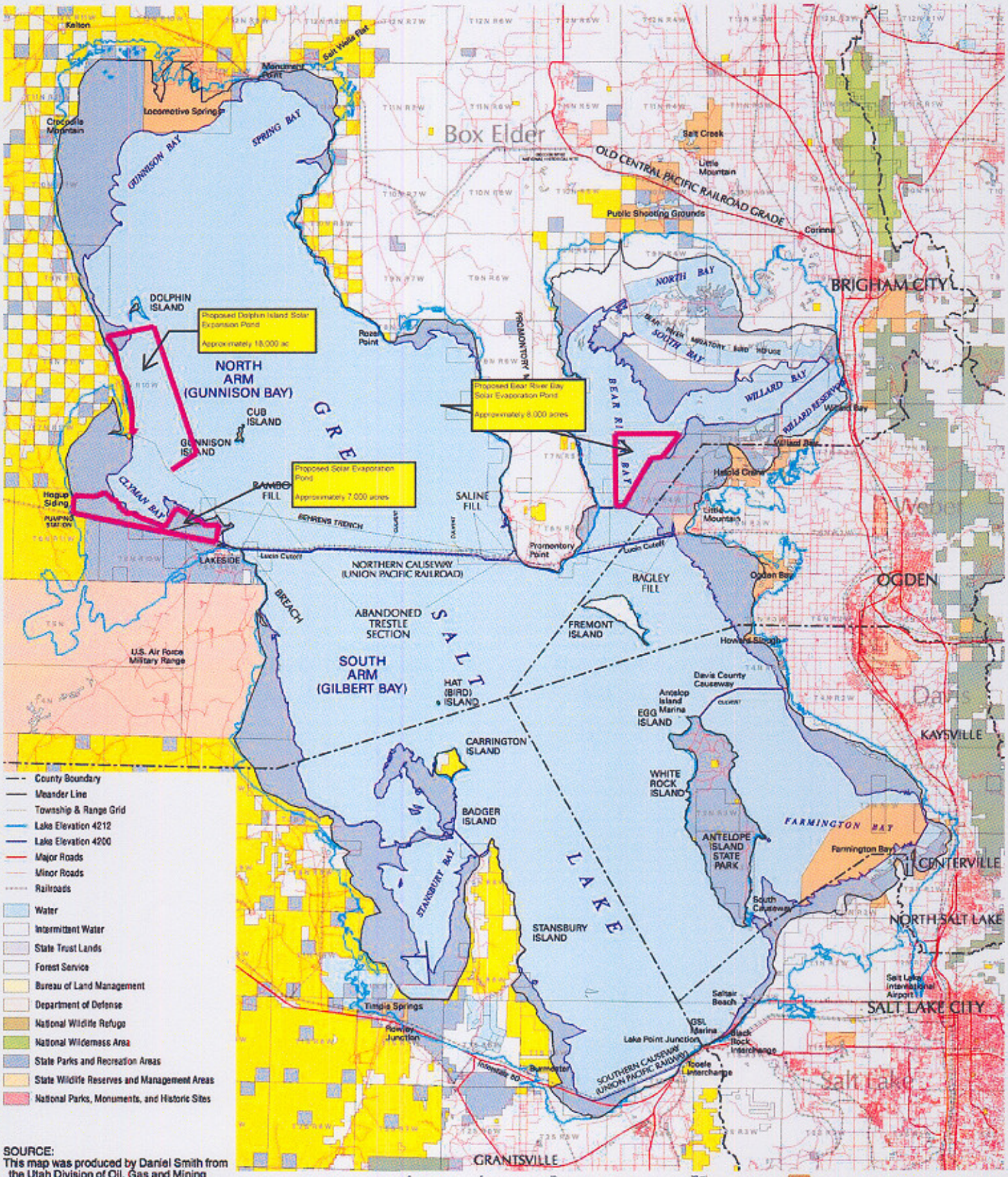
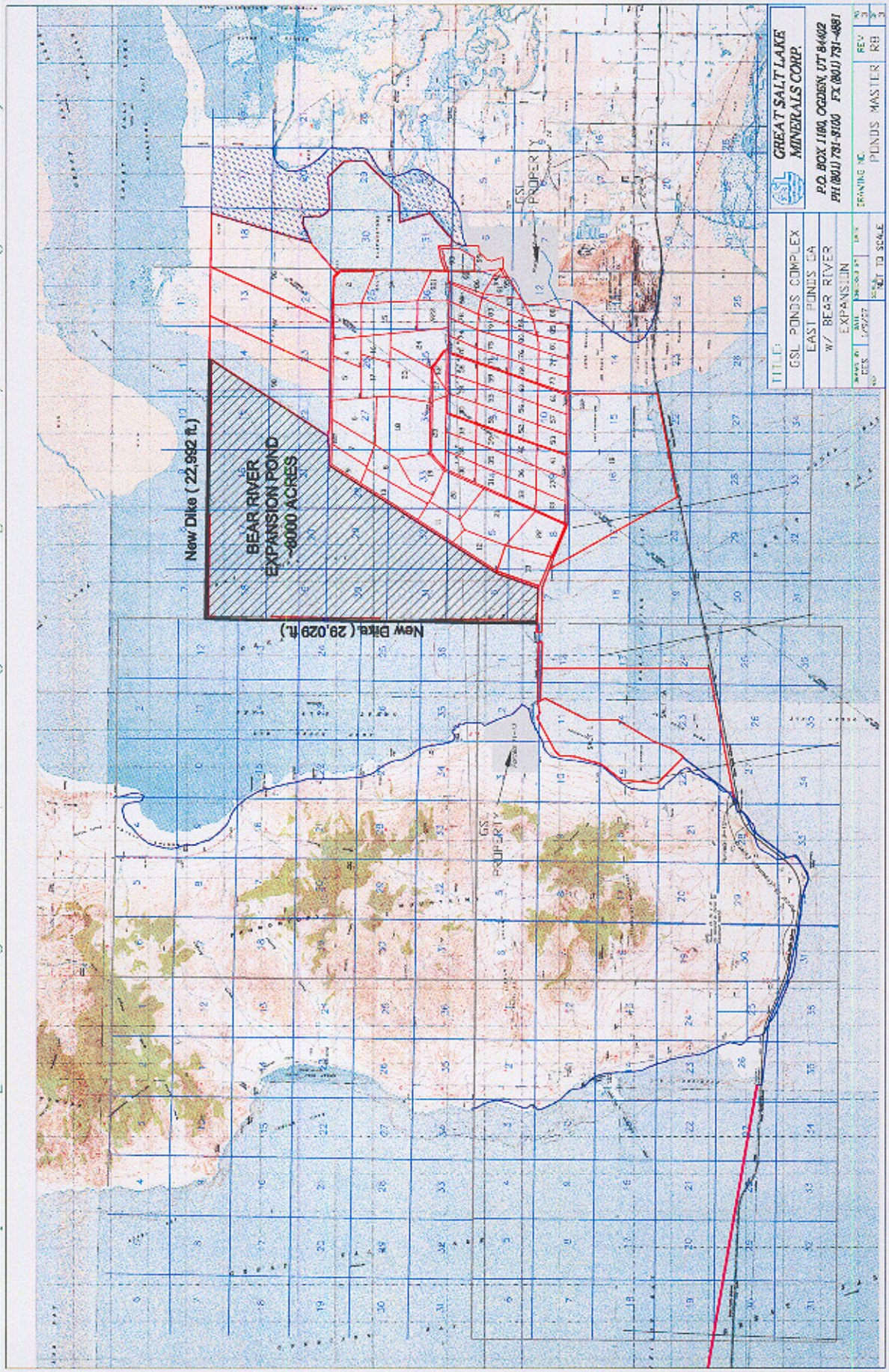
# Exhibit 1 - Great Salt Lake Location Map

