Wetlands Composite Exhibit
SUNCREEK SPECIFIC PLAN AREA
City of Rancho Cordova, California
<table>
<thead>
<tr>
<th>Map Code</th>
<th>Land Use</th>
<th>Acres</th>
<th>Average Density Per Acre</th>
<th>Dwelling Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>LDR</td>
<td>Low Density Residential</td>
<td>169.4</td>
<td>3.31</td>
<td>900</td>
</tr>
<tr>
<td>MDR</td>
<td>Medium Density Residential</td>
<td>322.7</td>
<td>7.80</td>
<td>2,517</td>
</tr>
<tr>
<td>CMDR</td>
<td>Compact Medium Density Residential</td>
<td>22.1</td>
<td>14.23</td>
<td>286</td>
</tr>
<tr>
<td>HDR</td>
<td>High Density Residential</td>
<td>43.6</td>
<td>22.80</td>
<td>994</td>
</tr>
<tr>
<td>VC</td>
<td>Village Commercial</td>
<td>22.6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LTC</td>
<td>Local Town Center Commercial and Employment Center</td>
<td>58.4</td>
<td></td>
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<tr>
<td>PGP</td>
<td>Public/Quasi-Public</td>
<td>13.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PP</td>
<td>Pocket Park/Neighborhood Green</td>
<td>4.3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Park</td>
<td>Park</td>
<td>87.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PC</td>
<td>Parkway, Paseos and Trails</td>
<td>6.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WB</td>
<td>Wetland Preserve Buffer</td>
<td>46.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DB</td>
<td>Detention Basin</td>
<td>48.6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DB</td>
<td>Stormwater Canal</td>
<td>5.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wetland</td>
<td>Wetland Preserve</td>
<td>203.7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>School</td>
<td>School</td>
<td>130.6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Minor Road</td>
<td>Minor Roads</td>
<td>23.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Major Road</td>
<td>Major Roads</td>
<td>78.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>1,265.5</td>
<td></td>
<td>4,687</td>
</tr>
</tbody>
</table>

Source: MacKay & Somps 2012

Legend:
- Property Boundary
- LDR: Low Density Residential
- MDR: Medium Density Residential
- CMDR: Compact Medium Density Residential
- HDR: High Density Residential
- VC: Village Commercial
- LTC: Local Town Center Commercial and Employment Center
- PGP: Public/Quasi-Public
- PP: Pocket Park/Neighborhood Green
- Park: Park
- PC: Parkway, Paseos and Trails
- WB: Wetland Preserve Buffer
- DB: Detention Basin
- Stormwater Canal
- Wetland Preserve
- School
- Minor Road
- Major Road
- Total:

Provisional Project Alternative Land Use Plan

Figure 3 of 19
**TOTAL AVOIDANCE & IMPACT**

<table>
<thead>
<tr>
<th>Avoided</th>
<th>Direct Impacts</th>
<th>Wetlands within 250' of Development</th>
<th>Existing Acreage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cattle</td>
<td>Other</td>
<td>Cattle</td>
<td>Other</td>
</tr>
<tr>
<td>Ephemeral Pool</td>
<td>12.714</td>
<td>13.575</td>
<td>0.930</td>
</tr>
<tr>
<td>Endemic Wetland</td>
<td>1.334</td>
<td>1.031</td>
<td>0.063</td>
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<tr>
<td>Stream</td>
<td>1.140</td>
<td>4.405</td>
<td>0.115</td>
</tr>
<tr>
<td>Intermittent Drainage</td>
<td>0.000</td>
<td>0.174</td>
<td>0.000</td>
</tr>
<tr>
<td>Pond</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
</tr>
<tr>
<td>Fens</td>
<td>2.087</td>
<td>2.020</td>
<td>1.489</td>
</tr>
<tr>
<td>Isolated Wetland</td>
<td>0.000</td>
<td>0.012</td>
<td>0.000</td>
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<tr>
<td>Total</td>
<td>39.498</td>
<td>22.570</td>
<td>10.016</td>
</tr>
</tbody>
</table>

**NOTES**

- Gross project acreage: 4.136 ac.
- Gross preserv acreage: 4.198 ac.

