

## Instructions for 10/04/06 Draft IMPLEMENTATION checklist

### RT – REVEGETATION TREATMENTS

*To be used for riparian and upslope planting projects.*

**APPROVED** means as stated in the contract, specified in the design, or verbally agreed upon by contract manager.

**Y** = Yes - as approved, no deviations. **P** = Partially - minor deviations/deficiencies, include comment. **N** = No - not as approved, include comment. **D** = Don't know - answer unknown and cannot be found; preferable to blank. **A** = Not Applicable - the question or sub-question does not pertain to feature or the component in question was not part of the approved contract.

*See DFG Restoration Manual Part XI for riparian habitat restoration information, including plant species identification. Use Plant\_Codes.pdf for species codes. See below for 3-letter code key; see glossary for definitions.*

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EACH FEATURE AND ITS “**TREATMENT AREA**” MUST BE IDENTIFIED USING THE PROTOCOL FOR DOCUMENTING THE LOCATION OF HABITAT RESTORATION FEATURES. IF PRE-TREATMENT MONITORING HAS BEEN COMPLETED, DELINEATE THE PERIMETER OF EACH FEATURE THE SAME WAY IT IS DELINEATED ON THE PRE-PROJECT CHECKLIST WHENEVER POSSIBLE, EXPLAIN NECESSARY CHANGES. REVEGETATION FEATURES SHOULD BE DELINEATED BASED ON THEIR LOCATION, I.E. LEFT BANK, RIGHT BANK, FLOODPLAIN, OR UPSLOPE. EACH FEATURE SHOULD ENCOMPASS ONLY ONE OF THESE LOCATIONS.

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#### *All questions refer to the as-built FEATURE.*

1. **Was the length of bank revegetated the same as approved?** If the length of bank revegetated was not the same as approved, specify deviations in comments section. Enter A if the project was located upslope.
  - a. *Length of bank treated: (ft)* Measure and record the length of bank revegetated. Enter A if project was located upslope.
2. **Was the area revegetated the same as approved?** If the area revegetated was not the same as approved, specify deviations in the comments section.
  - a. *Area treated: (ft<sup>2</sup>)* Required metric for ALL revegetation features. Calculate the actual area revegetated based on total length and average width of the feature.
3. **Was the vegetation planted in the approved location?** If vegetation was not planted in the approved location, specify the alternative location in the comments section. Enter P if some of the planting occurred in the approved location and some in a different location.
  - a. *Location:* A single feature should not include more than one of these locations, enter only one.

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#### *Questions pertain to VEGETATION TYPE & COVER*

4. **Were the approved species planted?** Refer to contract for the agreed upon species to be planted.
  - a. *Species planted: (enter species code)* List all species planted, use comments if necessary. Always use the species code when referring to plant species. Plant information is found in *Restoration Manual* Part XI, codes are found on the CREMP “Plant\_codes” list. If species does not appear on the list, look up the species code at the USDA website (<http://plants.usda.gov/index.html>).
5. **Were the approved number of plants planted?** Refer to the contract for the agreed upon number of plants.
  - a. *Number of plants planted:* Count the number of plants actually planted (not the number indicated in contract) for each project feature.
  - b. *Minimum adequate survival of planted vegetation: (%)* Enter the minimum adequate percent survival of planted vegetation. If not specified in contract, enter 80%.
6. **Was plant spacing same as approved?** Refer to contract or to *Restoration Manual* Part XI pages 26-27 (Table XI-1) for approved spacing.
  - a. *Average spacing, on center: (ft)* Measure and record the average spacing between plants.
7. **Was vegetation planted during the designated planting season?** If not planted during the wet season, comment.
8. **Will vegetation be irrigated?** If irrigation methods were not as approved, specify deviations in the comments section. Enter A if project was approved with no irrigation.
  - a. *Irrigation method:* Enter methods used. If OTH, specify in comments.
  - b. *Is there an agreement to insure irrigation completion and maintenance?* If an irrigation agreement is in place, record the type of agreement (written or verbal) in the comments. Enter P if an agreement is in place, but does not address both completion and maintenance. Enter A if no irrigation provisions were proposed.

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8. *c. Number of years the vegetation will be irrigated: (yrs)* Record the number of years the plantings will be irrigated. Enter A if no provisions were proposed or there is no agreement in place.
9. **If applicable, were weed control measures applied as approved?** If yes, note method in comments. Enter A if weed control measures were not specified in the contract.
10. **If applicable, were herbivore control measures applied as approved?** If yes, note method in comments. Enter A if herbivore control measures were not specified in the contract. If the method is exclusion fencing, enter yes and use LU – Land Use Treatments & Exclusion Fencing checklist to evaluate that feature.
11. **If applicable, were provisions for plant shading applied as approved?** If yes, note method in comments. Enter A if plant shading measures were not specified in the contract.

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### IMPLEMENTATION questions are feature specific.

12. **Does feature meet design, contract, & permit specifications?** Standard CDFG approved design referenced in contract or another design described in the contract. If not answered Yes, a comment and appropriate documentation of deviation from the approved design are required - whether the change is beneficial or detrimental.
  - a. *If not, were modifications beneficial to performance?* A if implemented as approved.
  - b. *Is non-compliance significant enough to jeopardize performance?* A if implemented as approved.
  - c. *Are Corrections needed?* Y or P if the contractor will be asked to make the corrections. A if implemented as approved.
13. **Would a different treatment or design have been preferable?** Yes to this question will be given serious consideration and requires a comment.
14. **Feature Implementation Rating:** Rate the implementation of the feature, not the structural condition. Use the following definitions and rate according to how well the contract was executed and how closely the as-built matches the design. (To be better defined)
  - **EXCL– (Excellent)** Installation of the project feature meets all requirements.
  - **GOOD** –There are some deficiencies in the project feature, but these will not affect its overall effectiveness. Deficiencies are not enough to lead to failure.
  - **FAIR** – There are some deficiencies in the project feature, and these may cause problems in the future. Some characteristics of project feature, although not enough to cause corrective action at this time, require further scrutiny. The feature will probably hold up.
  - **POOR** – Implementation was not done correctly. There are deficiencies in the project feature, and these are enough to cause problems in the future. Remedial action is required.
  - **FAIL – (Failed)** Implementation was not done correctly. Deficiencies in the project feature have already caused enough problems that its objectives will not be met. Remedial action is required.

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### Code definitions

LBK	Left bank	IRS	Irrigation system	RBK	Right bank
FLD	Floodplain	NON	None	UPL	Upslope
HAN	Hand watering	OTH	Other		