*Plotted February 17, 2000*

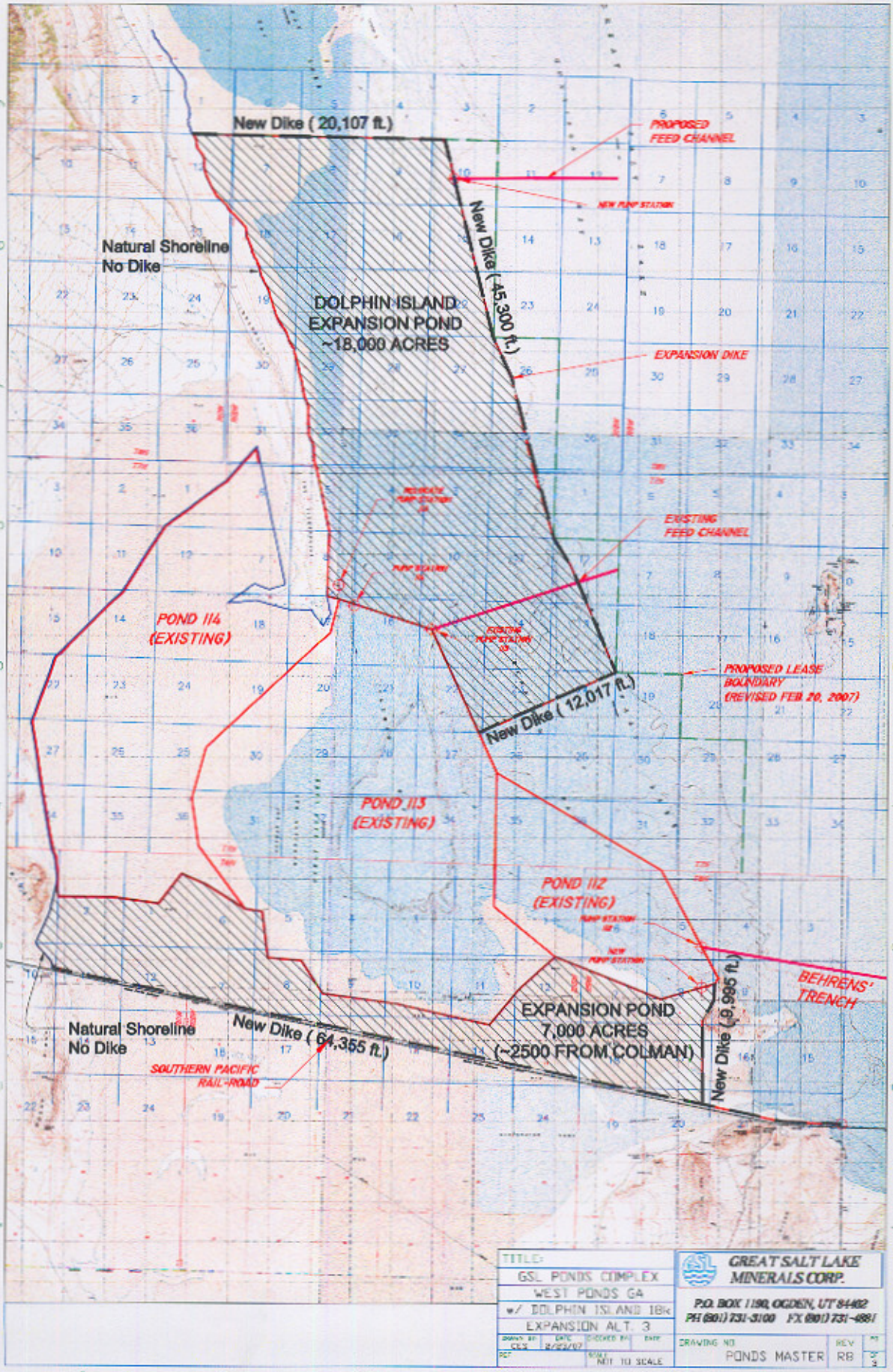



SOURCE:
This map was produced by Daniel Smith from the Utah Division of Oil, Gas and Mining
Information on this map was compiled by the Utah Department of Natural Resources and