Base data source: Wade Associates.

This exhibit displays wetland/water information and data from several sources. Wetland boundaries have not been legally surveyed and may be subject to adjustments if final locations are required. In most instances, acreages are subject to verification by the U.S. Army Corps of Engineers. Some wetland features may appear outside of depicted boundaries and were left as is pending Army Corps of Engineers verification.

The project boundary extant depicted on this graphic has been provided by Wade Associates. The boundary coordinates were generated using the MGS2 base data and were provided in the Californiata State Plane projection, Grid Units. This boundary is expected to be spatially precise to California requirements, but ECORP holds no liability for the accuracy of the boundary.

1 Includes 0.771 acres of wetlands added during Shalako Property verification meeting.
2 Acreage is for all wetland features within 250’ of development. A detailed analysis has not yet been conducted to determine potential indirect impacts.
3 Offsite wetland acreages are based on interpretation of aerial photography.

**MAP LEGEND**

- SunCreek Specific Plan Area
- Property Boundaries
- 250-Foot Indirect Impact Area
- Wetland Preserve Boundary

**LAND USES**

- Infrastructure Footprint 02/02/2011
- Village Commercial
- Compact Medium Density Residential
- Detention Basin
- High Density Residential
- Low Density Residential
- LTC
- Medium Density Residential
- Park
- Parkway, Paseos and Trails
- Pocket Park/Neighborhood Green
- Public/Quasi-Public
- School
- Stormwater Canal
- Boulevard
- Minor Roads
- Wetland Preserve Buffer (calculated as impact)
Proposed Project Alternative Backbone Infrastructure

SunCreek Specific Plan Project DEIR/DEIS
City of Rancho Cordova and USACE

2-17

AECOM
Alternatives

Figure 5 of 19
Figure 3. Wetland Delineation

Sierra Sunrise

- Existing Acreage
  - Vernal Pool: 4.060
  - Seasonal Wetland: 0.289
  - Swale: 2.584
  - Ephemeral Drainage: 0.000
  - Intermittent Drainage: 0.943
  - Pond: 2.056
  - Stream: 0.000
  - Isolated Vernal Pool: 0.000
  - Total: 9.932

Map Date: 12/7/2010

Existing Acreage

<table>
<thead>
<tr>
<th>Type</th>
<th>Acreage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vernal Pool</td>
<td>4.060</td>
</tr>
<tr>
<td>Seasonal Wetland</td>
<td>0.289</td>
</tr>
<tr>
<td>Swale</td>
<td>2.584</td>
</tr>
<tr>
<td>Ephemeral Drainage</td>
<td>0.000</td>
</tr>
<tr>
<td>Intermittent Drainage</td>
<td>0.943</td>
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<tr>
<td>Pond</td>
<td>2.056</td>
</tr>
<tr>
<td>Stream</td>
<td>0.000</td>
</tr>
<tr>
<td>Isolated Vernal Pool</td>
<td>0.000</td>
</tr>
<tr>
<td>Total</td>
<td>9.932</td>
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</table>
**WATER OF THE U.S. ACREAGE**

<table>
<thead>
<tr>
<th>CLASSIFICATION</th>
<th>ACREAGE</th>
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</thead>
<tbody>
<tr>
<td>Vernal Pool</td>
<td>9,630</td>
</tr>
<tr>
<td>Seasonal Wetland</td>
<td>3,430</td>
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<td>Temporary Water</td>
<td>1,690</td>
</tr>
<tr>
<td>CRW / Native</td>
<td>4,610</td>
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</tbody>
</table>

**NOTES**

Some playa areas are 100% dry. Wetland water data source: ECP Consulting. Inc. (ECORP)

