

Exhibit 3: Site-Specific Project Descriptions

PROJECT 1

<u>Notification Categories</u>	<u>Project Information</u>
▪ Project/Location	Altamont Quad, S30, T2S, R3E
▪ Nature of work and Project Need	Sedimentation threatens integrity of the pond and wildlife habitat.
▪ Project Description	Desedimentation of a livestock pond. Pond is currently filled in with sediment and cattails. Project work would consist of removing sediment and cattails. Some cattails will be left intact. Approximately 500 cubic yards of sediment will be removed. Sediment will be placed in an appropriate location as identified in the field by a qualified biologist or hauled off-site. All disturbed areas will be re-seeded with the appropriate native plant mixture of grasses and forbs. Project will be designed to meet the specifications of a wildlife-friendly pond to improve habitat for aquatic species, including California red-legged frog and California tiger salamander.
Stream Name	Unnamed tributary to Arroyo de la Laguna, which is a tributary to Alameda Creek
NRCS Conservation Practices to be Installed	<ul style="list-style-type: none"> ▪ Pond (378R) ▪ Obstruction Removal (500) ▪ Critical Area Planting (342)
Project Dimensions	<ul style="list-style-type: none"> ▪ Project Footprint: 0.2 acres (8712 ft²) ▪ Pond: No increase in original storage capacity ▪ Obstruction Removal: 500 CY of sediment removed
Approximate Volume of Discharge below OHWM and Top of Bank	OHWM: 0 TOB: 0
Approximate Surface Area below OHWM and Top of Bank	OHWM: 0.08 acres (3485 ft ²) TOB: 0.08 acres (3485 ft ²)
Vegetation Impacted	~0.05 acres (2718 ft ²) of cattails will be removed. Some cattails will be left intact for wildlife habitat. Disturbance of annual grasses.
Surrounding Environment/Adjacent Land Use	Grazed Range. Altamont Road and Railroad Tracks are adjacent to the ranch.
Known or Potential Presence of Listed Species	Low potential presence of listed species. Pond is currently dry. CNDDDB: 1993- California tiger salamander 0.76 miles from pond & 2002- California red-legged frog 1.4 miles from pond
Presence of Barriers to Aquatic Species Migration	Major downstream barriers on Alameda Creek prevent steelhead access to this portion of the watershed.
Estimated # of Creek Crossings & Type of Vehicle	Some work will take place in the pond when sediment removal can not be achieved from dam or banks of pond. Small backhoe and bobcat will be used to remove sediment.
Miscellaneous	Pond sedimentation seems to have occurred from a one time event from disturbance upstream. Pond dries up every year.

Exhibit 3: Site-Specific Project Descriptions

PROJECT 2

<u>Notification Categories</u>	<u>Project Information</u>
▪ Project/Location	Sunol, CA
▪ Project Need	Spillway erosion threatens integrity of livestock pond and wildlife habitat. Gully leading to the pond causing increased sedimentation.
▪ Project Description	Repair of a livestock pond spillway and gully in drainage leading to pond. Spillway repair will consist of removal of concrete rubble, land shaping, placement of corrugated metal pipe, and rock riprap. Gully repair will consist of removal of concrete rubble, land shaping, grassed waterway, and a rock riprap energy dissipater at the beginning of gully. All disturbed areas will be re-seeded with the appropriate native plant mixture of grasses and forbs. Project will be designed to meet the specifications of a wildlife-friendly pond to improve habitat for aquatic species, including California red-legged frog and California tiger salamander.
Stream Name	Unnamed tributary to Alameda Creek.
NRCS Conservation Practices to be Installed	<ul style="list-style-type: none"> ▪ Pond (378R) ▪ Obstruction Removal (500) ▪ Critical Area Planting (342) ▪ Grassed Waterway (412) ▪ Structure for water control (587) ▪ Grade Stabilization Structure (410)
Project Dimensions	<ul style="list-style-type: none"> ▪ Project Footprint: 0.1 acres (4356 ft²) ▪ Pond: No increase in original storage capacity ▪ Structure for Water Control: 40 LF of 24" CMP, 15 CY of rock riprap, 5 CY of fill ▪ Obstruction Removal: 30 CY of concrete/rubble ▪ Grade Stabilization Structure: 5 CY of rock riprap ▪ Grassed Waterway: 5 CY of fill
Approximate Volume of Discharge below OHWM and Top of Bank	OHWM: 35 CY TOB: 35 CY
Approximate Surface Area below OHWM and Top of Bank	OHWM: 0.07 acres (3264 ft ²) TOB: 0.07 acres (3264 ft ²)
Vegetation Impacted	Disturbance of annual grasses.
Surrounding Environment/Adjacent Land Use	Grazed Range. A horse facility is also located on the ranch. Property is adjacent to Highway 680.
Known or Potential Presence of Listed Species	Potential presence of California red-legged frog and California tiger salamander. CNDDDB: 1994 – California tiger salamander 0.66 miles from pond & 2000 California red-legged frog 1.6 miles from pond
Presence of Barriers to Aquatic Species Migration	Major downstream barriers on Alameda Creek prevent steelhead access to this portion of the watershed.
Estimated # of Creek Crossings & Type of Vehicle	5 creek crossings. Equipment will need to cross drainage to get to spillway repair. Backhoe, bobcat and hand labor will be used to grade drainage gully and remove concrete and rubble.
Miscellaneous	Pond holds water year-round.