the Utah Automated Geographic Reference Center.
Official and detailed information is only available through DNR and AGRC.

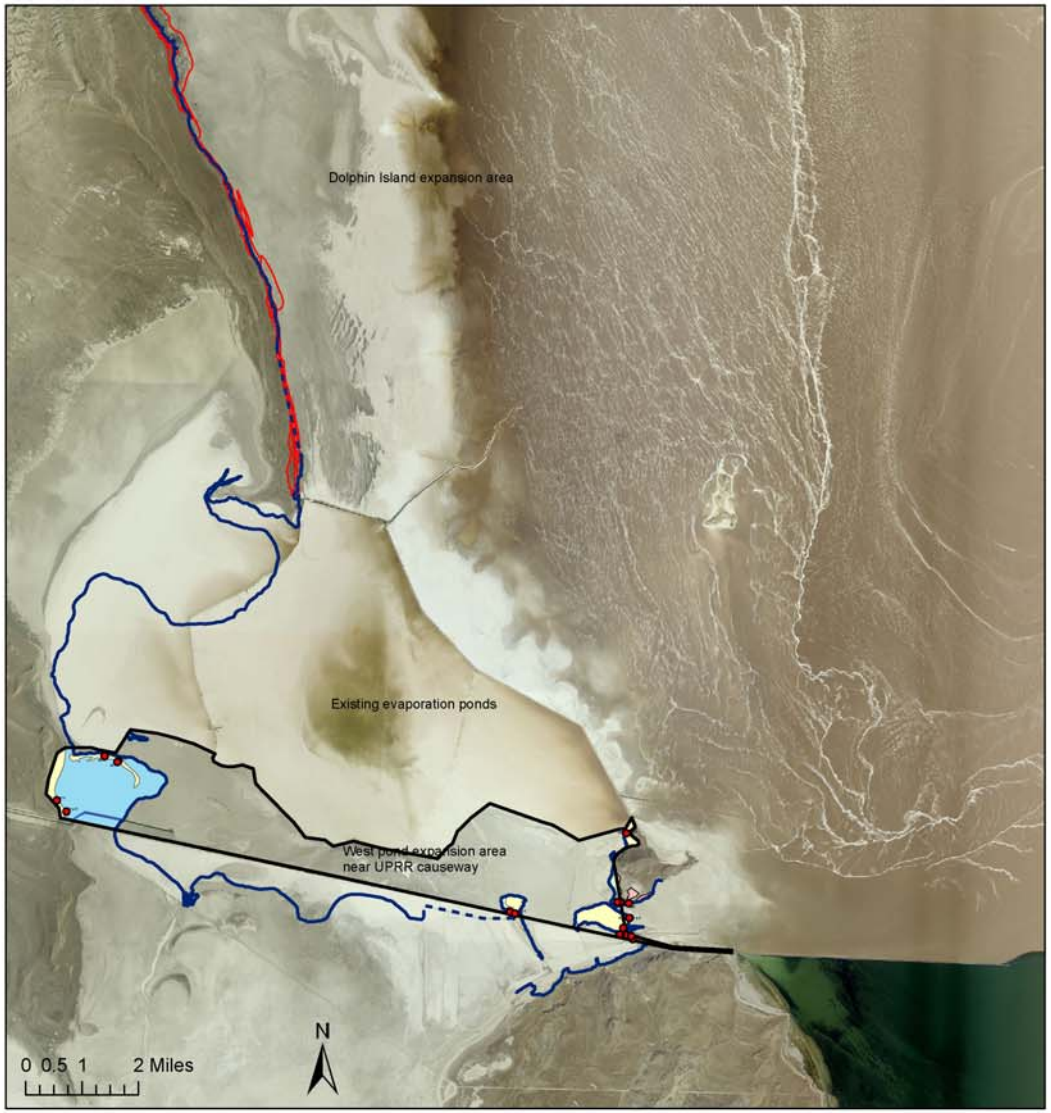
# Exhibit 2: Planned Bear River Bay Solar Pond Expansion In Relation To Existing Ponds