*Identification source: U.S. Geological Survey (USGS)*

*Wetland delineation field verification visits will be conducted on 25 April 2019 and 26 April 2019*

*By: A. Sutton (ECORP)*

The wetland area information and data produced is accurate with the USGS prioritize... (continued text)

*Revised 2020.06.07*

**JAEGGER RANCH**

**WETLAND DELINEATION**

**VIRGINITY MAP**

**NRCS SOIL TYPES**

**OTHER WATERS**
Figure 3. Wetland Delineation

Smith Property

<table>
<thead>
<tr>
<th>Existing Acreage</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Vernal Pool</td>
<td>1.350</td>
<td></td>
</tr>
<tr>
<td>Seasonal Wetland</td>
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<tr>
<td>Swale</td>
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<td>Intermittent Drainage</td>
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</tr>
<tr>
<td>Pond</td>
<td>0.000</td>
<td></td>
</tr>
<tr>
<td>Stream</td>
<td>0.000</td>
<td></td>
</tr>
<tr>
<td>Isolated Vernal Pool</td>
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<tr>
<td>Total</td>
<td>3.593</td>
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</tr>
</tbody>
</table>

2009-142 Sun Creek Specific Plan

Figure 9 of 19
Proposed Off-Site From Road/Sunrise Boulevard Water Pipeline

Source: MacKay & Somps 2011b
CONVERT EXISTING RAW WATER PIPELINE TO TREATED WATER SERVICE

TEMPORARILY SHUTDOWN EXISTING ZONE 40 EXCELSIOR WELL FIELD

ZONE 40 CENTRAL SURFACE WATER TREATMENT PLANT (UNDER CONSTRUCTION)

CONSTRUCT PHASE 1 OF NSA PIPELINE

CONNECT TO EXISTING RAW WATER PIPELINE

FREEPORT REGIONAL WATER AUTHORITY PIPELINE (UNDER CONSTRUCTION)

PROPOSED STORAGE TANK (ALTERNATE LOCATIONS) (FUTURE)

EXISTING RAW GROUND WATER PIPELINE

EXISTING WATER TRANSMISSION PIPELINE

PROPOSED OFFSITE WATER TRANSMISSION PIPELINE

PROPOSED NORTH AREA SERVICE (NSA) PIPELINE

PROPOSED RAW SURFACE WATER PIPELINE (FRWA)

PROPOSED RAW GROUND WATER PIPELINE

LEGEND

Source: MacKay & Somps 2011b

Figure 12 of 19
Proposed Natural Gas Facilities Plan

SunCreek Specific Plan Project DEIR/DEIS
City of Rancho Cordova and USACE

Exhibit 2-18

Figure 13 of 19
LEGEND
- Rancho Cordova Parkway
- Minor Arterial Street
- Collector Street with Median
- Collector Street without Median
- Pedestrian Street
- Preliminary location of Traffic Signals
- Locations to be verified by traffic analysis and warrants.

Source: Wade Associates 2010
Figure 17 of 19

Exhibit 2-21

Proposed Bike Trail Master Plan

Source: Wade Associates 2010, Adapted by AECOM in 2010

LEGEND
- Park
- School
- Wetland Preserve
- Open Space Trails and Neighborhood Greens
- Detention Basin
- Primary Trail
- Pedestrian/Bike At-Grade Signalized Safety Crossing
- Pedestrian/Bike Grade Separated Crossing

Future Connections to Laguna Creek Trail

Future Connection to American River Bike Trail
Typical Hydromodification Detention Basin Plan

Source: MacKay & Somps 2011c

Exhibit 2-6

SunCreek Specific Plan Project DEIR/DEIS
City of Rancho Cordova and USACE

Figure 18 of 19
Figure 19 of 19

Cross-Section Detail of Typical Hydromodification Detention Basin

Source: MacKay & Somps 2011c

Exhibit 2-7