: Feet
- Shallow Overburden Borehole X and Y coordinates measured by handheld GPS with a 7 meter accuracy
- Shallow Overburden Borehole surface elevation (Z coordinate) calculated from digital elevation model with 2.5 foot vertical accuracy
- "ft bgs" = feet below ground surface