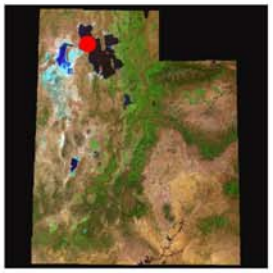
# Exhibit 3: Planned Clyman Bay Solar Pond Expansion In Relation To Existing Ponds



# GSLM West Pond Expansion Area Delineation Overview




Aerial imagery from NAIP 2006

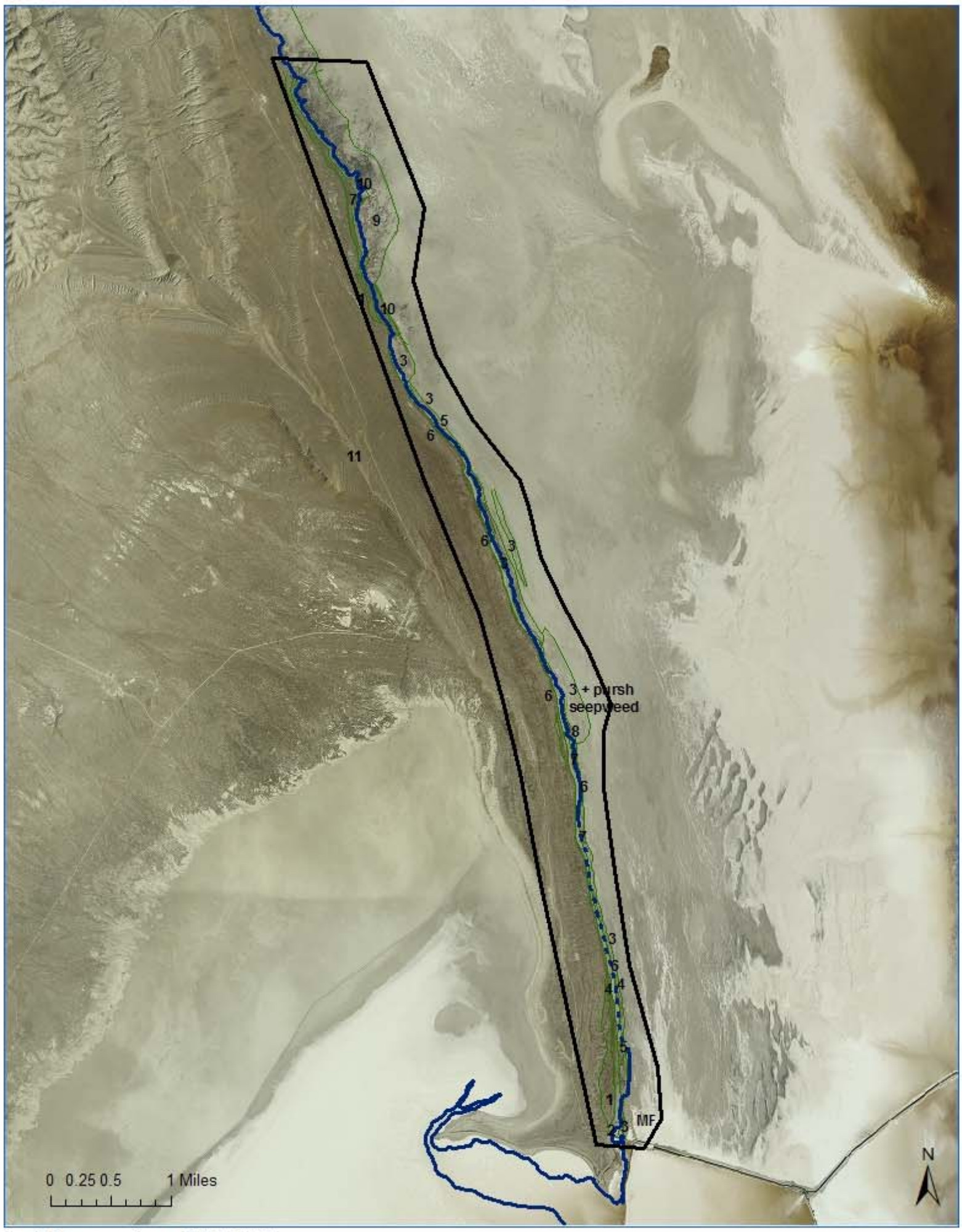


## Legend

- sample points
- Wetland areas outside the proposed project area
- Wetland areas within the proposed project area
- Playa areas outside the proposed project area
- Playa areas within the proposed project area
- Upland
- Excavated channel
- Project boundary
- 4250 foot contour
- Estimated 4205 foot contour

Total project area investigated on-site: 12697.87 acres
Total project area including the entire 18000 acres of
proposed Dolphin Island expansion area : 26727.22 acres
Total wetland area found within area investigated on-site: 45.17 acres
Total lake bed area found within area investigated on-site: 9263.51 acres