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PROJECT 3

<u>Notification Categories</u>	<u>Project Information</u>
▪ Project/Location	Tracy, CA
▪ Project Need	Sedimentation threatens integrity of the pond and wildlife habitat.
▪ Project Description	Desedimentation of a livestock pond. Pond is becoming filled in with sediment. Project work would consist of removing sediment. Approximately 780 cubic yards of sediment will be removed. Sediment will be placed in corrals located near the entrance of the property. Plantings of sedges and willows will be installed near the deep section of the pond. Fencing will be installed around the plantings so that vegetation can establish. All disturbed areas will be re-seeded with the appropriate native plant mixture of grasses and forbs. Project will be designed to meet the specifications of a wildlife-friendly pond to improve habitat for aquatic species, including California red-legged frog and California tiger salamander.
Stream Name	Unnamed tributary to Mountain House Creek
NRCS Conservation Practices to be Installed	<ul style="list-style-type: none"> ▪ Pond (378R) ▪ Obstruction Removal (500) ▪ Critical Area Planting (342)
Project Dimensions	<ul style="list-style-type: none"> ▪ Project Footprint: 0.3 acres (13,068 ft²) ▪ Pond: No increase in original storage capacity ▪ Obstruction Removal: 780 CY of sediment removed
Approximate Volume of Discharge below OHWM and Top of Bank	OHWM: 0 TOB: 0
Approximate Surface Area below OHWM and Top of Bank	OHWM: 0.11 acres (4800 ft ²) TOB: 0.11 acres (4800 ft ²)
Vegetation Impacted	Minimal removal of sedges along the banks. Disturbance of annual grasses.
Surrounding Environment/Adjacent Land Use	Grazed Range. A horse facility is also located on the ranch. Relic windmills exist on-site (non-functioning).
Known or Potential Presence of Listed Species	Known presence of California red-legged frog and California tiger salamander.
Presence of Barriers to Aquatic Species Migration	Major downstream barriers on Alameda Creek prevent steelhead access to this portion of the watershed.
Estimated # of Creek Crossings & Type of Vehicle	Some work will take place in the pond when sediment removal can not be achieved from dam or banks of pond. Small backhoe and bobcat will be used to remove sediment.
Miscellaneous	Barn owls noted adjacent to road between pond and corrals. Sediment removal trips to corrals and traffic on road will be minimized. Pond dries up some years.

