“The views, opinions and findings contained in this report are those of the authors(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation.”
• February 10, 2016
  • Improve Quality and Consistency
  • Simplify Review and Processing
  • Applies to all submittals to

Exceptions determined on a case-by-case basis
- Less than 0.10 acre permanent impacts
- Limited Financial Resources (grant funding for restoration)
- Emergencies
1. GENERAL STANDARDS

a. Must include:
   - Location (Vicinity)
   - Plan View Maps
   - Cross-sectional views
   - Delineation maps showing
     • Project area,
     • Staging areas,
     • Disposal sites,
     • Access routes, and
     • Mitigation sites

b. Same Orientation for all maps (North up)

d. Indicate reference elevation datum
f. **Base Map:**

- Aerial photographs must be orthorectified
- Date and source of imagery identified on map
- Date of imagery should be when aquatic resources are visible (e.g. wet season)
- At least one map showing topography
1. GENERAL STANDARDS

g. Format:

- Submit both paper and electronic versions,
  - Adobe PDF
- Fold larger maps to fit within an 8.5” x 11”
- GIS data and associated metadata
  - ESRI shapefiles
1. GENERAL STANDARDS

h. Plan View:

- Two control points with Lat/Long
- North Arrow
- Bar **and** text scale, not to exceed 1” = 400’
- Legend (Area in parenthesis for each item)
- Date prepared/revised
- Name & Organization of preparer
- Appropriate landmarks
2. LOCATION (VICINITY) MAPS

a. USGS 7.5-minute quadrangle basemap
b. Does not need to be to scale
c. Include north arrow
d. Project location clearly marked
e. Include roadways and landmarks
3. PROPOSED PROJECTS

a. Show all fill, structures, limits of work within all potential waters of the U.S.

b. Show delineated waters within project area

c. Label all impacts to waters

d. Identify if Permanent or Temporary

g. Completed ORM impacts sheet
4. POST CONSTRUCTION DRAWINGS (AS-BUILT PLANS)

a. Both plan view and cross-sectional view

b. Same size and alignment as authorized grading plans

c. Show deviations from authorized plans in red
5. DELINEATION MAPS

a. Plan view
b. Cross-sectional upon request
c. Clearly identify survey area
d. Show location and extent of all potential waters of the U.S.
   - Each water type must be differentiable
e. Location of all paired data points
f. OHWM widths
5. DELINEATION MAPS

i. Identify Ordinary High Water Mark

j. Each polygon must be clearly labeled
   - Feature type and unique number
     (i.e. SW1, SW2, VP1, VP2, etc.)

k. Completed ORM Aquatic Resources sheet

l. GIS Data with same polygons names and metadata text file
Figure X:
Delineation of Wetlands and Other Waters of the U.S. for the Hypothetical Project Site

Legend
- Map Reference Point
- Survey Area Boundary (XXX Acres)
- Upland Sampling Point
- Wetland Sampling Point
- Topography (10-foot Contour Interval)
- Wetlands (XXX acres)
- Wetland Pond (XXX acres)
- Wetland (XXX acres)
- Other Waters (XXX acres)
- Ephemeral Drainage (XXX acres)
- Intermittent Stream (XXX acres)
- Perennial Stream (XXX acres)

Coordinate System: NAD 1983 UTM Zone 10N
Projection: Transverse Mercator
Datum: North American 1983
Vertical Datum: NAVD88, U.S. Feet
1 inch = 220 feet
Created on April 30, 2015
Revised on February 3, 2016

Made in accordance with the
Upstream Mitigation Banking Processing for the
South Pacific Division Regulatory Program,
as amended on February 10, 2016.
By
James Odell, Project Manager
Environmental and Special Projects Unit
U.S. Army Corps of Engineers
South Pacific Division
Sacramento District, Regulatory Division
1234 J Street, 1st floor 1250
Sacramento, California 95814-0932
6. MITIGATION PLANS

a. Both plan view and cross-sectional view
b. Clearly differentiable Aquatic Resource type and Mitigation type
c. Each polygon must be clearly labeled with unique name
d. Shown Relative to other landscape features or Habitat types
e. Completed ORM mitigation sheet
Figure X:
Mitigation Plan and
Long-term Preservation Map for the
Hypothetical Mitigation Project Site

Legend
- Project/Preserve Boundary (XXX Acres)
- Topography (10-foot Contour Interval)
- Map Reference Point

Pre-project Delineation
Wetland Type
- Open Water (XXX acres)
- Vernal Pool (XXX acres)
- Wetland (XXX acres)

Proposed Mitigation
Mitigation Type
- Open Water Enhancement (XXX Acres)
- Vernal Pool Establishment (XXX acres)
- Wetland Establishment (XXX acres)
- Wetland Re-establishment (XXX acres)
- Wetland Rehabilitation (XXX acres)

Coordinate System: NAD 1983 UTM Zone 10 N
Projection: Transverse Mercator
Datum: North American 1983
Vertical Datum: NAVD88, U.S. Feet
1 inch = 250 feet

Created on April 15, 2013
Revised on February 3, 2016

Made in accordance with the
Updated Mitigation Delineation Process for the
South Pacific Division Regulatory Program,
as amended on February 10, 2016, by:

US Army Corps of Engineers
South Pacific Division
Sacramento District, Regulatory Division
1225 J Street, Room 150
Sacramento, California 95814-0972

US Army Corps of Engineers
7. Mitigation Monitoring Report

a. Identify each mitigation area as indicated in Sec 6. Mitigation Plans

b. Show sampling present in report
   - Locations
   - Extent of sampling points
   - Transects, quadrats, etc…
8. GROUND PHOTOGRAPH MAP

a. Any ground photos must be accompanied by a map of photo points

b. Labeled with unique name and Compass direction (arrow or name, e.g. P1-NW, or P1-315°)

c. Include a table

- Name and date of photo
- Coordinates (Lat/Long)
- Compass direction
- Brief explanation of relevance
ADDITIONAL HELPFUL INFO

- Topographic maps
- LIDAR (Light Detection and Ranging)
- NWI (National Wetland Inventory)
- Satellite Photos
- Aerial and Ground Photos
- Floodplain Maps
Questions?
Questans
Sacramento District Regulatory Office:
Main:  916-557-5250
FAX:  916-557-7803

Zachary Simmons:  916-557-6746
Zachary.M.Simmons@usace.army.mil