Total lake bed including the entire 18000 acres of
proposed Dolphin Island expansion area : 25,055.74 acres
Total playa area found within area investigated on-site: 1102.94 acres
Total upland area found within area investigated on-site: 523.37 acres

# GSLM West Pond Expansion, Dolphin Island Area Delineation




Aerial imagery from NAIP 2006

Dominant vegetation

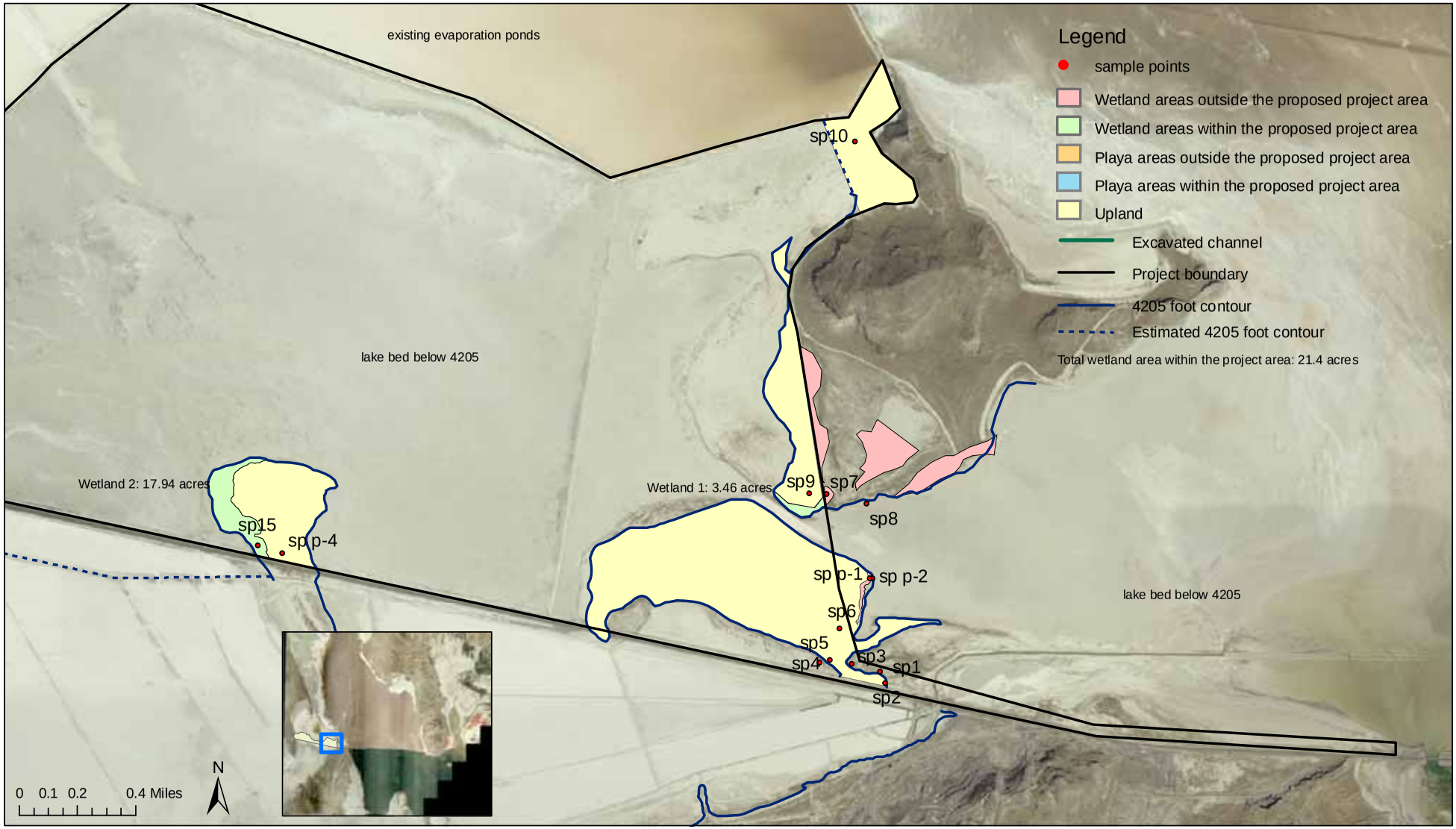
1. Cheatgrass, Shadscale, Russian thistle, Indian ricegrass (sparse)
2. Flixweed, Clasping peppergrass, Fivehorn smotherweed, cheatgrass
3. Fivehorn smotherweed, bare ground
4. Flixweed, Cheatgrass
5. Yellow rabbitbrush
6. Bareground, Cheatgrass, Russian thistle, Foxtail barley at various densities.
7. Foxtail barley, bare ground
8. Yellow rabbitbrush, Greasewood
9. Pickleweed, Fivehorn smotherweed
10. Fivehorn smotherweed, Greasewood, Cheatgrass
11. Shadscale, Greasewood, Cheatgrass, Sagebrush