Exhibit 3: Site-Specific Project Descriptions

PROJECT 4

<u>Notification Categories</u>	<u>Project Information</u>
▪ Project/Location	Livermore, CA
▪ Project Need	Sedimentation and spillway erosion threatens integrity of livestock pond and wildlife habitat.
▪ Project Description	Desedimentation of a livestock pond and repair of a livestock pond spillway. Pond is becoming filled in with sediment and the spillway is eroding. Project work would consist of removing sediment. Approximately 226 cubic yards of sediment will be removed. Sediment will be placed in an appropriate location as identified in the field by a qualified biologist or hauled off-site. Spillway repair will include regrading and shaping of existing spillway to outlet onto existing bedrock. Some rock riprap will be also be placed at the outlet. All disturbed areas will be re-seeded with the appropriate native plant mixture of grasses and forbs. Project will be designed to meet the specifications of a wildlife-friendly pond to improve habitat for aquatic species, including California red-legged frog and California tiger salamander.
Stream Name	Unnamed tributary to Arroyo Valle
NRCS Conservation Practices to be Installed	<ul style="list-style-type: none"> ▪ Pond (378R) ▪ Obstruction Removal (500) ▪ Critical Area Planting (342) ▪ Grade Stabilization Structure (410)
Project Dimensions	<ul style="list-style-type: none"> ▪ Project Footprint: 0.2 acres (8712 ft²) ▪ Pond: No increase in original storage capacity ▪ Grade Stabilization: 5 CY of rock riprap ▪ Obstruction Removal: 226 CY sediment removed
Approximate Volume of Discharge below OHWM and Top of Bank	OHWM: 5 CY rock riprap TOB: 5 CY rock riprap
Approximate Surface Area below OHWM and Top of Bank	OHWM: 0.07 (3050 ft ²) TOB: 0.07 (3050 ft ²)
Vegetation Impacted	2 small California sage bushes in spillway will be removed. Disturbance of annual grasses.
Surrounding Environment/Adjacent Land Use	Grazed Range. Property is adjacent to Del Valle Reservoir.
Known or Potential Presence of Listed Species	Potential presence of California red-legged frog and California tiger salamander. CNDDDB: 1993 – California red-legged frog and California tiger salamander 1.04 miles from pond on East Bay park property.
Presence of Barriers to Aquatic Species Migration	Major downstream barriers on Alameda Creek prevent steelhead access to this portion of the watershed.
Estimated # of Creek Crossings & Type of Vehicle	Some work will take place in the pond when sediment removal can not be achieved from dam. Small backhoe and bobcat will be used to remove sediment and repair spillway. Hand labor will also be used for spillway.
Miscellaneous	Pond holds water year-round.

Exhibit 3: Site-Specific Project Descriptions

PROJECT 5

<u>Notification Categories</u>	<u>Project Information</u>
▪ Project/Location	Livermore, CA
▪ Project Need	Sedimentation and spillway erosion threatens integrity of livestock pond and wildlife habitat.
▪ Project Description	Desedimentation of a livestock pond and repair of a livestock pond spillway. Pond is becoming filled in with sediment and the spillway is eroding. Project work would consist of removing sediment. Approximately 1,600 cubic yards of sediment will be removed. Sediment will be placed in an appropriate location as identified in the field by a qualified biologist or hauled off-site. The spillway will be fitted with a drop pipe and riser and an auxiliary spillway placed above the drop pipe. The pipeline will be a 36” pipe riser connected to a 10 foot barrel of 24” galvanized CMP and a 200 foot barrel of 18” galvanized CMP. All disturbed areas will be re-seeded with the appropriate native plant mixture of grasses and forbs. Project will be designed to meet the specifications of a wildlife-friendly pond to improve habitat for aquatic species, including California red-legged frog and California tiger salamander.
Stream Name	Unnamed tributary to Arroyo Seco
NRCS Conservation Practices to be Installed	<ul style="list-style-type: none"> ▪ Pond (378R) ▪ Obstruction Removal (500) ▪ Critical Area Planting (342) ▪ Structure for Water Control (587) ▪ Grade Stabilization Structure (410)
Project Dimensions	<ul style="list-style-type: none"> ▪ Project Footprint: 0.4 acres (16,790 ft²) ▪ Pond: No increase in original storage capacity ▪ Structure for water control: 200 LF of 18” CMP, 20 CY of fill ▪ Obstruction Removal: 1600 CY of sediment removed ▪ Grade Stabilization Structure: 50 CY rock riprap
Approximate Volume of Discharge below OHWM and Top of Bank	OHWM: 83 CY TOB: 83 CY
Approximate Surface Area below OHWM and Top of Bank	OHWM: .25 acres (10,890 ft ²) TOB: .25 acres (10,890 ft ²)
Vegetation Impacted	Annual grasses. Submergent vegetation – duckweed and pondweed.
Surrounding Environment/Adjacent Land Use	Grazed Range. Property is located in the Altamont Pass.
Known or Potential Presence of Listed Species	Known presence of California red-legged frog and California tiger salamander.
Presence of Barriers to Aquatic Species Migration	Major downstream barriers on Alameda Creek prevent steelhead access to this portion of the watershed.
Estimated # of Creek Crossings & Type of Vehicle	Some work will take place in the pond when sediment removal can not be achieved from dam or banks of pond. Small backhoe and bobcat will be used to remove sediment.
Miscellaneous	Pond dries up some years.