Ecosystem Planning Models
Flowchart to determine level of model review required

```
                                    ┌──────────────────────┐
┌──────────────┐                    │ Approved             │
│ ATR Team     │   Yes    ◇ Model   │ models include       │
│ reviews      │ ◄─────── certified/│ IWR Planning         │
│ model        │          approved  │ Suite and            │
│ application  │          for use?  │ USFWS                │
└──────────────┘             │      │ Published HSI        │
                             │ No   │ Models               │
                             ▼      │ (Appendix A)         │
┌──────────────┐    Yes   ◇ IEPR    └──────────────────────┘   No
│ Detailed     │ ◄─────── required? ──────────────────────────────┐
│ model        │             │                                    │
│ review is    │             │                                    │
│ required.    │                                                  │
└──────────────┘                                                  │
       │                                                          │
       ▼                                                          │
   ◇ Single use    Single   ┌──────────────────┐                 │
   of multiple ───────────► │ Goal to approve  │                 │
   use model?     Use       │ application of   │                 │
       │                    │ model on         │                 │
       │ Multiple           │ specific project │                 │
       │ Use                └──────────────────┘                 │
       ▼                            │                             │
┌──────────────────┐                ▼                             │
│ Goal to recommend│        ┌──────────────────┐                 │
│ model for cert./ │ ─────► │ Model Review     │                 │
│ approval for use │        │ $60-120k         │                 │
│ on future        │        │ 7-10 months      │                 │
│ projects         │        └──────────────────┘                 │
└──────────────────┘                                             │
       ▲                                                         ▼
       │         ┌──────────────┐  Multiple    ◇ Single use
       │         │ Detailed     │  Use         or multiple
       └──────── │ model        │ ◄─────────── use model?
                 │ review is    │                  │
                 │ required.    │                  │ Single
                 └──────────────┘                  │ Use
                                                   ▼
                                    ┌──────────────────────────┐
                                    │ ATR Team staffed and     │
                                    │ charged to conduct model │
                                    │ review, supplement ATR   │
                                    │ team with outside        │
                                    │ experts, as appropriate  │
                                    └──────────────────────────┘
```