Dolphin Island Expansion Pond Area = 18,000 acres
Area investigated on-site along meander line = 3,970.65 acres

Legend

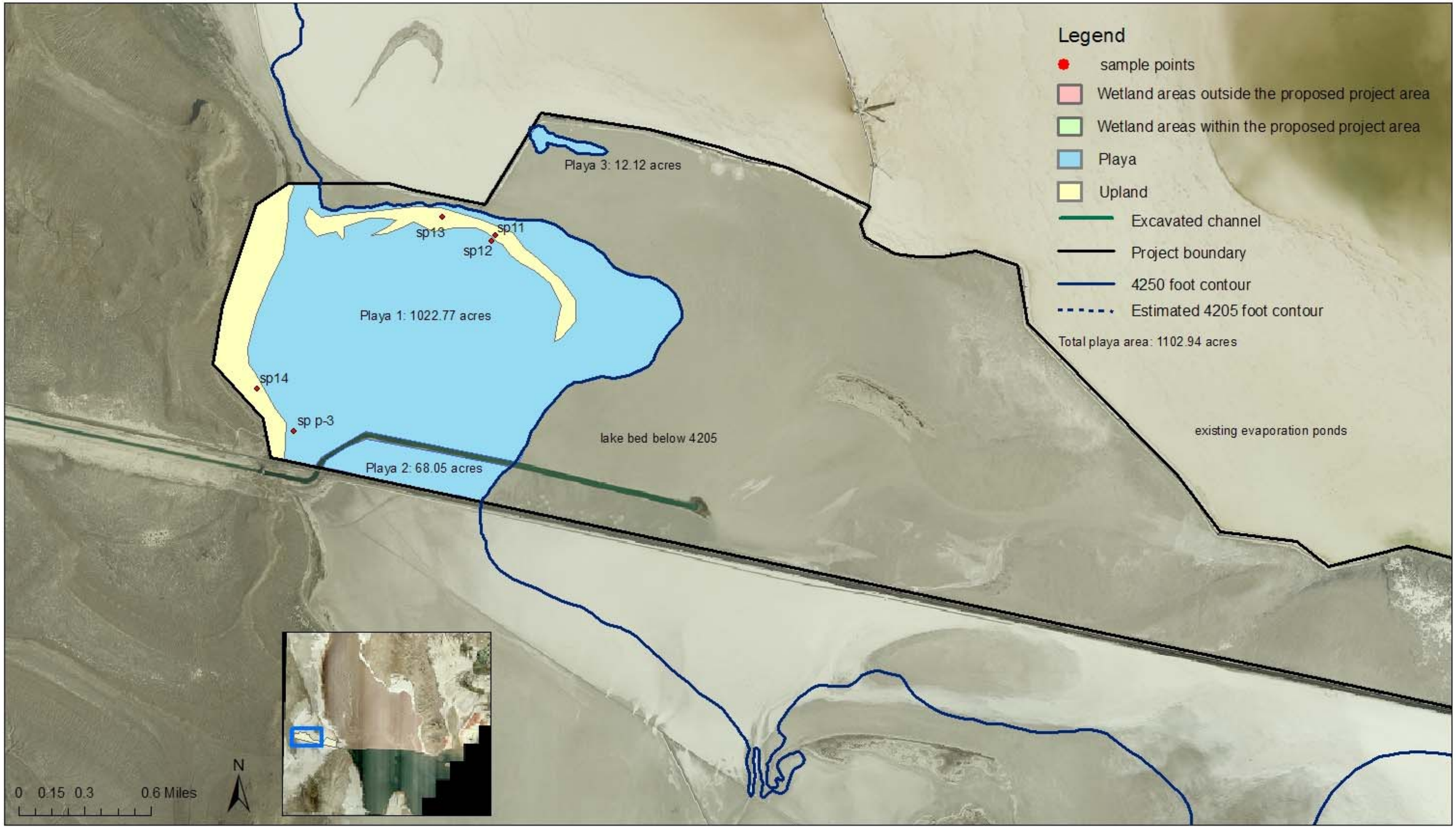
- Area reviewed
- Vegetation mapping
- 4205 foot contour
- Estimated 4205 contour

# GSLM West Pond Expansion Area Delineation



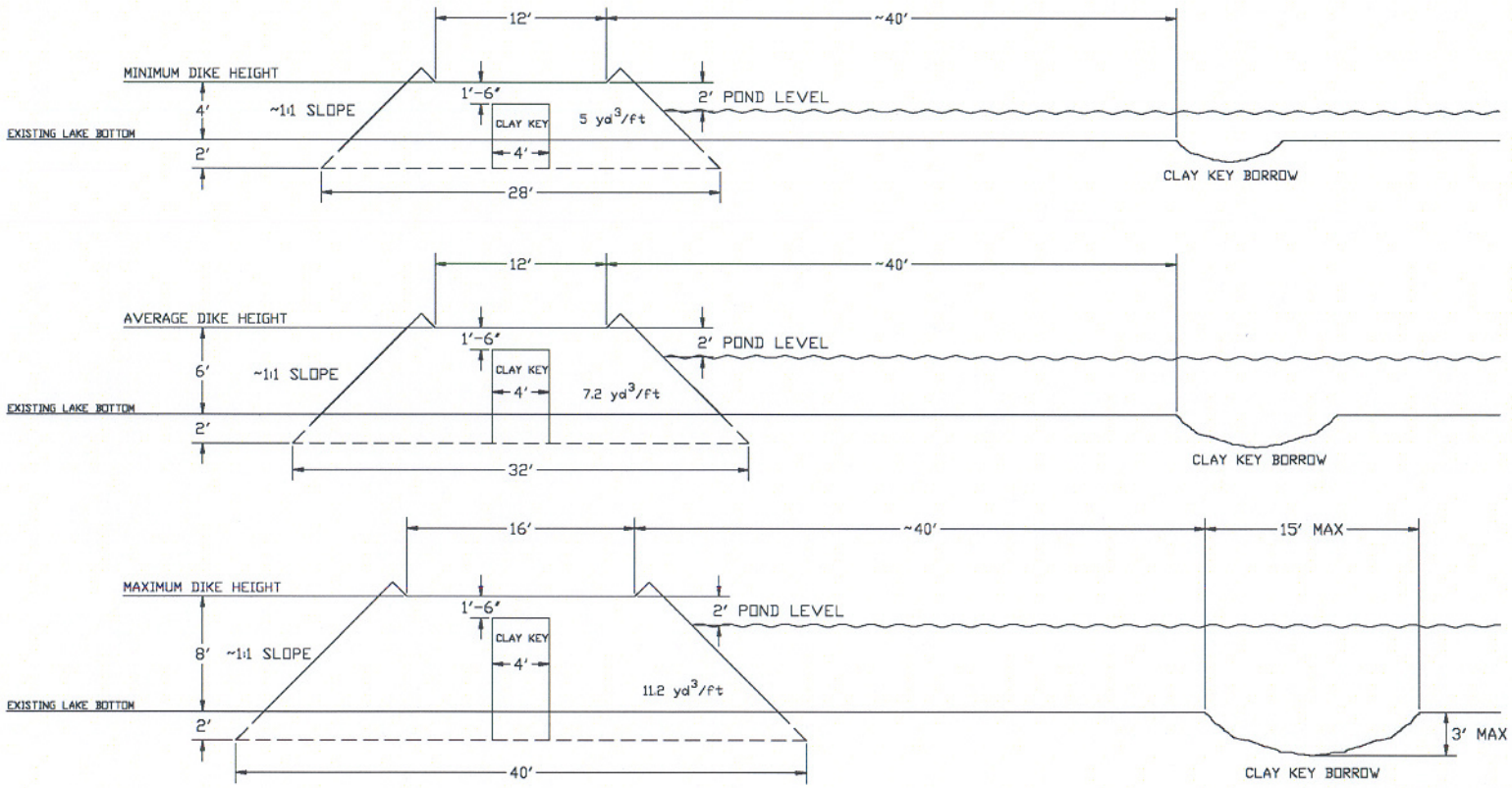

Aerial imagery from NAIP 2006

# GSLM West Pond Expansion Area Delineation




Aerial imagery from NAIP 2006

EXHIBIT 4:
BEAR RIVER EXPANSION DIKE CROSS-SECTIONS



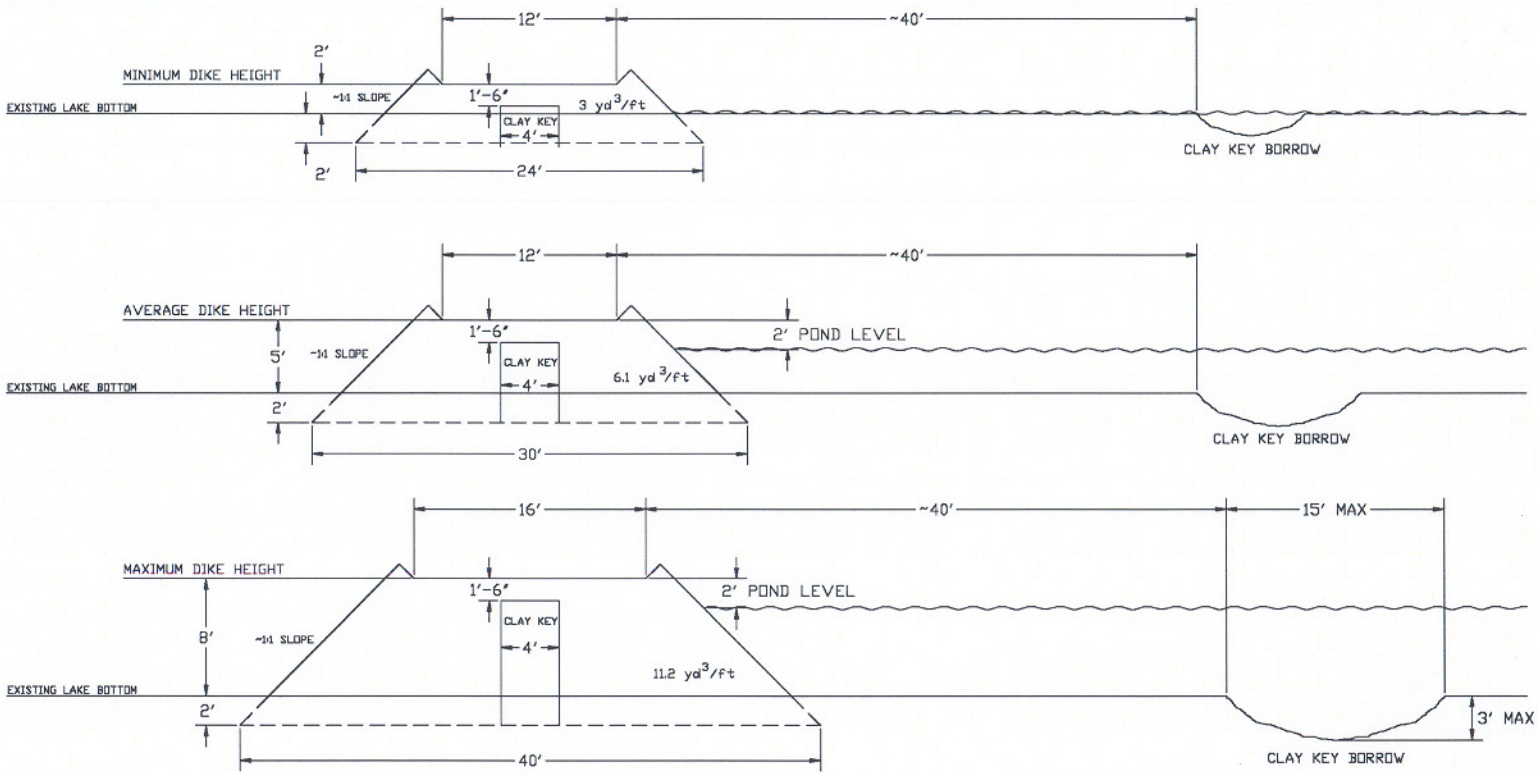

* DIKE ABOVE 6-FEET IN HEIGHT IS 1.5 TIMES THE NORMAL WIDTH FOR ADDED STABILITY.

| TITLE: | | | |
|---|---|---|---|
| SOP EXPANSION | | | |
| BEAR RIVER | | | |
| POND EXPANSION | | | |
| DIKE CROSS SECTIONS | | | |
| DRAWN BY: KLS | DATE 4/24/07 | CHECKED BY TB | DATE 4/24/07 |
| REF | | SCALE NONE | |


GREAT SALT LAKE MINERALS CORP.
P.O. BOX 1190, OGDEN, UT 84402
PH (801) 731-3100 FX (801) 731-4881


| DRAWING NO. | REV | PG |
|---|---|---|
| DPS6001 | 0 | 1 OF 1 |

EXHIBIT 5:
WEST POND EXPANSION DIKE CROSS-SECTIONS




* DIKE ABOVE 6-FEET IN HEIGHT IS 1.5 TIMES THE NORMAL WIDTH FOR ADDED STABILITY.

| TITLE: | | | |
|---|---|---|---|
| SOP EXPANSION | | | |
| WEST | | | |
| POND EXPANSION | | | |
| DIKE CROSS SECTIONS | | | |
| DRAWN BY: KLS | DATE 4/24/07 | CHECKED BY: TB | DATE 4/24/07 |
| REF | | SCALE NONE | |

P.O. B
PH (801

DRAWING